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Integration Test Plan Document (ITPD)

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Abstract

Purpose: this document represent the Integration Test Plan Document (ITPD) of MyTaxiService project, in order to guide its integration testing team.

Scope: plan the integration tests of the MyTaxiService project.

Brief summary: the main activity concerned with finding all possible test cases which regard the component interfaces defined in the Design Document.

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Introduction

0.1 Revision History

Table 1: Detailed history of the document revisions

Name	Date	Note
ITPD	21/01/2016	Document creation
ITPD-version2	24/01/2016	Document completed

0.2 Purpose

This document represents the Integration Test Plan Document (ITPD), planning the integration tests of the MyTaxiService project design (according to the DD), in order to guide the test integration team.

0.3 Scope

The Integration Test Planning Document describes a planning of the MyTaxiService integration testing, which takes as its input software components (described in DD) that have been unit tested, groups them in larger aggregates, tests their interfaces, and delivers as its output the integrated system ready for system testing.

0.4 Definitions, acronyms and abbreviations

0.4.1 Definitions

- **System:** the whole MyTaxiService service.

0.4.2 Acronyms

- **DD:** Design Document
- **ETA:** Estimated Time of Arrival

- **GUI:** Graphic User Interface
- **MVC:** Model View Controller
- **OS:** Operating System
- **RASD:** Requirements And Specifications Document
- **UML:** Unied Modeling Language
- **WRT:** With Respect To

0.4.3 Abbreviations

- **ID:** Identifier
- **UX:** User Experience

0.5 Overview

This document is composed by four parts:

1. Integration Strategy: describes the integration test prerequisites and strategy, lists all features to be tested and the related software components.
2. Individual Steps and Test Description: defines the input/output sets under which the testing team determine whether the system features work (according to the RASD and to the DD).
3. Tools and Test Equipment Required: tools through which the integration test team does the tests.
4. Program Stubs and Test Data Required: stubs and special data required by the integration tests.

Chapter 1

Integration Strategy

1.1 Entry criteria

Before starting the *integration testing* of a module, it must be:

- designed in a Design Document
- individually correct, i.e. its *unit testing* must be already done.

1.2 Elements to be Integrated

The integration testing concerns of the components described in the DD.

