Politecnico di Milano
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Software Engineering 2: "myTaxiService"
Integration **T**est **P**lan **D**ocument

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Contents

1 Introduction

1.1 Revision History

1.2 Purpose and Scope

This document describes the Integration Test Plan for the myTaxiService application. It provides a plan referring to how the various components of the software architecture described in the Design Document will be integrated for testing.

1.3 List of Definitions and Abbreviations

1.4 List of Reference Documents

- The document with myTaxiService's description

- myTaxiService's RASD

- myTaxiService's Design Document

2 Integration Strategy

2.1 Entry Criteria

Before the integration testing, each single module must have been tested to verify its correct functioning according to its specifications.

2.2 Elements to be Integrated

According to the Design Document, the components to be integrated are:

- Accounts

- Active Reservations and Requests

- DBConnector

- APIBackend

- WebpageCreator

- NotificationModule

- HttpHandler

- ClientUI

- DriverUI

- AdminUI

2.3 Integration Testing Strategy

The decided testing approach is bottom-up.

2.4 Sequence of Component/Function Integration

2.4.1 Software Integration Sequence

2.4.2 Subsystem Integration Sequence

3 Individual Steps and Test Description

3.1 Test case specifications

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3.2 Test procedures

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4 Tools and Test Equipment Required

Test Case identifier	Test Case identifier
Test Items	Test Items
Input Specification	Input Specification
Output Specification	Output Specification
Environmental Needs	Environmental Needs

5 Program Stubs and Test Data Required

6 Appendix

Appendix for Roberto Clapis
Work hours: 20

<div align="center">Software Used:</div>

Task	Software
Edit LaTeX Source	Vim
Edit Graphs Sources	Vim
Edit sources for Sequence Diagrams	Vim
Convert Sequence Diagrams to images	Quick SequenceDiagramEditor
Generate and Raster directed graphs	Dot
Generate and Raster undirected graphs	Fdp
General images mangling and cropping	ImageMagick & Shotwell
Convert LaTeX source to PDF	LaTeXMK
Spell Check	Aspell
LaTeX Check	LaCheck

Appendix for Erica Stella
Work hours: 20

Software Used:

Task	Software
Edit LaTeX Source	TexStudio
Convert LaTeX source to PDF	LaTeXMK
Edit sources for Sequence Diagrams	Quick Sequence Diagram Editor
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