Valedictorian
Acceptance Test Plan
Version 1.0

Project team
J.M.A Boender | 0978526
R. Coonen | 0902230
R. van Dijk | 0864724
H.R. Galioulline | 0927184
B.A.M. van Geffen | 0892070
A.A.W.M de Kroon | 0905382
R. Morel | 0905326
W.M.W.R. Verlaek | 0908937
C.C. Weibel | 0883114

Project managers
J. Ubbink
R. Wouters

Project supervisor
N. Zannone

Customer
M.W.J. Prins
W.W.C.C. Brekelmans
Abstract

This document describes the acceptance test plan for the SensUs Digital Platform. The tests described by this document reflect the requirements specified in the User Requirements Document [1]. This document also complies with the ESA software standard.
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1 INTRODUCTION

1.1 PURPOSE

The purpose of this Acceptance Test plan is to specify how the SensUs Digital Platform should be tested so that the features enforced by the URD [1] can be verified. If even one test fails, then the whole plan fails. Completion of the tests illustrated in this document will allow the client to get a feeling of the functionality. This is an important step because if the client is satisfied, then the product (for all intents and purposes) will be finished.

1.2 OVERVIEW

This document consists of four main sections after this introductory chapter. Firstly, Chapter 2 will introduce all the features that need to be tested, as well as give a general idea on the testing process. Then, Chapter 3 will list all the tests that make up this test plan. These are the tests that will need to be executed in order to verify the product. Chapter 4 will use the tests described in Chapter 3 to define the testing procedure that should be used to efficiently and correctly execute all tests. Finally, Chapter 5 will contain reports obtained from following the procedure in Chapter 4.

1.3 LIST OF DEFINITIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATP</td>
<td>Acceptance Test Plan</td>
</tr>
<tr>
<td>URD</td>
<td>User Requirements Document</td>
</tr>
<tr>
<td>SRD</td>
<td>System Requirements Document</td>
</tr>
<tr>
<td>STF</td>
<td>Software Transfer Document</td>
</tr>
<tr>
<td>ATD</td>
<td>Acceptance Test Dashboard</td>
</tr>
<tr>
<td>ATM</td>
<td>Acceptance Test Main Website</td>
</tr>
</tbody>
</table>

For any definitions specific to this product, the list of definitions in the URD [1] can be referenced.

1.4 LIST OF REFERENCES

2 TEST PLAN

2.1 TEST ITEMS

The items to be tested are all features that contribute the functionality of the SensUs Digital Platform. This includes the main SensUs Digital website that regular users will see, as well as the dashboard accessible only to the different levels of SensUs administration. Since the SensUs Digital mobile application was not implemented, we have not tests for that component of the SensUs Digital Platform. More information on both the main SensUs Digital website, the dashboard and the SensUs Digital mobile application can be found in the URD [1] and the SRD [2].

2.2 FEATURES TO BE TESTED

The features of the SensUs Digital Platform to be tested will be all URD [1] requirements with priority “must at” and any other requirements with priorities “should have” and “could have” that we managed to implement. Requirements in the URD [1] with priority “wont have” will not be mentioned any further. This means that all the implemented requirements must pass their corresponding acceptance test for the whole test plan to be successful.

2.3 TEST DELIVERABLES

Before performing any of the tests, the following documents and products need to be finished:

- The ATP document (Section 1-4)
- URD [1]
- SensUs Digital website
- Database seeds

After the test plan is successfully executed, the following documents need to be delivered:

- The ATP document (all sections)
- Problem reports (if any)

2.4 TESTING TASKS

Before starting on execution of the test plan the following tasks need to be done:

- All tests for each of the implemented features in the URD specified in the ATP
• All tests mentioned above need to be linked to the URD[1] requirements they are testing

• The database will need to be seeded, so there is content on the SensUs Digital website to test

• For all test cases that involve the dashboard, the tester will have to have access to accounts with roles: team member, SensUs personnel and a web administrator.

2.5 ENVIRONMENT NEEDS

To perform the acceptance tests in this document, the following resources are required:

• A desktop or laptop computer running Chrome version 57 or later.

• A server running the SensUs Digital Platform back end.

• Connection to the internet

2.6 TEST CASE PASS/FAIL CRITERIA

Every test describes its own pass/fail criteria - so depending on that criteria the test will either fail or pass. The complete acceptance test passes if and only if all individual acceptance tests, as specified in chapter 3, also pass.
3 TEST CASE SPECIFICATIONS

The following sections describe all the acceptance tests that need to be performed on the SensUs Digital Platform. The tests are divided into two sections, one for the main website (ATM) and one for the dashboard (ATD).

3.1 MAIN WEBSITE TESTS

The main website includes every part of the SensUs Digital Platform that is accessible by authenticated users.

3.1.1 ATM-1 - LOGGING IN

Preconditions: The user has a valid Google account.

Functional requirements: URF-1

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Press the &quot;Login&quot; in the main menu.</td>
<td>2. The website redirects to the Google login page</td>
</tr>
<tr>
<td>3. Follow the Google login procedure</td>
<td>4. The SensUs Digital Platform homepage is displayed with the user's name in the top right of the window.</td>
</tr>
<tr>
<td></td>
<td>5. A notification is displayed saying the login was successful.</td>
</tr>
</tbody>
</table>

3.1.2 ATM-2 - LOGGING OUT

Preconditions: The user is logged in.

 Functional requirements: URF-2
1. Press the user’s name on the right top of the window.

2. A dropdown menu is presented.

3. Press the “Logout” button in the dropdown menu.

4. The page is redirected to the homepage

5. A notification is displayed saying the user was logged out.

### 3.1.3 ATM-3 - BANNED USER CAN NOT LOGIN

**Preconditions:** The user is banned.

**Functional requirements:** URF-3, URF-4, URF-5, URF-6

1. Click on the menu item labeled "login" and follow the login procedure.

2. The user is moved to a page stating that he is not authorized to log in.

### 3.1.4 ATM-4 - VIEWING THE MAIN LIVE STREAM

**Preconditions:** There is currently a main stream being broadcast.

**Functional requirements:** URF-13
### 3.1.5 ATM-5 - VIEWING THE LIVE STREAM OF A TEAM

**Preconditions:** There is a team that has a live video stream set up.

**Functional requirements:** URF-14

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Select the teams button in the menu.</td>
<td>2. An overview of all teams is displayed.</td>
</tr>
<tr>
<td>3. Select a team that has a live video stream set up.</td>
<td>4. The team page is displayed with the live video stream playing.</td>
</tr>
</tbody>
</table>