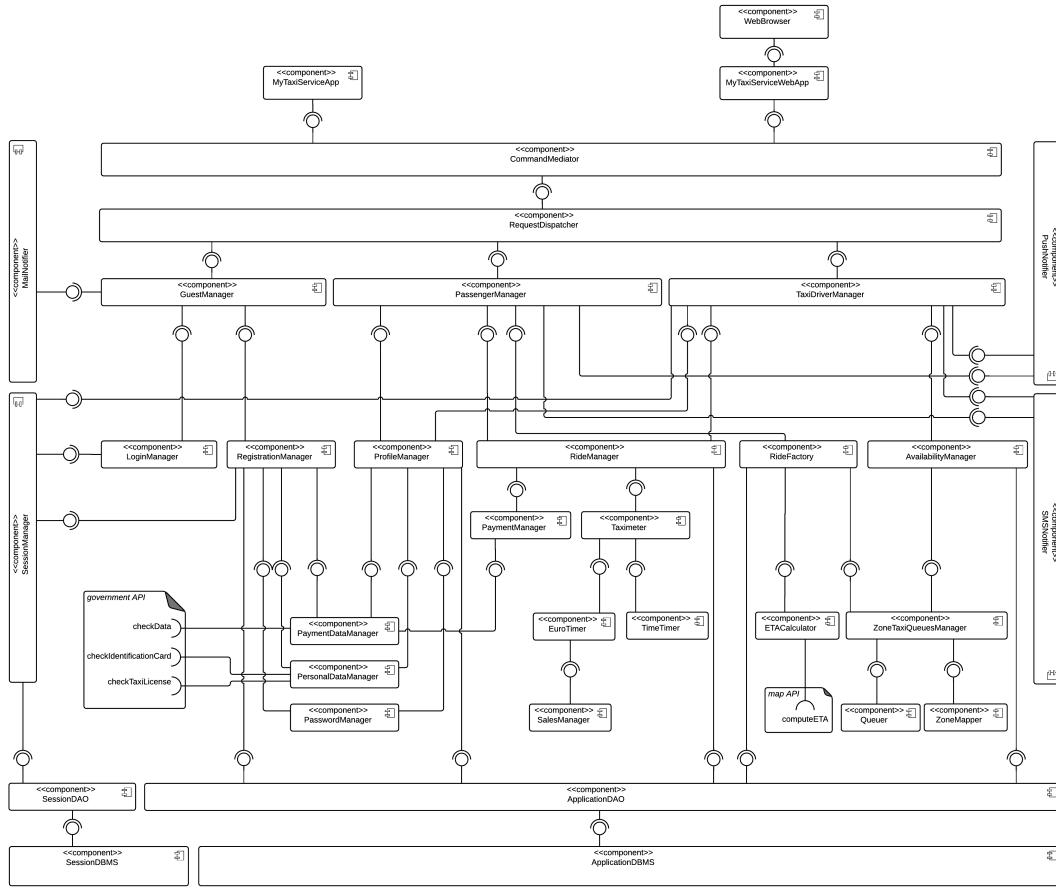


Figure 1.1: Components of MyTaxiService from a software point of view

1.3 Integration Testing Strategy

According to the design, a suitable testing approach could be the **bottom-up** one, because all the major flaws are captured towards the bottom of the program.

Observation: there is no need to test the `WebBrowser` and the `DBMS` modules because they have already tested by their software houses.

1.4 Sequence of Component/Function Integration

Starting from the main functionalities described in the DD, the following figures show the involved component and the order (follow the index, not the arrows) for integrating them into the system.

Also, in order to start the system test as soon as possible, the integration tests are ordered by use case.

Observation: due to this «use case order», the same component could be integrated

in the system more than one time.

