

POLYTECHNIC UNIVERSITY OF MILAN

School of Industrial and Information Engineering

Computer Science and Engineering



Project of Software Engineering 2:

MyTaxi Service

Integration Test Plan Document

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Chapter 1

Introduction

1.1 Revision History

1.2 Purpose

1.3 Scope

1.4 List of Definitions and Abbreviations

1.5 List of Reference Documents

1.6 Document Overview

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 & Test Description

3.1 Test case specifications

Integration test case I1

Test Case Identifier	I1T1
Test Item	Visitor managedBeans → Visitor Manager
Input Specification	Create typical Visitor managedBeans input
Output Specification	Check if the correct methods are called in the Visitor Manager
Environmental Needs	Client driver

Integration test case I2

Test Case Identifier	I2T1
Test Item	Passenger managedBeans → Passenger Manager
Input Specification	Create typical Passenger managedBeans input
Output Specification	Check if the correct methods are called in the Passenger Manager
Environmental Needs	Client driver

Integration test case I3

Test Case Identifier	I3T1
Test Item	TaxiDriver managedBeans → TaxiDriver Manager
Input Specification	Create typical TaxiDriver managedBeans input
Output Specification	Check if the correct methods are called in the TaxiDriver Manager
Environmental Needs	Client driver

Integration test case I4

Test Case Identifier	I4T1
Test Item	Developer managedBeans → Developer Manager
Input Specification	Create typical Developer managedBeans input
Output Specification	Check if the correct methods are called in the Developer Manager
Environmental Needs	Client driver

Integration test case I5

Test Case Identifier	I5T1
Test Item	Passenger Manager → Calls Manager
Input Specification	Create typical Passenger Manager input
Output Specification	Check if the correct methods are called in the Calls Manager
Environmental Needs	I2 succeeded

Test Case Identifier	I5T2
Test Item	TaxiDriver Manager → Calls Manager
Input Specification	Create typical TaxiDriver Manager input
Output Specification	Check if the correct methods are called in the Calls Manager
Environmental Needs	I3 succeeded

Integration test case I6

Test Case Identifier	I6T1
Test Item	Passenger Manager → Ride Manager
Input Specification	Create typical Passenger Manager input
Output Specification	Check if the correct methods are called in the Ride Manager
Environmental Needs	I2 succeeded

Test Case Identifier	I6T2
Test Item	TaxiDriver Manager → Ride Manager
Input Specification	Create typical TaxiDriver Manager input
Output Specification	Check if the correct methods are called in the Ride Manager
Environmental Needs	I3 succeeded

Test Case Identifier	I6T3
Test Item	Calls Manager → Ride Manager
Input Specification	Create typical Calls Manager input
Output Specification	Check if the correct methods are called in the Ride Manager
Environmental Needs	I2, I3, I5 succeeded

Integration test case I7

Test Case Identifier	I7T1
Test Item	Visitor Manager → Java Persistence
Input Specification	Create typical Visitor Manager input
Output Specification	Check if the correct methods are called in the Persistence Module
Environmental Needs	I1 succeeded

Test Case Identifier	I7T2
Test Item	Passenger Manager → Java Persistence
Input Specification	Create typical Passenger Manager input
Output Specification	Check if the correct methods are called in the Persistence Module
Environmental Needs	I2 succeeded

Test Case Identifier	I7T3
Test Item	TaxiDriver Manager → Java Persistence
Input Specification	Create typical TaxiDriver Manager input
Output Specification	Check if the correct methods are called in the Persistence Module
Environmental Needs	I3 succeeded

Test Case Identifier	I7T4
Test Item	Developer Manager → Java Persistence
Input Specification	Create typical Developer Manager input
Output Specification	Check if the correct methods are called in the Persistence Module
Environmental Needs	I4 succeeded

Test Case Identifier	I7T5
Test Item	Calls Manager → Java Persistence
Input Specification	Create typical Calls Manager input
Output Specification	Check if the correct methods are called in the Persistence Module
Environmental Needs	I2, I3 and I5 succeeded

Test Case Identifier	I7T6
Test Item	Ride Manager → Java Persistence
Input Specification	Create typical Ride Manager input
Output Specification	Check if the correct methods are called in the Persistence Module
Environmental Needs	I2, I3, I5 and I6 succeeded

3.2 Test procedures

Chapter 4

Tools & Test Equipment Required

Chapter 5

Program Stubs & Test Data Required