### 3.1.6 ATM-6 - VIEWING A TEAM’S BIOSENSOR MEASUREMENT RESULTS

**Preconditions:**

**Functional requirements:** URF-15, URF-16, URF-17, URF-18, URF-19, URF-20
1. Click on the menu item labeled "Teams".

3. Click on the team whose biosensor measurements must be shown.

4. That team’s page is displayed, including all available biosensor measurements (in the form of graphs).

### 3.1.7 ATM-7 - VIEWING BIOSENSOR MEASUREMENT RESULTS OF ALL TEAMS

**Preconditions:**

**Functional requirements:** URF-21, URF-22, URF-23, URF-24,

1. Click on the menu item labeled "Live results".

2. All available biosensor measurements are shown (in the form of graphs).

### 3.1.8 ATM-8 - VIEWING THE TEAM INFORMATION

**Preconditions:**

**Functional requirements:** URF-45, URF-47
July 6, 2017

**Input specifications**

1. Select the teams button in the menu.

3. Select the desired team.

6. On the bottom of the page open the description tab

**Output specifications**

2. An overview of all teams is displayed.

4. The team page is displayed with the team name, country and picture

5. The team's stream is displayed.

7. The team description is displayed.

### 3.1.9 ATM-9 - VIEWING THE PARTNERS.

**Preconditions:** The user is on the home page  
**Functional requirements:** URF-50, URF-51

**Input specifications**

1. Scroll to the partners section.

3. Click one of the partners.

5. Click on the partner link.

**Output specifications**

2. A list of partners is shown

4. A description of the partner is shown.

6. The browser is redirected to the partner website.

### 3.1.10 ATM-10 - VIEWING INFORMATION ABOUT SensUs.

**Preconditions:** The user is on the home page  
**Functional requirements:** URF-54

**Input specifications**

1. Scroll to the partners section.

3. Click one of the partners.

5. Click on the partner link.

**Output specifications**

2. A list of partners is shown

4. A description of the partner is shown.

6. The browser is redirected to the partner website.
3.1.11 ATM-11 - VIEWING THE EVENT PROGRAM.

**Preconditions:** The user is on the home page

**Functional requirements:** URF-55

**Input specifications**

1. Scroll to the top of the page

**Output specifications**

2. A description of SensUs is displayed.

3.1.12 ATM-12 - VIEWING THE AWARDS.

**Preconditions:** The user is on the vote page

**Functional requirements:** URF-58

**Input specifications**

1. Scroll to the awards section.

**Output specifications**

2. A description for every award is shown.

3.1.13 ATM-13 - VOTING FOR TWO TEAMS

**Preconditions:** The user is authenticated as an authenticated user or has a higher level of permissions and has not voted yet.

**Functional requirements:** URF-67, URF-68, URF-36
Input specifications

1. Navigate to the voting page.

4. Refresh the page a few times to verify the order of the teams is random.

6. Select two teams and press vote.

Output specifications

2. A page that includes a voting section is displayed.

3. The voting section shows the 10 teams.

5. The teams in the voting section are displayed in a random order.

6. The vote button changes to an “Update Vote” button.

7. The total vote counter under the voting section reflects the newly cast vote.

8. A notification is displayed saying the vote was successful.

3.1.14 ATM-14 - UPDATING VOTES

Preconditions: The user is authenticated as an authenticated user or has a higher level of permissions and has already voted.

Functional requirements: URF-69, URF-36
Input specifications

1. Navigate to the voting page.

2. A page that includes a voting section is displayed.

3. The voting section shows the 10 teams with the two teams previously voted for selected.

4. Select two different teams and press "Update Vote".

5. A notification is displayed saying the vote was successful.

Output specifications

3.1.15 ATM-15 - NO VOTING POSSIBLE WHEN UNAUTHENTICATED

Preconditions: The user is not logged in. The user is on the home page.

Functional requirements: URF-3, URF-4, URF-5, URF-6

Input specifications

1. Click on the menu item labeled "Vote Now".

2. The user is moved to the vote page.

3. Click on two different teams in the element labeled "Cast your vote".

4. Two teams are selected.

5. Click on the button labeled "cast vote".

6. A log in window opens, indicating that the user is required to log in before casting a vote.

Output specifications
3.1.16 ATM-16 - VIEWING THE APPROVED QUESTIONS AND ANSWERS FOR SensUs

Preconditions: Both text and video questions have been asked to SensUs, approved and been answered with text and video answers.
Functional requirements: URF-123, URF-124, URF-125, URF-126

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Navigate to the Q&amp;A page</td>
<td>2. A list of questions is displayed.</td>
</tr>
<tr>
<td></td>
<td>3. The displayed list of questions has both video and text questions.</td>
</tr>
<tr>
<td></td>
<td>4. The displayed answers include both video and text answers.</td>
</tr>
</tbody>
</table>

3.1.17 ATM-17 - VIEWING THE APPROVED QUESTIONS AND ANSWERS FOR A TEAM

Preconditions: Both text and video questions have been asked to a team, approved and been answered with text and video answers.
Functional requirements: URF-123, URF-124, URF-125, URF-126
### Input specifications

1. Navigate to the teams page

3. Select a team for which the precondition holds.

5. Scroll down and open the Q&A tab.

### Output specifications

2. An overview of all teams is displayed.

4. The team page is displayed.

6. A list of questions is displayed.

7. The displayed list of questions has both video and text questions.

8. The displayed answers include both video and text answers.

### 3.1.18 ATM-18 - SUBMITTING A TEXT QUESTION TO SensUs VIA THE SIDE BAR

**Preconditions:** The user is logged in and is on the home page.

**Functional requirements:** URF-136
Input specifications

1. Click on the sidebar on the left of the window.

3. Click on the question tab.
4. Put a title in the title field.
5. Enable the text option and fill in a text
6. Select SensUs from the teams dropdown.
7. Click submit

Output specifications

2. A screen will pop up in the middle of the window.

8. The pop up screen closes and a success notification is displayed.

3.1.19 ATM-19 - SUBMITTING A VIDEO QUESTION TO SensUs VIA THE SIDEBAR

Preconditions: The user is logged in and is on the home page.
Functional requirements: URF-91
### Input specifications

1. Click on the sidebar on the left of the window.

3. Click on the question tab.

4. Put a title in the title field.

5. Enable the Url option and put in a valid youtube url

6. Enable the text option and fill in a text

7. Select SensUs from the teams dropdown.

8. Click submit

### Output specifications

2. A screen will pop up in the middle of the window.

9. The pop up screen closes and a success notification is displayed.

---

3.1.20   **ATM-20 - SUBMITTING A TEXT QUESTION TO A TEAM VIA THE SIDEBAR**

**Preconditions:** The user is logged in and is on the home page.

**Functional requirements:** URF-135
### Input specifications

1. Click on the sidebar on the left of the window.

3. Click on the question tab.

4. Put a title in the title field.

5. Enable the text option and fill in a text

6. Select a team from the teams dropdown.

7. Click submit

### Output specifications

2. A screen will pop up in the middle of the window.

8. The pop up screen closes and a success notification is displayed.

#### 3.1.21 ATM-21 - SUBMITTING A VIDEO QUESTION TO A TEAM VIA THE SIDEBAR

**Preconditions:** The user is logged in and is on the home page.

**Functional requirements:** URF-90A, URF-90B
1. Click on the sidebar on the left of the window.

3. Click on the question tab.

4. Put a title in the title field.

5. Enable the Url option and put in a valid youtube url

6. Enable the text option and fill in a text

7. Select a team from the teams dropdown.

8. Click submit

9. The pop up screen closes and a success notification is displayed.

3.1.22 ATM-22 - SUBMITTING A TEXT QUESTION TO SensUs VIA THE Q&A PAGE

Preconditions: The user is logged in and is on the Q&A page.