1.4.1 Registration

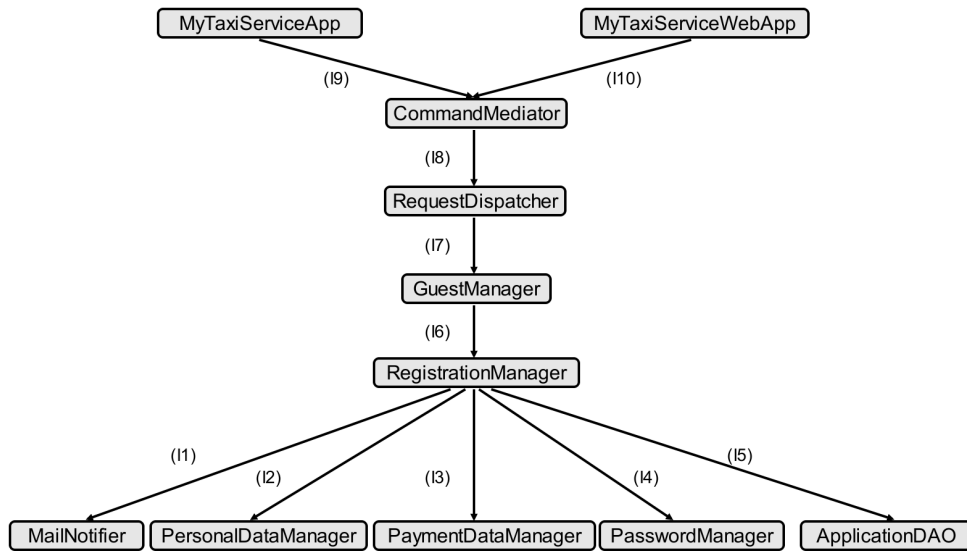


Figure 1.2: Components to be integrated in the registraion phase

1.4.2 Login

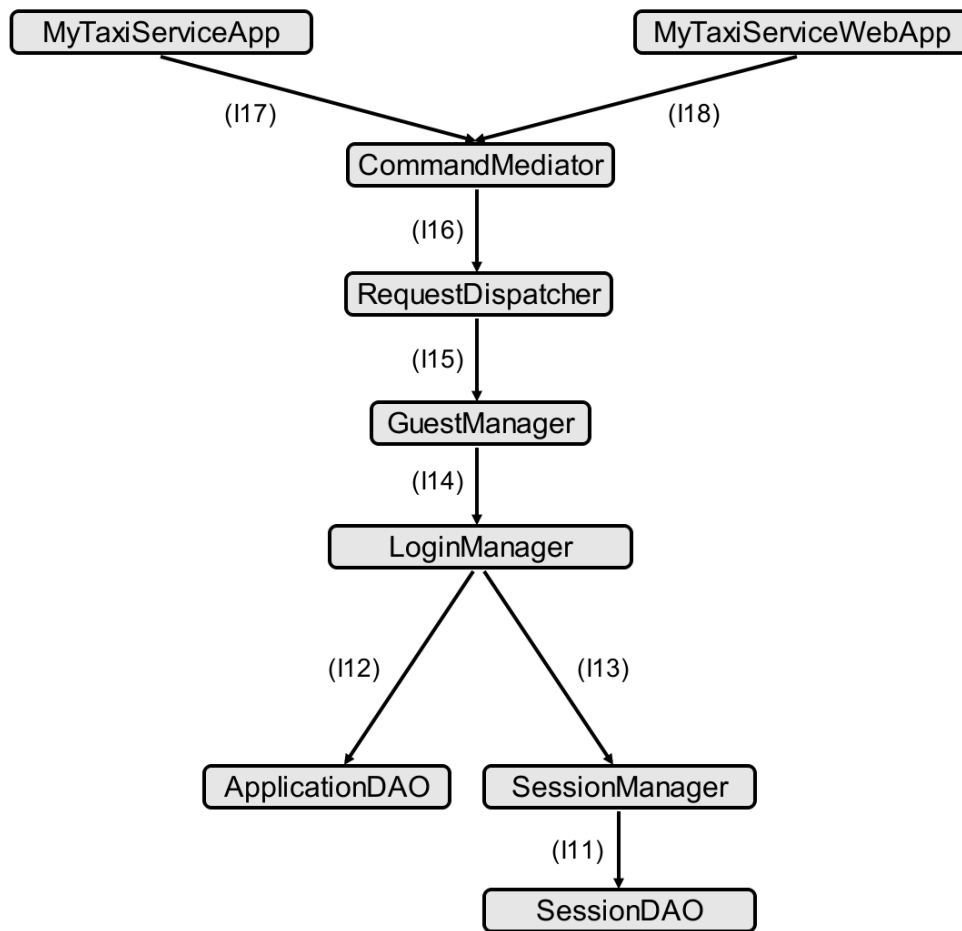


Figure 1.3: Components to be integrated in the login phase

1.4.3 Request a Taxi

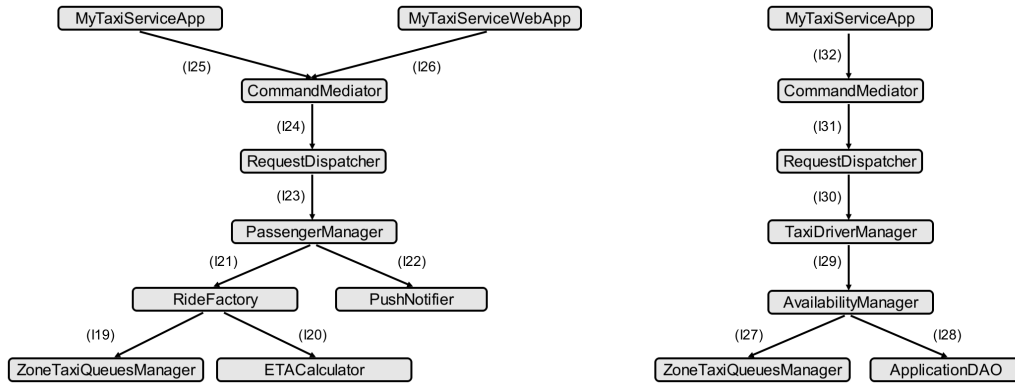


Figure 1.4: Components to be integrated in the taxi request phase (right: TaxiDriver perspective; left: Passenger perspective)

1.4.4 Start a Ride

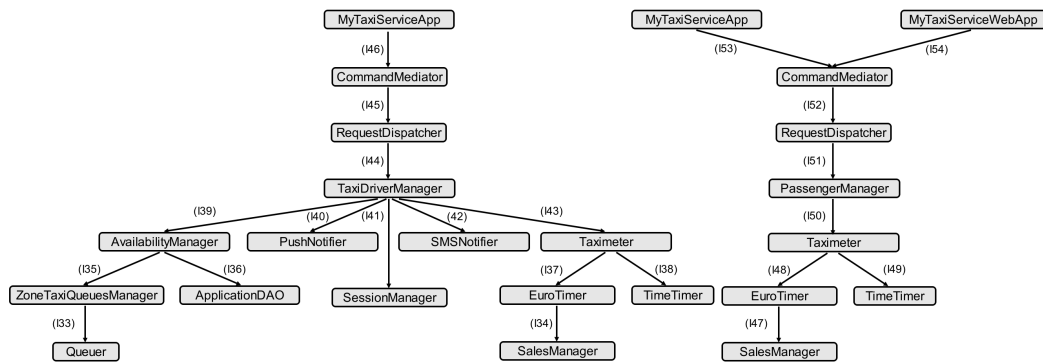


Figure 1.5: Components to be integrated in the initial ride phase (left: TaxiDriver perspective; right: Passenger perspective)

