Integration Test Plan

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October 26, 2012   Eindhoven
Abstract

This document is the Integration Test Plan (ITP) of the kroket group. This project is part of the Software Engineering Project (2IP35) and is one of the assignments at Eindhoven University of Technology. The document complies with the ITP from the Software Engineering Standard, as set by the European Space Agency [1].

This document provides the main guidance for the Integration Tests (IT) during the Detailed Design (DD) phase of the kroket project. It describes the environment needed to perform the IT. When this environment is set up, all test cases must be executed according to their corresponding test procedures. After a test has been performed a report needs to be written.
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## Document history

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<td>26-10-2012</td>
<td>Erik Scheffers</td>
<td>Reviewed</td>
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General

Date 26-10-2012
Document title Unit Test
Identification Documentatie.SVVP.IT.0.1.0

Document history since 0.0.0

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Chapter 1

Introduction

1.1 Purpose

The Integration Test Plan (ITP) describes the plan for testing the integrated software against the architectural design, defined in the ADD [2]. The integration tests make sure that KROKET complies with the design in the Detailed Design (DD) phase of the KROKET project as described in the ESA Software Engineering Standard [1].

1.2 Overview

Chapter 2 mentions the items to be tested together with the general criteria for the IT. A specification for each test case is given in chapter 3. The procedures for these test cases are explained in chapter 4. In chapter 5 the reports for all test cases are presented.

1.3 List of definitions and abbreviations

1.3.1 Definitions

KROKET Software engineering team developing the application.

1.3.2 Abbreviations

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<th>Description</th>
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<tr>
<td>ADD</td>
<td>Architectural Design Document</td>
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<td>ATP</td>
<td>Acceptance Test Plan</td>
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<td>DD</td>
<td>Detailed Design</td>
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CHAPTER 1. INTRODUCTION

1.4 List of references


3. KROKET group, Acceptance Test Plan (ATP).
Chapter 2

Test plan

The kroket project uses a client-server architecture which implies that a lot of integration testing is done during development. The communication between the client and server is continuously tested via the GUI. Developers of the client side focus on making a good and usable GUI which can not be tested properly without server data. This server data is retrieved via a request to the server which gets the data from its database. This database is queried and the query result is sent back to the client. Through this way of working most integration tests have already been executed.

At the end of the DD phase, when all components of the kroket website have been developed, an overall integration test is done using the tests specified in the ATP. All tests in the ATP are executed. The tests in the ATP cover the integration testing of all components. Reports of failed ATP tests regarding integration testing are documented in the ATP. No automatic system tests are performed, therefore the remaining sections of this document are not applicable.

2.1 Test items

This section is not applicable.

2.2 Features to be tested

This section is not applicable.

2.3 Test deliverables

This section is not applicable.

2.4 Testing tasks

This section is not applicable.
2.5 Environmental needs

This section is not applicable.

2.6 Test case pass/fail criteria

This section is not applicable.
Chapter 3

Test case specification

This section is not applicable.
Chapter 4

Test procedures

This section is not applicable.
Chapter 5

Test reports

This section is not applicable, see ATP [3].