Functional requirements: URF-136

1. Fill out the required title field.

2. Fill out the optional description field if desired.

3. Click on the button labeled "Submit".

4. The SensUs Digital website rerenders the page with a notification confirming the submission.
# ATM-23 - Submitting a Video Question to SensUs via the Q&A Page

**Preconditions:** The user is logged in and is on the Q&A page.

**Functional requirements:** URF-91

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Fill in the title field on the left.</td>
<td>6. A success notification is displayed.</td>
</tr>
<tr>
<td>2. Optionally fill in the description under the text field.</td>
<td></td>
</tr>
<tr>
<td>3. Fill in a valid YouTube url in the url field.</td>
<td></td>
</tr>
<tr>
<td>4. Select SensUs from the teams dropdown box.</td>
<td></td>
</tr>
<tr>
<td>5. Press submit.</td>
<td></td>
</tr>
</tbody>
</table>

# ATM-24 - Submitting a Text Question to a Team via the Q&A Page

**Preconditions:** The user is logged in and is on the Q&A page.

**Functional requirements:** URF-135

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Fill in the title field on the left.</td>
<td>5. A success notification is displayed.</td>
</tr>
<tr>
<td>2. Optionally fill in the description under the text field.</td>
<td></td>
</tr>
<tr>
<td>3. Select any team from the teams dropdown box.</td>
<td></td>
</tr>
<tr>
<td>4. Press submit.</td>
<td></td>
</tr>
</tbody>
</table>
3.1.25  ATM-25 - SUBMITTING A VIDEO QUESTION TO A TEAM VIA THE Q&A PAGE

Preconditions: The user is logged in and is on the Q&A page.
Functional requirements: URF-90A, URF-90B

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Fill in the title field on the left.</td>
<td></td>
</tr>
<tr>
<td>2. Optionally fill in the description under the text field.</td>
<td></td>
</tr>
<tr>
<td>3. Fill in a valid YouTube url in the url field.</td>
<td></td>
</tr>
<tr>
<td>4. Select any team from the teams drop-down box.</td>
<td></td>
</tr>
<tr>
<td>5. Press submit.</td>
<td></td>
</tr>
<tr>
<td>6. A success notification is displayed.</td>
<td></td>
</tr>
</tbody>
</table>

3.1.26  ATM-26 - NO SUBMITTING QUESTIONS POSSIBLE WHEN UNAUTHENTICATED

Preconditions: The user is not logged in. The user is on the home page.
Functional requirements: URF-3, URF-4, URF-5, URF-6
### Input specifications

1. Click on the menu item labeled "explore".

3. Click on the button labeled "Contribute".

5. Click on the button labeled "QUESTION".

7. Fill in the form and click on the button labeled "Submit".

### Output specifications

2. The user is navigated to the explore page, where thumbnails of all videos are displayed.

4. A window opens.

6. The question tab opens.

8. A log in window opens, indicating that the user is required to log in before casting a vote.

### 3.1.27 ATM-27 - SUBMITTING A VIDEO

**Preconditions:** The user is logged in and is on the home page or explore page.

**Functional requirements:** URF-93
**Input specifications**

1. Press the button labeled “Contribute”.

3. Click on the element labeled “video”.

5. Input a valid URL, title and optionally a description.

6. Press the button labeled “submit”.

**Output specifications**

2. A screen will pop up in the middle of the window.

4. The element turns green to signify it is selected.

7. The pop up screen closes and a message (notification) pops up, signaling that the video has been uploaded successfully.

---

### 3.1.28 ATM-28 - NO SUBMITTING VIDEOS POSSIBLE WHEN UNAUTHENTICATED

**Preconditions:** The user is not logged in. The user is on the home page.

**Functional requirements:** URF-3, URF-4, URF-5, URF-6
**Input specifications**

1. Click on the menu item labeled "explore".

3. Click on the button labeled "Contribute".

5. Click on the button labeled "Video".

7. Fill in the form and click on the button labeled "Submit".

**Output specifications**

2. The user is navigated to the explore page, where thumbnails of all videos are displayed.

4. A window opens.

6. The video tab opens.

8. A log in window opens, indicating that the user is required to log in before casting a vote.

### 3.1.29 ATM-29 - Submitting a Picture

**Preconditions:** The user is logged in and is on the home page or explore page.

**Functional requirements:** URF-59
1. Press the button labeled “Contribute”.

2. A screen will pop up in the middle of the window.

3. Click on the element labeled “picture”.

4. The element turns green to signify it is selected.

5. Input a valid URL leading to the image and a title for the image.

6. Press the button labeled “submit”.

7. The pop up screen closes and a message (notification) pops up, signaling that the picture has been uploaded successfully.

3.1.30 ATM-30 - VIEWING ALL (APPROVED) REGULAR VIDEOS.

Preconditions: User is on the SensUs digital home page.

Functional requirements: URF-110

1. Click on the menu item labeled "explore".

2. The user is navigated to the explore page, where thumbnails of all videos are displayed.

3. User clicks on a video thumbnail.

4. A screen pops up, giving the option of playing the video

3.1.31 ATM-31 - FILTERING VIDEOS ON TAGS.

Preconditions: User is on the SensUs digital home page.