1.4.5 Finish a Ride

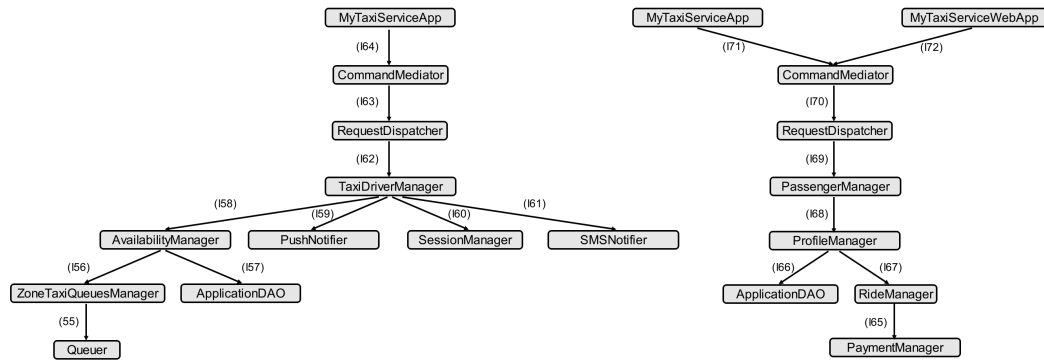


Figure 1.6: Components to be integrated in the ending ride phase (left: TaxiDriver perspective; right: Passenger perspective)

Chapter 2

Individual Steps and Test Description

2.1 Individual Steps and Test Description

2.1.1 Registration

Table 2.1: Integration Test Case I1

Test Case Identifier	I1
Test Items	RegistrationManager -> MailNotifier
Input Specification	Create typical RegistrationManager input
Output Specification	Check if the correct functions are called in the MailNotifier
Enviromentals Needs	RegistrationManager driver

Table 2.2: Integration Test Case I2

Test Case Identifier	I2
Test Items	RegistrationManager -> PersonalDataManager
Input Specification	Create typical RegistrationManager input
Output Specification	Check if the correct functions are called in the PersonalDataManager
Enviromentals Needs	RegistrationManager driver

Table 2.3: Integration Test Case I3

Test Case Identifier	I3
Test Items	RegistrationManager -> PaymentDataManager
Input Specification	Create typical RegistrationManager input
Output Specification	Check if the correct functions are called in the PaymentDataManager
Enviromentals Needs	RegistrationManager driver

Table 2.4: Integration Test Case I4

Test Case Identifier	I4
Test Items	RegistrationManager -> PasswordDataManager
Input Specification	Create typical RegistrationManager input
Output Specification	Check if the correct functions are called in the PasswordDataManager
Enviromentals Needs	RegistrationManager driver

Table 2.5: Integration Test Case I5

Test Case Identifier	I5
Test Items	RegistrationManager -> ApplicationDAO
Input Specification	Create typical RegistrationManager input
Output Specification	Check if the correct functions are called in the ApplicationDAO
Enviromentals Needs	RegistrationManager driver

Table 2.6: Integration Test Case I6

Test Case Identifier	I6
Test Items	GuestManager -> RegistrationManager
Input Specification	Create typical GuestManager input
Output Specification	Check if the correct functions are called in the RegistrationManager
Enviromentals Needs	GuestManager driver

Table 2.7: Integration Test Case I7

Test Case Identifier	I7
Test Items	RequestDispatcher -> GuestManager
Input Specification	Create typical RequestDispatcher input
Output Specification	Check if the correct functions are called in the GuestManager
Enviromentals Needs	RequestDispatcher driver

Table 2.8: Integration Test Case I8

Test Case Identifier	I8
Test Items	CommandMediator -> RequestDispatcher
Input Specification	Create typical CommandMediator input
Output Specification	Check if the correct functions are called in the RequestDispatcher
Enviromentals Needs	CommandMediatordriver

Table 2.9: Integration Test Case I9

Test Case Identifier	I9
Test Items	MyTaxiServiceApp -> CommandMediator
Input Specification	Create typical MyTaxiServiceApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceApp driver

Table 2.10: Integration Test Case I10

Test Case Identifier	I10
Test Items	MyTaxiServiceWebApp -> CommandMediator
Input Specification	Create typical MyTaxiServiceWebApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceWebApp driver

2.1.2 Login

Table 2.11: Integration Test Case I11

Test Case Identifier	I11
Test Items	SessionManager -> SessionDAO
Input Specification	Create typical SessionManager input
Output Specification	Check if the correct functions are called in the SessionDAO
Enviromentals Needs	SessionManager driver

