Bachelor Technische Informatica

Kroket

Kroket

Software Transfer Document

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Abstract

This document is the Software Transfer Document (STD) of the kroket group project. 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 STD from the Software Engineering Standard, as set by the European Space Agency [1].

This document describes the procedures for the transfer of kroket to the customer and the results of this transfer.
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Document history

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Chapter 1

Introduction

1.1 Purpose

This document gives all information concerning the transfer of the product from the developers to the customer. It describes the items to be transferred and how these have been tested prior to the actual transfer. Finally, it describes the state of these items compared to the requirements from the URD [14].

1.2 Scope

KROKET is an application designed and developed by KROKET group for the Bachelor College at the Eindhoven University of Technology. The application is designed to aid students in determining their choice for electives.

1.3 List of definitions and abbreviations

1.3.1 Definitions

**Bachelor College** The result of a reform of bachelor education at the TU/e. See URD [14] appendix B for a description.

**KROKET** Software engineering team developing the application.

**TEX** A typesetting system.

1.3.2 Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tr>
<td>ADD</td>
<td>Architectural Design Document</td>
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<tr>
<td>ATP</td>
<td>Acceptance Test Plan</td>
</tr>
<tr>
<td>DDD</td>
<td>Detailed Design Document</td>
</tr>
<tr>
<td>ECTS</td>
<td>European Credit Transfer System</td>
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<td>ESA</td>
<td>European Space Agency</td>
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1.4 List of references


3. kroket group, Acceptance Test Plan (ATP).


5. kroket group, Integrated Test Plan (ITP).

6. kroket group, Software Configuration Management Plan (SCMP).

7. kroket group, Software Project Management Plan (SPMP).

8. kroket group, Software Quality Assurance Plan (SQAP).


10. kroket group, Software Transfer Document (STD).

11. kroket group, System Test Plan (STP).


13. kroket group, Software Verification and Validation Plan (SVVP).

14. kroket group, User Requirements Document (URD).

15. kroket group, Unit Test Plan (UTP).
CHAPTER 1. INTRODUCTION

1.5 Overview

The remainder of this document gives the build procedures in chapter 2 and the installation procedures in chapter 3. All the customer items which are transferred to the customer are given in chapter 4 and chapter 5 gives the statistics of the acceptance test. Chapter 6 describes requirements that not have been implemented. For each group of requirements the available functionality is given as well as the work to be done to meet the requirements.
Chapter 2

Build procedure

2.1 Client
Not applicable.

2.2 Server
Not applicable.
Chapter 3

Installation procedure

The installation procedure is described in appendix A of the ATP [3].
Chapter 4

Configuration item list

This chapter gives an overview of the configuration items transferred to the customer. All documentation is delivered in \TeX\ format as well as PDF format. The Documentatie directory contains the latest version of all documents in \TeX\ format and PDF format. Earlier versions can be found in the archive and master library. These are stored on the kROKET server in PDF format.

4.1 Product items

Here, we will give a list of all product items.

4.1.1 Requirement and design documents

• URD [14];
• SRD [9];
• ADD [2];
• DDD [4].

4.1.2 Test plans

• UTP [15];
• ITP [5];
• STP [11];
• ATP [3].

4.1.3 Other documentation

• SUM [12];
• STD [10].
CHAPTER 4. CONFIGURATION ITEM LIST

4.1.4 Software products

- KROKET server;
- KROKET client.

4.2 Process items

Here, we will give a list of all process items.

4.2.1 Project plans

- SCMP [6];
- SPMP [7];
- SQAP [8];
- SVVP [13].
Chapter 5

Acceptance test report summary

The system has been subject to # acceptance tests. The statistics from these tests can be found in sections #...#.

5.1 First acceptance test

5.2 Second acceptance test
Chapter 6

Software problem reports

The krokét software package does not meet all requirements stated in the URD [14]. The following sections give an overview of the requirements which have not been implemented. For each group of requirements the available functionality is given as well as the work to be done to meet the requirements. More information on how and where to solve the missing functionality can be found in the DDD [4].

One of the not implemented requirements has priority must have: this is UCR17. We were not able to implement this requirement, because it is not known yet how many subjects of a certain difficulty are needed.

6.1 TU/e account

Requirement: UCR3

Priority: Should have.

Functionality: Users can use their TU/e account to log in to krokét.

Available:

- Register and login happens by an own account system.

Todo:

- Get permission to use the TU/e credentials of the users.
- Adapt the login system to log in with TU/e accounts.

6.2 Difficulties still needed

Requirement: UCR17
**Kroket – SOFTWARE TRANSFER DOCUMENT**

**Priority:** Must have.

**Functionality:** Users can see how much subjects of a certain difficulty are still needed.

**Available:**
- The validator checks the schedule on four things: major subjects, number of ECTS, USE packages and elective packages.

**Todo:**
- Implement checking on number of subjects of a certain difficulty.

### 6.3 Graph

**Requirement:** UCR28

**Priority:** Could have.

**Functionality:** Users can request a graph with on the x-axis measuring the broadening and on the y-axis measuring the deepening of a subject.

**Available:**
- Nothing.

**Todo:**
- Implement evaluation of a subject on broadening and deepening aspects relative to a given major.
- Implement the drawing of the graph.

### 6.4 Update study packet

**Requirement:** UCR30

**Priority:** Won’t have.

**Functionality:** Users can update their study packet with the chosen electives.

**Available:**
- Nothing.
CHAPTER 6. SOFTWARE PROBLEM REPORTS

Todo:
- Get permission to get the personal information of the users.
- Implement getting the personal schedule of a user.
- Implement importing the personal schedule of a user into the schedule of kroket.

6.5 Cross out subjects and recommend

Requirements:  UCR31, UCR32

Priorities:  Should have and Could have, respectively.

Functionality:  Users can cross out subjects they do not like, the subjects are however not removed from the subject list. This means that the subject can be the result of a new search request. Based on the crossed out subjects, users are recommended or recommended against subjects.

Available:
- kroket recommends subjects based on the subjects in the schedule.

Todo:
- Implement crossing out subjects in the subject list.
- Implement recommendations on these crossed out subjects.

6.6 Personal questionnaire

Requirement:  UCR35

Priority:  Could have.

Functionality:  Users can search for subjects based on their personal profile. This profile is made by filling in a questionnaire.

Available:
- A questionnaire has already been provided by STU.

Todo:
- Implement starting a questionnaire and showing results of the questionnaire.
Chapter 7

Software change requests

7.1 Retrieving subject information

Every day the system updates his database, but this barely involves OWIS. We have got limited data from STU which we use as primary data. Besides this we parse subject data from OWInfo, but the current plans are that this website is going offline quite soon. We retrieve further data from a test database of the university, but the data from this test database is outdated and very limited. This means that kroket can only provide limited subject data.

To make sure this website does not provide outdated or incomplete information, a proper link with OWIS is needed. This link should provide:

- all subjects of the Bachelor College with subject information
- all majors of the Bachelor College
- information about which subject is in which major
- when a specific subject belongs to a major
- planning information about when a subject is given

Unfortunately, we were not able to implement this due to the involvement of different offices and our short development time.
Chapter 8

Software modifications reports

Not applicable.