Functional requirements: URF-111, URF-112, URF-113, URF-114, URF-115, URF-116
### Input specifications

1. Click on the menu item labeled “explore”.

3. Click on the button labeled “filtered”.

5. Click on an item under the menu header labeled “tags”.

### Output specifications

2. The user is navigated to the explore page, where thumbnails of all videos are displayed.

4. A menu expands containing all possible filters.

6. The tag is selected, and all videos on the explore page are now filtered on the selected tag.

---

### 3.1.32 ATM-32 - VIEWING VIDEOS FOR A SPECIFIC TEAM.

**Preconditions:** User is on the SensUs digital home page.

**Functional requirements:** URF-117

### Input specifications

1. Click on the menu item labeled “teams”.

3. Click on the element (card) labeled with the team name for which all videos must be shown.

5. Click on the tab item labeled “media”.

### Output specifications

2. The teams page is shown. Displaying all separate teams.

4. The specific team page is shown.

6. All the specific team’s media is shown, including videos.
### 3.1.33 ATM-33 - VIEWING THE VIDEOS IN A RANDOM ORDER.

**Preconditions:** User is on the SensUs digital home page.  
**Functional requirements:** URF-118

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Click on the menu item labeled &quot;explore&quot;.</td>
<td>2. The user is navigated to the explore page, where thumbnails of all videos are displayed.</td>
</tr>
<tr>
<td>3. Click on the button labeled &quot;Sort&quot;.</td>
<td>4. A menu expands containing all possible sort methods.</td>
</tr>
<tr>
<td>5. Click on the menu item labeled &quot;Random&quot;.</td>
<td>6. The random sort type is selected, and all videos on the explore page are now ordered randomly.</td>
</tr>
</tbody>
</table>

### 3.1.34 ATM-34 - VIEWING THE VIDEOS IN A CHRONOLOGICAL ORDER.

**Preconditions:** User is on the SensUs Digital website home page.  
**Functional requirements:** URF-119
1. Click on the menu item labeled "explore".

3. Click on the button labeled "Sort".

5. Click on the menu item labeled “Newest first”.

2. The user is navigated to the explore page, where thumbnails of all videos are displayed.

4. A menu expands containing all possible sort methods.

6. The newest first sort type is selected, and all videos on the explore page are now ordered chronologically.

3.2 DASHBOARD TESTS

The dashboard entails the part of the website that is only accessible to SensUs personnel and website administrators, with the exception of the Q&A dashboard that is also accessible for team members. The dashboard can be reached by pressing the dashboard button in the menu of the main website.

3.2.1 ATD-1 - NO DASHBOARDS VISIBLE

Preconditions: The user is logged in. The user’s role is lower than team member. The user is on the home page.

Functional requirements: URF-3, URF-4, URF-5, URF-6

1. No menu item labeled "Dashboard" visible in the menu.
3.2.2 ATD-2 - ONLY DASHBOARD AVAILABLE FOR TEAM MEMBERS IS THEIR OWN Q&A DASHBOARD.

**Preconditions:** The user is logged in. the user’s role is team member. The user is on the home page.

**Functional requirements:** URF-3, URF-4, URF-5, URF-6

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Click on the menu item labeled “dashboard”.</td>
<td>2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.</td>
</tr>
<tr>
<td></td>
<td>3. The only visible dashboard is the Q&amp;A dashboard.</td>
</tr>
<tr>
<td>4. Click on menu item labeled “Q&amp;A”.</td>
<td>5. The only questions visible are those addressed to the team the current user is associated with.</td>
</tr>
</tbody>
</table>

3.2.3 ATD-3 - CHANGING THE ROLE OF A USER

**Preconditions:** The user is authenticated as a website administrator.

**Functional requirements:** URF-7A, URF-7B
**Input specifications**

1. Click on the menu item labeled “dashboard”.

3. Click on the menu item labeled “users”.

5. Click on the button labeled “edit” in the row of the table containing the name or e-mail adress of the user that needs to be edited.

7. Click on the dropdown menu labeled “role” and select the new desired role of the user.

9. Click the button labeled “save”.

**Output specifications**

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

4. The current user is moved to the page containing all users and their respective data.

6. All editable information of the user to edit changes to dropdown menus.

8. The active item of the dropdown menu changes, to signify the selected choice.

10. The change is saved.

### 3.2.4 ATD-4 - BANNING A USER

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions.

**Functional requirements:** URF-8
1. Click on the menu item labeled “dashboard”.

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

3. Click on the menu item labeled “users”.

4. The current user is moved to the page containing all users and their respective data.

5. Click the button labeled “ban” in the same row as the name or e-mail address as the user that will be banned.

6. The button labeled “ban” changes to “un-ban”, to signify that the user is banned.

3.2.5 ATD-5 - UN-BANNING A USER

Preconditions: The user is authenticated as SensUs personnel or has a higher level of permissions.

Functional requirements: URF-9
**Input specifications**

1. Click on the menu item labeled “dashboard”.

3. Click on the menu item labeled “users”.

5. Click the button labeled “unban” in the same row as the name or e-mail address as the user that will be banned.

**Output specifications**

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

4. The current user is moved to the page containing all users and their respective data.

6. The button labeled “unban” changes to “ban”, to signify that the user is not banned.

### 3.2.6 ATD-6 - SENSUS PERSONNEL CANNOT BAN WEB ADMINISTRATORS

**Preconditions:** The user is logged in. The user’s role is administrator. Another user with the role web administrator exists in the database

**Functional requirements:** URF-3, URF-4, URF-5, URF-6
Input specifications

1. Click on the menu item labeled “dashboard”.

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

3. Click on the menu item labeled “users”.

4. The current user is moved to the page containing all users and their respective data.

5. Click on the button labeled “ban” in the same row as a user with the role “web admin”

6. Nothing happens (as indicated by ban button being grayed out).

Output specifications

3.2.7 ATD-7 - UPLOADING BIOSENSOR DATA

Preconditions: The user is authenticated as SensUs personnel or has a higher level of permissions. A correctly formatted csv file is stored on the hard drive.

Functional requirements: URF-76A, URF-76B, URF-83B
**Input specifications**

1. Click on the menu item labeled “dashboard”.

3. Click on the menu item labeled “data”.

5. Select the csv file to upload.

7. Click on a cell in the table and type a new value.

9. Click the button labeled “upload to server”.

**Output specifications**

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

4. The user is moved to the biosensor data page.

6. The data is loaded into the table.

8. The cell is changed according to what is typed.

10. A message (notification) pops up on the top of the page, signifying successful uploading of data.

### 3.2.8 ATD-8 - DOWNLOADING BIOSENSOR DATA

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. Biosensor data has previously been put in.

**Functional requirements:** URF-77, URF-83C
### Input specifications

1. Click on the menu item labeled “dashboard”.

3. Click on the menu item labeled “data”.

5. Click on the button labeled "download csv".

### Output specifications

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

4. The user is moved to the biosensor data page.

6. The browser automatically starts downloading all the biosensor data in csv format.

---

#### 3.2.9 ATD-9 - DELETING BIOSENSOR DATA

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. Biosensor data has previously been put in.