Table 2.12: Integration Test Case I12

Test Case Identifier	I12
Test Items	LoginManager -> ApplicationDAO
Input Specification	Create typical LoginManager input
Output Specification	Check if the correct functions are called in the ApplicationDAO
Enviromentals Needs	LoginManager driver

Table 2.13: Integration Test Case I13

Test Case Identifier	I13
Test Items	RegistrationManager -> SessionManager
Input Specification	Create typical RegistrationManager input
Output Specification	Check if the correct functions are called in the SessionManager
Enviromentals Needs	RegistrationManager driver

Table 2.14: Integration Test Case I14

Test Case Identifier	I14
Test Items	GuestManager → LoginManager
Input Specification	Create typical GuestManager input
Output Specification	Check if the correct functions are called in the LoginManager
Enviromentals Needs	GuestManager driver

Table 2.15: Integration Test Case I15

Test Case Identifier	I15
Test Items	RequestDispatcher → GuestManager
Input Specification	Create typical RequestDispatcher input
Output Specification	Check if the correct functions are called in the GuestManager
Enviromentals Needs	RequestDispatcher driver

Table 2.16: Integration Test Case I16

Test Case Identifier	I16
Test Items	CommandMediator → RequestDispatcher
Input Specification	Create typical CommandMediator input
Output Specification	Check if the correct functions are called in the RequestDispatcher
Enviromentals Needs	CommandMediatordriver

Table 2.17: Integration Test Case I17

Test Case Identifier	I17
Test Items	MyTaxiServiceApp → CommandMediator
Input Specification	Create typical MyTaxiServiceApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceApp driver

Table 2.18: Integration Test Case I18

Test Case Identifier	I18
Test Items	MyTaxiServiceWebApp → CommandMediator
Input Specification	Create typical MyTaxiServiceWebApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceWebApp driver

2.1.3 Request a Taxi

Table 2.19: Integration Test Case I19

Test Case Identifier	I19
Test Items	RideFactory \rightarrow ZoneTaxiQueuesManager
Input Specification	Create typical RideFactory input
Output Specification	Check if the correct functions are called in the ZoneTaxiQueuesManager
Enviromentals Needs	RideFactory driver

Table 2.20: Integration Test Case I20

Test Case Identifier	I20
Test Items	RideFactory \rightarrow ETACalculator
Input Specification	Create typical RideFactory input
Output Specification	Check if the correct functions are called in the ETACalculator
Enviromentals Needs	RideFactory driver

Table 2.21: Integration Test Case I21

Test Case Identifier	I21
Test Items	PassengerManager \rightarrow RideFactory
Input Specification	Create typical PassengerManager input
Output Specification	Check if the correct functions are called in the RideFactory
Enviromentals Needs	PassengerManager driver

Table 2.22: Integration Test Case I22

Test Case Identifier	I22
Test Items	PassengerManager -> PushNotifier
Input Specification	Create typical PassengerManager input
Output Specification	Check if the correct functions are called in the PushNotifier
Enviromentals Needs	PassengerManager driver

Table 2.23: Integration Test Case I23

Test Case Identifier	I23
Test Items	RequestDispatcher-> PassengerManager
Input Specification	Create typical RequestDispatcher input
Output Specification	Check if the correct functions are called in the PassengerManager
Enviromentals Needs	RequestDispatcher driver

Table 2.24: Integration Test Case I24

Test Case Identifier	I24
Test Items	CommandMediator-> RequestDispatcher
Input Specification	Create typical CommandMediator input
Output Specification	Check if the correct functions are called in the RequestDispatcher
Enviromentals Needs	CommandMediator driver

Table 2.25: Integration Test Case I25

Test Case Identifier	I25
Test Items	MyTaxiServiceApp -> CommandMediator
Input Specification	Create typical MyTaxiServiceApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceApp driver

Table 2.26: Integration Test Case I26

Test Case Identifier	I26
Test Items	MyTaxiServiceWebApp -> CommandMediator
Input Specification	Create typical MyTaxiServiceWebApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceWebApp driver

Table 2.27: Integration Test Case I27

Test Case Identifier	I27
Test Items	AvailabilityManager -> ZoneTaxiQueuesManager
Input Specification	Create typical AvailabilityManager input
Output Specification	Check if the correct functions are called in the ZoneTaxiQueuesManager
Enviromentals Needs	AvailabilityManager driver

Table 2.28: Integration Test Case I28

Test Case Identifier	I28
Test Items	AvailabilityManager-> ApplicationDAO
Input Specification	Create typical AvailabilityManager input
Output Specification	Check if the correct functions are called in the ApplicationDAO
Enviromentals Needs	AvailabilityManager driver

