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Software Engineering 2: “myTaxiService”
Integration **T**est **P**lan **D**ocument

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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

- *UI*: User Interface.

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:

- Database:
 - Accounts
 - Active Reservations and Requests
- Web Server:
 - DBConnector
 - APIBackend
 - WebpageCreator
 - NotificationModule
 - HttpHandler
- UI:

- ClientUI
- DriverUI
- AdminUI

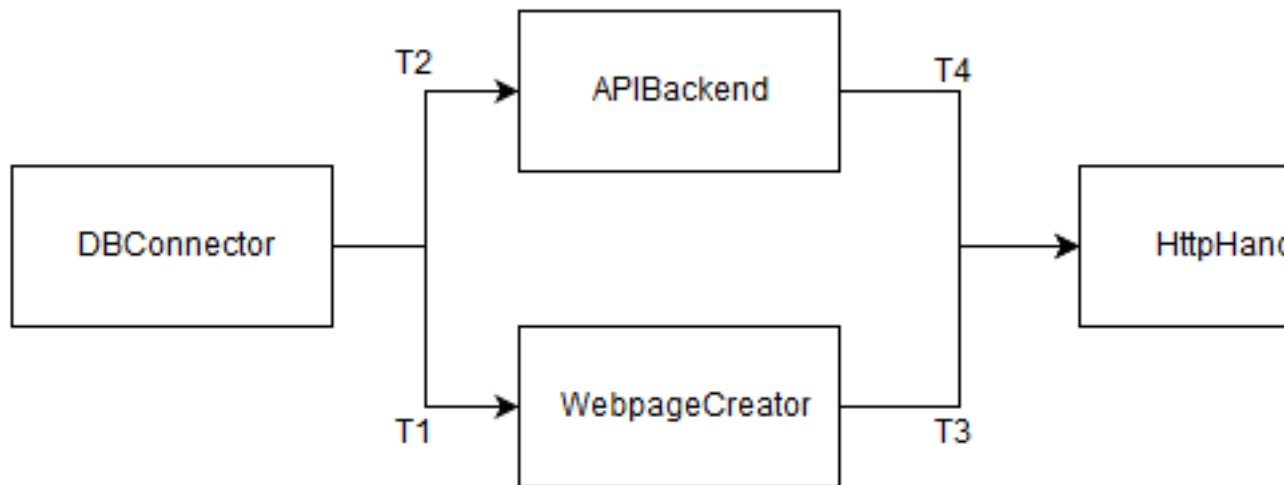
2.3 Integration Testing Strategy

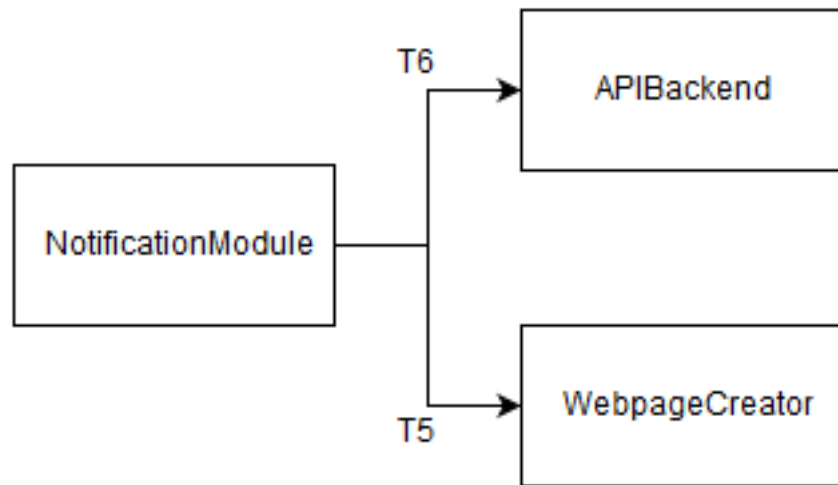
The decided testing approach is bottom-up.