**Functional requirements:** URF-78
Input specifications

1. Click on the menu item labeled “dashboard”.

3. Click on the menu item labeled “data”.

5. Click on a cell in the biosensor data table and press the delete button on your keyboard.

7. Click the button labeled “upload to server”.

Output specifications

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

4. The user is moved to the biosensor data page.

6. The cell is emptied.

8. A message (notification) pops up on the top of the page, signifying successful uploading of data.

3.2.10 ATD-10 - VIEWING ALL THE GRAPHS FOR THE BIOSENSOR DATA

Preconditions: The user is authenticated as SensUs personnel or has a higher level of permissions. Biosensor data has previously been put in.

Functional requirements: URF-79, URF-80, URF-81, URF-82, URF-83
Input specifications

1. Click on the menu item labeled “dashboard”.

3. Click on the menu item labeled “data”. 

5. Click on the tab/menu item labeled “see charts”.

7. Check if all the graphs display the data correctly.

Output specifications

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

4. The user is moved to the biosensor data page.

6. All generated charts are displayed.

8. All graphs fit the data that was uploaded

3.2.11 ATD-11 - SETTING THE VISIBILITY OF GRAPH AXIS.

Preconditions: The user is logged in as SensUs personnel or has a higher level of permissions.

Functional requirements: URF-27, URF-28, URF-29, URF-30A
**Input specifications**

1. Click on the menu item labeled “dashboard”.

3. Click on the menu item labeled “data”.

5. Click on the checkbox labeled with the y- or x-axis and the chart you want to enable/disable in the section labeled “Chart settings for main website”

7. Click the button labeled “upload to server”.

**Output specifications**

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

4. The user is moved to the biosensor data page.

6. The checkbox is selected.

8. A message (notification) pops up on the top of the page, signifying successful uploading of data.

### 3.2.12 ATD-12 - SETTING THE VISIBILITY OF THE SAMPLE VOLUME CHART

**Preconditions:** The user is authenticated as a web administrator and is currently on the biosensor data dashboard.

**Functional requirements:** URF-30B, URF-30C
3.2.13 ATD-13 - SETTING THE VISIBILITY OF THE AVERAGE TIME TO RESULT CHART

Preconditions: The user is authenticated as a web administrator and is currently on the biosensor data dashboard.
Functional requirements: URF-30B, URF-30C

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Click on the checkbox labeled with “Average Time to Result” in the section labeled “Chart settings for main website”</td>
<td>2. The checkbox is selected.</td>
</tr>
<tr>
<td>3. Click the button labeled “upload to server”.</td>
<td>4. A message (notification) pops up on the top of the page, signifying successful uploading of data.</td>
</tr>
</tbody>
</table>

3.2.14 ATD-14 - SETTING THE VISIBILITY OF THE NUMBER OF DATAPoints CHART

Preconditions: The user is authenticated as a web administrator and is currently on the biosensor data dashboard.
Functional requirements: URF-30B, URF-30C

**Input specifications**

1. Click on the checkbox labeled with “Number of Datapoints chart” in the section labeled “Chart settings for main website”

2. The checkbox is selected.

3. Click the button labeled “upload to server”.

4. A message (notification) pops up on the top of the page, signifying successful uploading of data.

3.2.15 ATD-15 - SETTING THE VISIBILITY OF THE PUBLIC CORRELATION SCATTER PLOT

Preconditions: The user is authenticated as a web administrator and is currently on the biosensor data dashboard.

Functional requirements: URF-30B, URF-30C

**Input specifications**

1. Click on the checkbox labeled with “Public correlation scatter plot” in the section labeled “Chart settings for main website”

2. The checkbox is selected.

3. Click the button labeled “upload to server”.

4. A message (notification) pops up on the top of the page, signifying successful uploading of data.
3.2.16 ATD-16 - SETTING THE VISIBILITY OF THE PRIVATE CORRELATION SCATTER PLOT

**Preconditions:** The user is authenticated as a web administrator and is currently on the biosensor data dashboard.

**Functional requirements:** URF-30B, URF-30C

<table>
<thead>
<tr>
<th><strong>Input specifications</strong></th>
<th><strong>Output specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Click on the checkbox labeled with “Private correlation scatter plot” in the section labeled “Chart settings for main website”</td>
<td>2. The checkbox is selected.</td>
</tr>
<tr>
<td>3. Click the button labeled “upload to server”</td>
<td>4. A message (notification) pops up on the top of the page, signifying successful uploading of data.</td>
</tr>
</tbody>
</table>

3.2.17 ATD-17 - CHANGING A TEAM’S BACKGROUND INFORMATION

**Preconditions:** The user is logged in as SensUs personnel or has a higher level of permissions.

**Functional requirements:** URF-64
Input specifications

1. Click on the menu item labeled “dashboard”.

3. Click the menu item labeled “Teams”.

5. Click on a menu/tab item labeled with the name of the team whose description needs to be changed.

7. Edit the team's description.

8. Click on the button labeled "save description”.

Output specifications

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

4. The user is moved to the team page.

6. The team's description is shown.

9. The description is saved.

3.2.18 ATD-18 - CHANGING A TEAM’S LIVE STREAM

Preconditions: The user is logged in as SensUs personnel or has a higher level of permissions.

Functional requirements: URF-44B
Input specifications

1. Click on the menu item labeled “dashboard”.

3. Click the menu item labeled “Teams”.

5. Click on a menu/tab item labeled with the name of the team whose live stream needs to be changed.

7. Edit the team's live stream by inputting a valid YouTube url.

8. Click on the button labeled “Update Live Stream”.

Output specifications

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

4. The user is moved to the team page.

6. The team's live stream url is shown.

9. The live stream is saved.

3.2.19 ATD-19 - CHANGING A MAIN LIVE STREAM

Preconditions: The user is logged in as SensUs personnel or has a higher level of permissions.
Functional requirements: URF-44B, URF-44C
Input specifications

1. Click on the menu item labeled “dashboard”.

3. Click the menu item labeled “Teams”.

5. Click on a menu/tab item labeled with SensUs.

7. Edit the main live stream by inputting a valid YouTube url.

8. Click on the button labeled “Update Live Stream”.

Output specifications

2. The user is moved to a page containing all dashboards. Furthermore, the menu is changed to show the same dashboards.

4. The user is moved to the teams page.

6. The main live stream url is shown.

9. The live stream is saved.

3.2.20  ATD-20 - SUBMITTING A PRE-APPROVED VIDEO

Preconditions: The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the control center page.

Functional requirements: URF-95
Input specifications

1. Click the upload tab on the right top.

3. Fill in a valid youtube url.
4. Fill in a title.
5. Optionally fill in a description.
6. Optionally select any number of tags.
7. Select the teams to associate the video with.
8. set the status to approved.
9. Press the submit button.

Output specifications

2. A video upload section is displayed below the upload.

10. A success notification is displayed.

3.2.21 ATD-21 - SEEING ALL THE SUBMITTED VIDEOS

Preconditions: The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the control center page.