Table 2.29: Integration Test Case I29

Test Case Identifier	I29
Test Items	TaxiDriverManager -> AvailabilityManager
Input Specification	Create typical TaxiDriverManager input
Output Specification	Check if the correct functions are called in the AvailabilityManager
Enviromentals Needs	TaxiDriverManager driver

Table 2.30: Integration Test Case I30

Test Case Identifier	I30
Test Items	RequestDispatcher -> TaxiDriverManager
Input Specification	Create typical RequestDispatcher input
Output Specification	Check if the correct functions are called in the TaxiDriverManager
Enviromentals Needs	RequestDispatcher driver

Table 2.31: Integration Test Case I31

Test Case Identifier	I31
Test Items	CommandMediator -> RequestDispatcher
Input Specification	Create typical CommandMediator input
Output Specification	Check if the correct functions are called in the RequestDispatcher
Enviromentals Needs	CommandMediator driver

Table 2.32: Integration Test Case I32

Test Case Identifier	I32
Test Items	MyTaxiServiceApp -> CommandMediator
Input Specification	Create typical MyTaxiServiceApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceApp driver

2.1.4 Start a Ride

Table 2.33: Integration Test Case I33

Test Case Identifier	I33
Test Items	ZoneTaxiQueuesManager-> Queuer
Input Specification	Create typical ZoneTaxiQueuesManager input
Output Specification	Check if the correct functions are called in the Queuer
Enviromentals Needs	ZoneTaxiQueuesManager driver

Table 2.34: Integration Test Case I34

Test Case Identifier	I34
Test Items	SalesManager-> EuroTimer
Input Specification	Create typical SalesManager input
Output Specification	Check if the correct functions are called in the EuroTimer
Enviromentals Needs	SalesManager driver

Table 2.35: Integration Test Case I35

Test Case Identifier	I35
Test Items	AvailabilityManager -> ZoneTaxiQueuesManager
Input Specification	Create typical AvailabilityManager input
Output Specification	Check if the correct functions are called in the ZoneTaxiQueuesManager
Enviromentals Needs	AvailabilityManager driver

Table 2.36: Integration Test Case I36

Test Case Identifier	I36
Test Items	AvailabilityManager-> ApplicationDAO
Input Specification	Create typical AvailabilityManager input
Output Specification	Check if the correct functions are called in the ApplicationDAO
Enviromentals Needs	AvailabilityManager driver

Table 2.37: Integration Test Case I37

Test Case Identifier	I37
Test Items	Taximeter-> EuroTimer
Input Specification	Create typical Taximeter input
Output Specification	Check if the correct functions are called in the EuroTimer
Enviromentals Needs	Taximeter driver

Table 2.38: Integration Test Case I38

Test Case Identifier	I38
Test Items	Taximeter-> TimeTimer
Input Specification	Create typical Taximeter input
Output Specification	Check if the correct functions are called in the TimeTimer
Enviromentals Needs	Taximeter driver

Table 2.39: Integration Test Case I39

Test Case Identifier	I39
Test Items	TaxiDriverManager -> AvailabilityManager
Input Specification	Create typical TaxiDriverManager input
Output Specification	Check if the correct functions are called in the AvailabilityManager
Enviromentals Needs	TaxiDriverManager driver

Table 2.40: Integration Test Case I40

Test Case Identifier	I40
Test Items	TaxiDriverManager-> PushNotifier
Input Specification	Create typical TaxiDriverManager input
Output Specification	Check if the correct functions are called in the PushNotifier
Enviromentals Needs	TaxiDriverManager driver

Table 2.41: Integration Test Case I41

Test Case Identifier	I41
Test Items	TaxiDriverManager → SessionManager
Input Specification	Create typical TaxiDriverManager input
Output Specification	Check if the correct functions are called in the ZoneTaxiQueuesManager
Enviromentals Needs	TaxiDriverManager driver

Table 2.42: Integration Test Case I42

Test Case Identifier	I42
Test Items	TaxiDriverManager → SMSNotifier
Input Specification	Create typical TaxiDriverManager input
Output Specification	Check if the correct functions are called in the SMSNotifier
Enviromentals Needs	TaxiDriverManager driver

Table 2.43: Integration Test Case I43

Test Case Identifier	I43
Test Items	TaxiDriverManager → Taximeter
Input Specification	Create typical TaxiDriverManager input
Output Specification	Check if the correct functions are called in the Taximeter
Enviromentals Needs	TaxiDriverManager driver