2.4 Sequence of Component/Function Integration

2.4.1 Software Integration Sequence

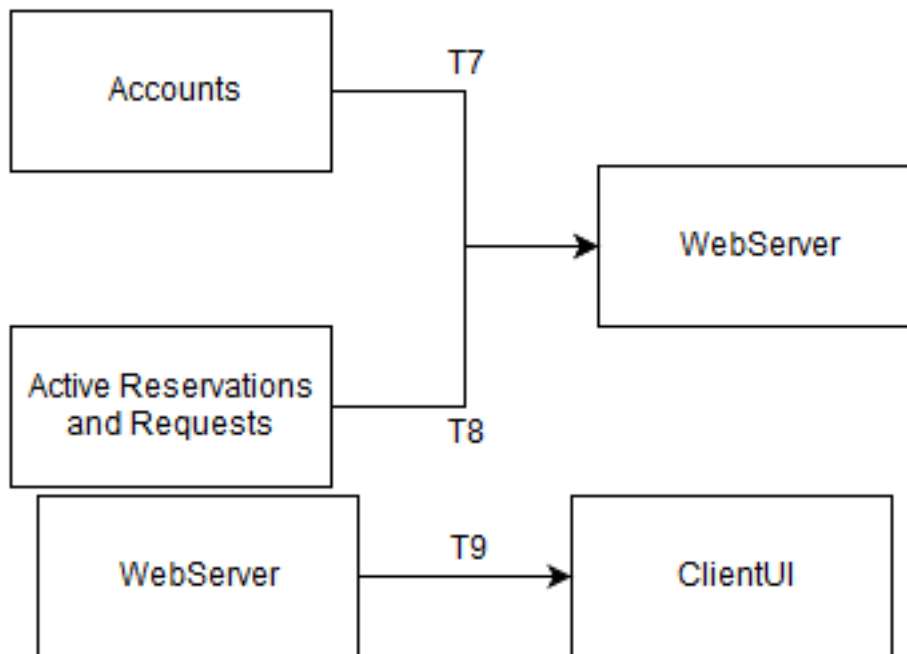
2.4.1.1 Web Server The following images describe how the Web Server's components will be integrated for testing. The arrows represent the order of integration.

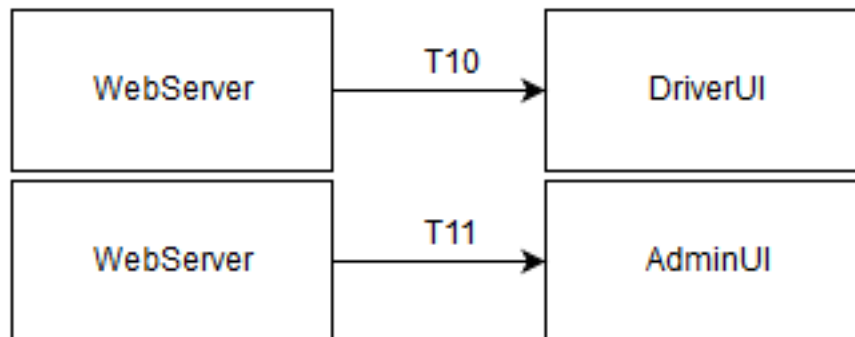




2.4.2 Subsystem Integration Sequence

The following graphs describe how the three components of myTaxiService application, which are the database, the Web Server and the various UIs, will be integrated.





3 Individual Steps and Test Description

3.1 T7

Test Case Identifier	T7
Test Items	Accounts → WebServer
Input Specification	
Output Specification	
Environmental Needs	

Test Case Identifier
Test Items
Input Specification
Output Specification
Environmental Needs

Test Case Identifier
Test Items
Input Specification
Output Specification
Environmental Needs

Test Case Identifier

Test Items

Input Specification

Output Specification

Environmental Needs

4 Tools and Test Equipment Required

5 Program Stubs and Test Data Required