Functional requirements: URF-96

Input specifications

1. Select videos from the type dropdown in the left top.

Output specifications

2. A list of videos is displayed on the left.

3.2.22 ATD-22 - FILTERING SUBMITTED VIDEOS

Preconditions: The user is authenticated as SensUs personnel or higher. The user is also on the control center page.

Functional requirements: URF-97, URF-98, URF-99
### ATD-23 - Editing the State of a Submitted Video

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the control center page.

**Functional requirements:** URF-100, URF-101, URF-102

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Select a video from the list.</td>
<td>2. The video information is displayed.</td>
</tr>
<tr>
<td>3. Select the desired state on the right.</td>
<td>4. A notification is displayed indicating success.</td>
</tr>
<tr>
<td>4. Press the submit button.</td>
<td></td>
</tr>
</tbody>
</table>

### ATD-24 - Editing a Video’s Tags

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the control center page.

**Functional requirements:** URF-103
1. Select a video from the list.

3. Add or remove tags on the right, under “tags”.

4. Press the submit button.

5. A notification is displayed indicating success.

### 3.2.25 ATD-25 - EDITING A VIDEO’S TITLE

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the control center page.

**Functional requirements:** URF-104

1. Select a video from the list.

3. Edit the title on the right.

4. Press the submit button.

5. A notification is displayed indicating success.

### 3.2.26 ATD-26 - SEEING ALL THE SUBMITTED PICTURES

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the control center page.

**Functional requirements:** URF-63
3.2.27  ATD-27 - EDITING THE STATE OF A SUBMITTED PICTURE

Preconditions: The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the control center page.

Functional requirements: URF-60, URF-61, URF-62

Input specifications

1. Select a picture from the list.
2. The picture information is displayed.
3. Select the desired state on the right.
4. Press the submit button.

Output specifications

5. A notification is displayed indicating success.

3.2.28  ATD-28 - EDITING A PICTURE’S TAGS

Preconditions: The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the control center page.

Functional requirements: URF-66C
### Input specifications

1. Select a picture from the list.

3. Add or remove tags on the right, under “tags”.

4. Press the submit button.

### Output specifications

2. The picture information is displayed.

5. A notification is displayed indicating success.

---

#### 3.2.29 ATD-29 - DELETING A SUBMITTED PICTURE

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the control center page.

**Functional requirements:** URF-66B

#### Input specifications

1. Select a picture from the list.

3. Press the delete button.

5. Confirm deleting the picture.

#### Output specifications

2. The picture information is displayed.

4. A confirmation box is displayed.

6. A notification is displayed and the picture is removed from the list.

---

#### 3.2.30 ATD-30 - EDITING A VIDEO’S DESCRIPTION

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the control center page.

**Functional requirements:** URF-105
3.2.31  ATD-31 - DELETING A SUBMITTED VIDEO

Preconditions: The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the control center page.

Functional requirements: URF-106

---

**Input specifications**

1. Select a video from the list.

2. The video information is displayed.

**Output specifications**

3. Edit the description on the right.

4. Press the submit button.

5. A notification is displayed indicating success.

3.2.32  ATD-32 - CLAIMING A QUESTION

Preconditions: The user is authenticated as a team member or has a higher level of permissions. The user is also on the Q&A dashboard page.

Functional requirements: URF-139, URF-145

---

**Input specifications**

1. Select a video from the list.

2. The video information is displayed.

**Output specifications**

3. Press the delete button.

4. A confirmation box is displayed.

5. Confirm deleting the video.

6. A notification is displayed and the video is removed from the list.
1. Select an approved question from the question list.

2. The question information is displayed.

3. Click the claimed state.

4. A confirmation box is displayed.

5. Confirm the state change.

6. The question is displayed as claimed.

### 3.2.33 ATD-33 - UNCLAIMING A QUESTION

**Preconditions:** The user is authenticated as a team member or has a higher level of permissions. The user is also on the Q&A dashboard page.

**Functional requirements:** URF-140, URF-146

Input specifications

1. Select a claimed question from the question list.

2. The question information is displayed.

3. Click the approved state.

4. A confirmation box is displayed.

5. Confirm the state change.

6. The question is displayed as approved/unclaimed.

### 3.2.34 ATD-34 - ANSWERING A QUESTION

**Preconditions:** The user is authenticated as a team member or has a higher level of permissions. The user is also on the Q&A dashboard page.

**Functional requirements:** URF-141, URF-142, URF-147, URF-148
### 3.2.35 ATD-35 - CHANGING A QUESTION’S STATE

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the Q&A dashboard page.

**Functional requirements:** URF-149, URF-150

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Click the desired question from the list of questions presented on the page</td>
<td>2. The question information is displayed in the question list</td>
</tr>
<tr>
<td>3. Click the desired question state.</td>
<td>4. A confirmation box is displayed.</td>
</tr>
<tr>
<td>5. Confirm the choice to change the question state.</td>
<td>6. The change of state is visible in the question header.</td>
</tr>
</tbody>
</table>
3.2.36 ATD-36 - ANSWERING A QUESTION FOR SENSUS PERSONNEL

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the Q&A dashboard page and the desired question has no answer.

**Functional requirements:** URF-151, URF-152

<table>
<thead>
<tr>
<th>Input specifications</th>
<th>Output specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Click the desired question from the list of questions presented on the page</td>
<td>2. The SensUs Digital website expands the question drop down extension, showing additional information and buttons.</td>
</tr>
<tr>
<td>3. Click the &quot;answer&quot; option shown in the expanded question drop down extension.</td>
<td>4. The SensUs Digital website expands the answer drop down extension, showing additional information and buttons.</td>
</tr>
<tr>
<td>5. Click the &quot;Answer Question&quot; button.</td>
<td>6. The SensUs Digital website shows a modal with a form to fill in the question information.</td>
</tr>
<tr>
<td>7. Fill in the required Title field, and the other two fields if desired.</td>
<td>9. The SensUs Digital website re-renders the list of questions with this updated change.</td>
</tr>
<tr>
<td>8. Click the &quot;Submit&quot; button.</td>
<td></td>
</tr>
</tbody>
</table>

3.2.37 ATD-37 - DELETING A QUESTION

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the Q&A dashboard page.

**Functional requirements:** URF-153, URF-154
1. Click the desired question from the list of questions presented on the page.

3. Click the delete button shown on the expanded question information.

5. Click the confirm button shown.

2. The SensUs Digital website expands the question item, showing additional information and buttons.

4. The SensUs Digital website shows a delete confirmation message.

6. The SensUs Digital website re-renders the Q&A dashboard page with the question now deleted.

3.2.38 ATD-38 - DELETING AN ANSWER

Preconditions: The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the Q&A dashboard page.