Table 2.44: Integration Test Case I44

Test Case Identifier	I44
Test Items	RequestDispatcher -> TaxiDriverManager
Input Specification	Create typical RequestDispatcher input
Output Specification	Check if the correct functions are called in the TaxiDriverManager
Enviromentals Needs	RequestDispatcher driver

Table 2.45: Integration Test Case I45

Test Case Identifier	I45
Test Items	CommandMediator -> RequestDispatcher
Input Specification	Create typical CommandMediator input
Output Specification	Check if the correct functions are called in the RequestDispatcher
Enviromentals Needs	CommandMediator driver

Table 2.46: Integration Test Case I46

Test Case Identifier	I46
Test Items	MyTaxiServiceApp -> CommandMediator
Input Specification	Create typical MyTaxiServiceApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceApp driver

Table 2.47: Integration Test Case I48

Test Case Identifier	I47
Test Items	EuroTimer -> SalesManager
Input Specification	Create typical EuroTimer input
Output Specification	Check if the correct functions are called in the SalesManager
Enviromentals Needs	EuroTimer driver

Table 2.48: Integration Test Case I48

Test Case Identifier	I48
Test Items	Taximeter-> EuroTimer
Input Specification	Create typical Taximeter input
Output Specification	Check if the correct functions are called in the EuroTimer
Enviromentals Needs	Taximeterdriver

Table 2.49: Integration Test Case I49

Test Case Identifier	I49
Test Items	Taximeter-> TimeTimer
Input Specification	Create typical Taximeter input
Output Specification	Check if the correct functions are called in the TimeTimer
Enviromentals Needs	Taximeter driver

Table 2.50: Integration Test Case I50

Test Case Identifier	I50
Test Items	PassengerManager -> Taximeter
Input Specification	Create typical PassengerManager input
Output Specification	Check if the correct functions are called in the Taximeter
Enviromentals Needs	PassengerManager driver

Table 2.51: Integration Test Case I51

Test Case Identifier	I51
Test Items	RequestDispatcher -> PassengerManager
Input Specification	Create typical RequestDispatcher input
Output Specification	Check if the correct functions are called in the PassengerManager
Enviromentals Needs	RequestDispatcher driver

Table 2.52: Integration Test Case I52

Test Case Identifier	I52
Test Items	CommmandMediator -> RequestDispatcher
Input Specification	Create typical CommmandMediator input
Output Specification	Check if the correct functions are called in the RequestDispatcher
Enviromentals Needs	CommmandMediator driver

Table 2.53: Integration Test Case I53

Test Case Identifier	I53
Test Items	MyTaxiServiceApp -> CommandMediator
Input Specification	Create typical MyTaxiServiceApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceApp driver

Table 2.54: Integration Test Case I54

Test Case Identifier	I54
Test Items	MyTaxiServiceWebApp -> CommandMediator
Input Specification	Create typical MyTaxiServiceWebApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceWebApp driver

2.1.5 Finish a Ride

Table 2.55: Integration Test Case I55

Test Case Identifier	I55
Test Items	ZoneTaxiQueuesManager -> Queuer
Input Specification	Create typical ZoneTaxiQueuesManager input
Output Specification	Check if the correct functions are called in the Queuer
Enviromentals Needs	ZoneTaxiQueuesManager driver

Table 2.56: Integration Test Case I56

Test Case Identifier	I56
Test Items	AvailabilityManager-> Queuer
Input Specification	Create typical AvailabilityManager input
Output Specification	Check if the correct functions are called in the Queuer
Enviromentals Needs	AvailabilityManager driver

Table 2.57: Integration Test Case I57

Test Case Identifier	I57
Test Items	AvailabilityManager -> ApplicationDAO
Input Specification	Create typical AvailabilityManager input
Output Specification	Check if the correct functions are called in the ApplicationDAO
Enviromentals Needs	AvailabilityManager driver

Table 2.58: Integration Test Case I58

Test Case Identifier	I58
Test Items	TaxiDriverManager → AvailabilityManager
Input Specification	Create typical TaxiDriverManager input
Output Specification	Check if the correct functions are called in the AvailabilityManager
Enviromentals Needs	TaxiDriverManager driver

Table 2.59: Integration Test Case I59

Test Case Identifier	I59
Test Items	TaxiDriverManager → PushNotifier
Input Specification	Create typical TaxiDriverManager input
Output Specification	Check if the correct functions are called in the PushNotifier
Enviromentals Needs	TaxiDriverManager driver

