Fontys Hogeschool Techniek en Bedrijfsmanagement

Rowbuddy

Software Requirement Specification

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Changelog

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0.1	Initial document	Trzeszkowski	30/09/2010
0.2	Create Introduction	Trzeszkowski	30/09/2010
0.3	Create first parts of Overall description	Trzeszkowski	01/10/2010
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1 Introduction

1.1 Purpose

This document describes the requirements of RowBuddy, a Web based system to log routes of rowing boats at the Crefelder Ruder-Club 1883 e.V. (Crefelder RC). It will be developed by students of the JEE course in the seventh semester of the study course Software Engineering at the Fontys University of Applied Sciences, Venlo / The Netherlands.

This document is addressed to the system developers and as well to the lecturer of the JEE course at the Fontys University of Applied Sciences.

1.2 Scope

The purpose of RowBuddy is to provide a web based software system to offer the possibility to log rowed tracks, concerning a special boat, the rowers and also the route.

The Crefelder RC owns two boat houses and each house offers an own logbook for rowed courses. For statistical evaluation it is very difficult to combine the logged entries, which normaly is done at the end of each year. Because the Crefelder RC consists of over 300 members and has many different boats, at least more than 50, it is very important to log every route that is rowed. Also for insurance it is necessary to offer this possibility to every rower.

The actual situation with two different log books is found inefficient for the following main reasons:

- Inefficient statistical work at the end of each year
- No standard routes are available, which are rowed multiple times every day
- Double logged entries may occur

RowBuddy will offer the possibility to delete these inefficient points. Firstly it will offer the possibility to **save the boats, the members of the rowing club, standard routes and of course it will log rowed events**. Secondly the big improvement of RowBuddy will be the **statistical views**, the software system will offer.
Another big improvement will be the possibility to offer profiles of each member of the rowing club where logged routes are showed to visitors of his profile.

Four main parts can be identified:

- An online software system to store all members and all boats of the rowing club and also default routes
- A tool to log rowed routes as a team
- A report generator
- A profile for each club member where he can present his rowed courses

1.3 Definitions, acronyms and abbreviations

Please refer to Appendix A1 for a list of definitions, acronyms and abbreviations.

1.4 References

Please refer to Appendix A2 for all document references in this software requirements document.

1.5 Overview

Section 2 of this document provides a use case model survey. It does not state specific requirements. Instead it describes the known actors and their interactions with RowBuddy from a high level view. It also lists factors and assumptions, that affect the requirements stated in this document.

2 Overall description

The purpose of this section is to provide a brief description of the project and to describe known actors and their interaction with the system. The section presents a high level view. For more detailed information, please refer to the developer team.

2.1 Stakeholders

- **Rowing club administrators:** Must integrate the system into the rowing club's network infrastructure. Their concern is, that the system is usable for logging routes without any extended knowledge of computer systems.
- **Developers:** JEE course students, that are developing the system. Developers include architects, testers and quality engineers.
- **Rowing club members:** Use the system to log their rowed routes.
- **Lecturer:** Checks the state of development and marks the result of the developers for the JEE course.

2.2 Actors

The following actors can be defined:

- **Rowing club administrator:** The rowing club administrator uses the system to create and publish boats and routes. Rowing club administrators also use the system to generate analysis and view statistics. Another task of him is to observe the status of boats for retrieving information about damaged boats.
- **Rowing club member:** The rowing club member uses the system to log their rowed routes and publish these routes on their profile.

2.3 Use case Model Survey

According to the four parts identified in section 1.2, the use case model is broken into packages. The use cases presented in this survey are high level use cases and are presented in figure 1.

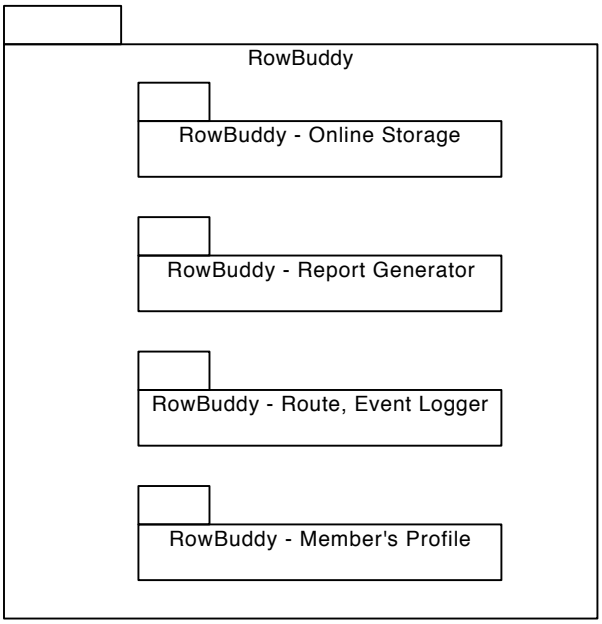

Figure 1: RowBuddy Packages

2.3.1 Package RowBuddy Online Storage

The use cases in the *RowBuddy Online Storage package* deal with configuring, setting up and using the system as an administrator.

TODO IMAGE

- **HLUC-1:** Create Boats
- **HLUC-2:** Browse Boats
- **HLUC-3:** Create Users
- **HLUC-4:** Browse Users
- **HLUC-5:** Create Routes
- **HLUC-6:** Browse Routes

2.3.2 Package RowBuddy Route and Event Logger

The use cases in the *RowBuddy Route and Event Logger package* deal with logging new routes and other things. Users may p.e. log a damaged boat.

TODO IMAGE

- **HLUC-7:** Log rowed route
- **HLUC-8:** Log damaged boat

2.3.3 Package RowBuddy Report Generator

The use cases in the *RowBuddy Report Generator package* deal with generating all kinds of reports. The content of the reports are configurable to individualize the reports based on the logged routes.

TODO IMAGE

- **HLUC-9:** Generate year statistic of all members
- **HLUC-10:** Generate boat statistics
- **HLUC-11:** Generate individual statistics for a member

2.3.4 Package RowBuddy Member's Profile

The use cases in the *RowBuddy Member's Profile package* deal with the profiles of a member. How he can publish his own results and how to view the profiles of other row buddys.

TODO IMAGE

- **HLUC-12:** Publish route on profile
- **HLUC-13:** VIew other club members profile

Appendix

A1 Definitions, acronyms, and abbreviations

A2 References