Functional requirements: URF-155, URF-156
Input specifications

1. Click the question that the desired answer answers from the list of questions presented on the page

3. Click the answer item shown in the expanded question item.

5. Click the delete answer button shown on the expanded answer item.

7. Click the confirm button shown.

Output specifications

2. The SensUs Digital website expands the question item, showing additional information and buttons.

4. The SensUs Digital website expands the answer item, showing additional information and buttons.

6. The SensUs Digital website shows a delete confirmation message.

8. The SensUs Digital website re-renders the Q&A dashboard page with the desired answer now deleted.

3.2.39 ATD-39 - CHANGING THE STATE OF AN ANSWER

Preconditions: The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the Q&A dashboard page and the page is freshly loaded (no other actions have taken place). The desired question has an answer associated with it.

Functional requirements: URF-157, URF-158, URF-159, URF-160, URF-161, URF-162
**Input specifications**

1. Click the desired question from the list of questions presented on the page.

3. Click the "answer" option shown in the expanded question drop down extension.

5. Select the desired state from the list of buttons presented.

7. Select "I'm Sure" to confirm the action.

**Output specifications**

2. The SensUs Digital website expands the question drop down extension, showing additional information and buttons.

4. The SensUs Digital website expands the answer drop down extension, showing additional information and buttons.

6. The SensUs Digital website shows a pop-up window confirming the action of changing the status.

8. The SensUs Digital website re-renders the list of questions with this updated change. If the question is still listed under the selected filters, then the question will show with both the question drop down extension and answer drop down extension expanded and show the updated change. If the question is now no longer listed under the present filter, then the remaining questions will be shown.

### 3.2.40 ATD-40 - FILTERING QUESTIONS BY TEAM

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the Q&A dashboard page.

**Functional requirements:** URF-163, URF-173
**Input specifications**

1. Select the desired team in list of tabs located to the left of the list of questions.

**Output specifications**

2. The website re-renders the page to show the list of questions associated with only the selected team.

### 3.2.41 ATD-41 - FILTERING QUESTIONS BY STATUS

**Preconditions:** The user is authenticated as SensUs personnel or has a higher level of permissions. The user is also on the Q&A dashboard page.

**Functional requirements:** URF-164, URF-165, URF-166, URF-167, URF-168, URF-169, URF-170, URF-171, URF-172

**Input specifications**

1. Select the desired status in list of tabs above the list of questions.

**Output specifications**

2. The website re-renders the page to show the list of questions with the selected status.
4 TEST PROCEDURES

The procedure described in this Chapter should be followed completely to finish the acceptance tests. This section is arranged as follows:

1. The subsection “Main test procedure” is the starting point of performing the acceptance tests and must be followed in the order listed.

2. Subprocedures and tasks are listed in in the main test procedure, these must be followed completely and in order before continuing to the next item.

3. These subprocedures reference any of the acceptance tests in the previous chapter (chapter 3). These must be completed successfully before continuing.

Following the rules outlined above ensures that each component of the application is tested successfully. The order ensures that the effects each of the components (and their underlying subcomponents) have on each other can be observed and thus easily accepted or rejected by the client. Furthermore, the order also ensures a minimum of navigation between the pages of the website.

The following accounts should be used for testing (all passwords are ytrewq321):

- Authenticated user: regularsensususer@gmail.com
- Team member: sensusteammember@gmail.com
- sensus Personnel: sensuspersonnel@gmail.com
- Web Administrator: sensuswebmoderator@gmail.com

**Important**

Before starting the procedure, make sure the website is opened in the Chrome browser (version 57 or up) and another incognito window is opened for the website as well (Ctrl+Shift+n). All the steps given in the next section should be performed in the main window unless the step is preceded by “IC”, in which case it should be executed in the incognito window.

4.1 MAIN PROCEDURE

1. Do testcase: ATM-1 - Logging in (see page 11) (Use an account with administrator privileges.)

2. Do test procedure: Video

3. Do test procedure: Biosensor data
4. Do test procedure: Q&A
5. Do test procedure: Voting
6. Do test procedure: User Management
7. Do test procedure: Team information
8. Do test procedure: Streaming
9. Do testcase: ATM-2 - Logging out (see page 12)
10. Do test procedure: Authorization
11. Do test procedure: Viewing Information

4.2 VIDEO

1. Navigate to the home page, by clicking on the Sensus Logo.
2. Do testcase: ATM-27 - Submitting a video (see page 28)
3. Do testcase: ATM-29 - Submitting a picture (see page 30)
4. Navigate to the dashboard page, by clicking on the menu item labeled "Dashboard".
5. Navigate to the control room page, by clicking on the menu item labeled "Control".
6. Do testcase: ATD-20 - Submitting a pre-approved video (see page 50)
7. Do testcase: ATD-21 - Seeing all the submitted videos (see page 50)
8. Do testcase: ATD-31 - Deleting a submitted video (see page 55)
9. Do testcase: ATD-22 - Filtering submitted videos (see page 51)
10. Do testcase: ATD-23 - Editing the state of a submitted video (see page 51)
11. Do testcase: ATD-24 - Editing a video’s tags (see page 52)
12. Do testcase: ATD-25 - Editing a video’s title (see page 52)
13. Do testcase: ATD-30 - Editing a video’s description (see page 55)
14. Do testcase: ATD-26 - Seeing all the submitted pictures (see page 53)
15. Do testcase: ATD-27 - Editing the state of a submitted picture (see page 53)
16. Do testcase: ATD-28 - Editing a picture’s tags (see page 54)
17. Do testcase: ATD-29 - Deleting a submitted picture (see page 54)

18. IC Navigate to the explore page, by clicking on the menu item labeled “Explore”.

19. IC Do testcase: ATM-30 - Viewing all (approved) regular videos (see page 30)

20. IC Do testcase: ATM-31 - Filtering videos on tags (see page 31)

21. IC Do testcase: ATM-33 - Viewing the videos in a random order (see page 32)

22. IC Do testcase: ATM-34 - Viewing the videos in a chronological order (see page 33)

23. IC Navigate to the teams page, by clicking on the menu item labeled “teams”.

24. IC Navigate to a team page, by clicking on any of the elements labeled with the name of a team.

25. IC Do testcase: ATM-32 - Viewing videos for a specific team (see page 31)

4.3 BIOSENSOR DATA

1. Navigate to the dashboard page, by clicking on the menu item labeled “Dashboard”.

2. Navigate to the biosensor data dashboard, by clicking on the menu item labeled “data”.

3. Do testcase: ATD-8 - Downloading Biosensor data (see page 40)

4. Modify the downloaded csv file to your liking.

5. Do testcase: ATD-7 - Uploading Biosensor data (see page 39) (use the same csv file)

6. Do testcase: ATD-10 - Viewing all the graphs for the Biosensor data (see page 42)

7. Do testcase: ATD-9 - Deleting Biosensor data (see page 41)

8. Do testcase: ATD-11 - Setting the visibility of graph axis (see page 43)

9. IC Navigate to the live results page, by clicking on the corresponding menu item.

10. IC Check if the chosen visibility is shown on the live results page.

11. Do testcase: ATD-12 - Setting the visibility of the sample volume chart (see page 44)

12. IC Check if the chosen visibility is shown on the live results page.

13. Do testcase: ATD-13 - Setting the visibility of the average time to result chart (see page 44)

14. IC Check if the chosen visibility is shown on the live results page.
15. Do testcase: ATD-14 - Setting the visibility of the number of datapoints chart (see page 45)