Table 2.60: Integration Test Case I60

Test Case Identifier	I60
Test Items	TaxiDriverManagermeter → SessionManager
Input Specification	Create typical TaxiDriverManager input
Output Specification	Check if the correct functions are called in the SessionManager
Enviromentals Needs	TaxiDriverManager driver

Table 2.61: Integration Test Case I61

Test Case Identifier	I61
Test Items	TaxiDriverManager → SMSNotifier
Input Specification	Create typical TaxiDriverManager input
Output Specification	Check if the correct functions are called in the SMSNotifier
Enviromentals Needs	TaxiDriverManager driver

Table 2.62: Integration Test Case I62

Test Case Identifier	I62
Test Items	RequestDispatcher → TaxiDriverManager
Input Specification	Create typical RequestDispatcher input
Output Specification	Check if the correct functions are called in the TaxiDriverManager
Enviromentals Needs	RequestDispatcher driver

Table 2.63: Integration Test Case I63

Test Case Identifier	I63
Test Items	CommandMediator -> RequestDispatcher
Input Specification	Create typical CommandMediator input
Output Specification	Check if the correct functions are called in the RequestDispatcher
Enviromentals Needs	CommandMediator driver

Table 2.64: Integration Test Case I64

Test Case Identifier	I64
Test Items	MyTaxiServiceApp -> CommandMediator
Input Specification	Create typical MyTaxiServiceApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceApp driver

Table 2.65: Integration Test Case I65

Test Case Identifier	I65
Test Items	RideManager -> PaymentManager
Input Specification	Create typical RideManager input
Output Specification	Check if the correct functions are called in the PaymentManager
Enviromentals Needs	RideManager driver

Table 2.66: Integration Test Case I66

Test Case Identifier	I66
Test Items	ProfileManager -> ApplicationDAO
Input Specification	Create typical ProfileManager input
Output Specification	Check if the correct functions are called in the ApplicationDAO
Enviromentals Needs	ProfileManager driver

Table 2.67: Integration Test Case I67

Test Case Identifier	I67
Test Items	ProfileManager -> RideManager
Input Specification	Create typical ProfileManager input
Output Specification	Check if the correct functions are called in the RideManager
Enviromentals Needs	ProfileManager driver

Table 2.68: Integration Test Case I68

Test Case Identifier	I68
Test Items	PassengerManager -> ProfileManager
Input Specification	Create typical PassengerManager input
Output Specification	Check if the correct functions are called in the ProfileManager
Enviromentals Needs	PassengerManager driver

Table 2.69: Integration Test Case I69

Test Case Identifier	I69
Test Items	RequestDispatcher -> PassengerManager
Input Specification	Create typical RequestDispatcher input
Output Specification	Check if the correct functions are called in the PassengerManager
Enviromentals Needs	RequestDispatcher driver

Table 2.70: Integration Test Case I70

Test Case Identifier	I70
Test Items	CommmandMediator -> RequestDispatcher
Input Specification	Create typical CommmandMediator input
Output Specification	Check if the correct functions are called in the RequestDispatcher
Enviromentals Needs	CommmandMediator driver

Table 2.71: Integration Test Case I71

Test Case Identifier	I71
Test Items	MyTaxiServiceApp -> CommandMediator
Input Specification	Create typical MyTaxiServiceApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceApp driver

Table 2.72: Integration Test Case I72

Test Case Identifier	I72
Test Items	MyTaxiServiceWebApp -> CommandMediator
Input Specification	Create typical MyTaxiServiceWebApp input
Output Specification	Check if the correct functions are called in the CommandMediator
Enviromentals Needs	MyTaxiServiceWebApp driver

Chapter 3

Tools and Test Equipment Required

3.1 Tools and Test Equipment Required

- **GreenMail** (fake email server): <https://github.com/greenmail-mail-test/greenmail>
- **Mockito** (driver creator): <http://mockito.org/>

Chapter 4

Program Stubs and Test Data Required

4.1 Program Stubs and Test Data Required

As mentioned in chapters 1 and 2, due to the bottom-up testing approach, every test needs a driver to call the related module to be tested.

Appendix A

Document Information

A.1 Effort

Approximately **10 hours** have been spent making this document.

A.2 Tool Used

- **LYX**: www.lyx.org

Appendix B

References

- [1] Latest RASD document in:
<https://github.com/SardellaMoreno/MyTaxiService/tree/master/Deliveries>
- [2] latest DD document:
<https://dl.dropboxusercontent.com/u/79082424/DD-version3.pdf>
- [3] Assignment 4 - integration test plan
<https://dl.dropboxusercontent.com/u/79082424/Assignment%204%20-%20integration%20test%20p>