Politecnico di Milano

Software Engineering 2 Project
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MyTaxiService
Integration Test Plan Document
Version 1.0

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Chapter 1

Introduction

1.1 Revision History

Version	Date	Author(s)	Summary
1.0	21/01/16	Valerio Castelli & Fabrizio Casati	Initial release

1.2 Purpose and Scope

This document represents the Integration Testing Plan Document for myTaxiService. Integration testing is a key activity to guarantee that all the different subsystems composing myTaxiService interoperate consistently with the requirements they are supposed to fulfill and without exhibiting unexpected behaviors. The purpose of this document is to outline, in a clear and comprehensive way, the main aspects concerning the organization of the integration testing activity for all the components that make up the system. In the following sections we're going to provide:

- A list of the subsystems and their subcomponents involved in the integration activity that will have to be tested
- The criteria that must be met by the project status before integration testing of the outlined elements may begin
- A description of the integration testing approach and the rationale behind it
- The sequence in which components and subsystems will be integrated
- A description of the planned testing activities for each integration step, including their input data and the expected output

- A list of all the tools that will have to be employed during the testing activities, together with a description of the operational environment in which the tests will be executed

1.3 Definitions, Acronyms, Abbreviations

1.3.1 Definitions

1.3.2 Acronyms

- SDD: Software Design Description.
- DD: Design Document. Used as a synonym of SDD.
- DBMS: Database Management System.
- API: Application Programming Interface.
- RASD: Requirement Analysis and Specification Document.
- SRS: Software Requirements Specifications. Synonym of RASD.
- ETA: Estimated Time of Arrival.
- UI: User Interface.
- GPS: Global Positioning System.

1.3.3 Abbreviations

- Req. as for Requirement.
- WebApp as for Web Application.

1.4 Reference Documents

- The project description document: Assignments 1 and 2 (RASD and DD).pdf
- Assignment document: Assignment 4 - integration test plan.pdf
- myTaxiService Requirement Analysis and Specification Document: RASD.pdf
- myTaxiService Design Document: DD.pdf
- The Integration Test Plan Example document: Integration Test Plan Example.pdf

Chapter 2

Integration Strategy

2.1 Entry Criteria

2.2 Elements to be Integrated

2.3 Integration Testing Strategy

2.4 Sequence of Component/Function Integration

2.4.1 Software Integration Sequence

2.4.2 Subsystem Integration Sequence

Chapter 3

Individual Steps and Test Description

Chapter 4

Tools and Test Equipment Required

Chapter 5

Program Stubs and Test Data Required

Appendix A

Hours of work

To redact this document, we spent ?? hours per person.