16. IC Check if the chosen visibility is shown on the live results page.

17. Do testcase: ATD-15 - Setting the visibility of the public correlation scatter plot (see page 45)

18. IC Check if the chosen visibility is shown on the live results page.

19. Do testcase: ATD-16 - Setting the visibility of the private correlation scatter plot (see page 46)

20. IC Check if the chosen visibility is shown on the live results page.

21. Do testcase: ATD-10 - Viewing all the graphs for the Biosensor data (see page 42)

22. Navigate to the home page, by clicking on the menu item labeled “SensUs Home”.

23. Navigate to the teams page, by clicking on the menu item labeled “teams”.

24. Navigate to a team page, by clicking on any of the elements labeled with the name of a team.

25. Do testcase: ATM-6 - Viewing a team’s biosensor measurement results (see page 14)

26. Navigate to the live results page, by clicking on the menu item labeled ”Live results”.

27. Do testcase: ATM-7 - Viewing biosensor measurement results of all teams (see page 14)

4.4 Q&A

1. Navigate to the home page, by clicking on the Sensus Logo.

2. Do testcase: ATM-18 - Submitting a text question to SensUs via the sidebar (see page 21)

3. Do testcase: ATM-19 - Submitting a video question to SensUs via the sidebar (see page 22)

4. Do testcase: ATM-20 - Submitting a text question to a team via the sidebar (see page 23)

5. Do testcase: ATM-21 - Submitting a video question to a team via the sidebar (see page 24)

6. Navigate to the dashboard page, by clicking on the menu item labeled “Dashboard”.

7. Navigate to the Q&A page, by clicking on the menu item labeled “Q&A”.

8. Do testcase: ATD-40 - Filtering questions by team (see page 62)
9. Do testcase: ATD-41 - Filtering questions by status (see page 62)
10. Do testcase: ATD-37 - Deleting a question (see page 59)
11. Do testcase: ATD-38 - Deleting an answer (see page 60)
12. Do testcase: ATD-32 - Claiming a question (see page 56)
13. Do testcase: ATD-33 - Unclaiming a question (see page 56)
14. Do testcase: ATD-34 - Answering a question (see page 57)
15. Do testcase: ATD-36 - Answering a question for sensus personnel (see page 58)
16. Do testcase: ATD-39 - Changing the state of an answer (see page 61)
17. Do testcase: ATD-35 - Changing a question's state (see page 57)
18. **IC** Navigate to the Q&A page, by clicking on the menu item labeled “Q&A”.
19. **IC** Do testcase: ATM-16 - Viewing the approved questions and answers for SensUs (see page 19)
20. **IC** Do testcase: ATM-17 - Viewing the approved questions and answers for a team (see page 20)

### 4.5 VOTING

1. Navigate to the "vote" page, by clicking on the menu item labeled “Vote now!”.
2. Do testcase: ATM-13 - Voting for two teams (see page 17)
3. Do testcase: ATM-14 - Updating votes (see page 18)

### 4.6 USER MANAGEMENT

1. Navigate to the dashboard page, by clicking on the menu item labeled "Dashboard".
2. Navigate to the Users page, by clicking on the menu item labeled "Users".
3. Do testcase: ATD-3 - Changing the role of a user (see page 35)
4. Do testcase: ATD-4 - Banning a user (see page 36)
5. **IC** Do testcase: ATM-3 - Banned user can not login (see page 12) (Use the account that was just banned.)
6. Do testcase: ATD-5 - Un-banning a user (see page 37)
7. **IC** Do testcase: ATM-1 - Logging in (see page 11) (Use the account that was just unbanned.)
4.7 TEAM INFORMATION

1. Navigate to the teams page, by clicking on the menu item labeled “teams”.
2. Do testcase: ATD-17 - Changing a team’s background information (see page 47)
3. Do testcase: ATD-18 - Changing a team’s live stream (see page 48)
4. Do testcase: ATD-19 - Changing a main live stream (see page 49)
5. IC Navigate to the teams page, by clicking on the menu item labeled “teams”.
6. IC Navigate to a team page, by clicking on any of the elements labeled with the name of a team.
7. IC Do testcase: ATM-8 - Viewing the team information (see page 15) (Choose the team that was just updated)

4.8 STREAMING

1. Do testcase: ATM-4 - Viewing the main live stream (see page 13)
2. Navigate to the teams page, by clicking on the menu item labeled “teams”.
3. Navigate to a team page, by clicking on any of the elements labeled with the name of a team.
4. Do testcase: ATM-5 - Viewing the live stream of a team (see page 13)

4.9 AUTHORIZATION

1. Do testcase: ATM-15 - No voting possible when unauthenticated (see page 18)
2. Do testcase: ATM-26 - No submitting questions possible when unauthenticated (see page 27)
3. Do testcase: ATM-28 - No submitting videos possible when unauthenticated (see page 29)
4. Do testcase: ATD-1 - No dashboards visible (see page 33)
5. Do testcase: ATM-1 - Logging in (see page 11) (Use an account with team member privileges.)
6. Do testcase: ATD-2 - Only dashboard available for team members is their own Q&A dashboard (see page 34)
7. Do testcase: ATM-2 - Logging out (see page 12)

8. Do testcase: ATM-1 - Logging in (see page 11) (Use an account with SensUs personnel privileges)

9. Do testcase: ATD-6 - SensUs personnel can not ban web administrators (see page 38)

4.10 VIEWING INFORMATION

1. IC Navigate to the home page, by clicking on the Sensus Logo.

2. IC Do testcase: ATM-9 - Viewing the partners (see page 15)

3. IC Do testcase: ATM-11 - Viewing the event program (see page 16)

4. IC Navigate to the vote page, by clicking on the menu item labeled "Vote now!".

5. IC Do testcase: ATM-12 - Viewing the awards (see page 16)
5 TEST REPORTS

The results and test reports of the Acceptance Test Plan (ATP) can be found in Section 5 of the STD [3].
6 TRACING MATRIX

6.1 MAPPING OF TEST CASES TO USER REQUIREMENTS

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### 6.2 MAPPING OF USER REQUIREMENTS TO TEST CASES

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