# Test Plan Document

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# Introduction

## 1.1 Revision History

First version of the ITPD document.

## 1.2 Purpose and Scope

This document aims to describe, specify and analyze the integration test strategy for *My Taxi Service*, in terms of which components/classes to integrate,the chosen typology of testing and a general schedule to do it, accordingly to what we enstablished in the previous assignments .

## 1.3 List of Definitions and Abbreviations

## 1.4 List of Reference Documents

- The project description.
- Our RASD document.
- Ou DD document.

# Integration strategy

## 2.1 Entry criteria

Due to start an integration test two constraints must be satisfied: the major classes must be covered by ,at least , a 60 percent of unit test, while for the others a 30 percent is sufficient.

## 2.2 Elements to be integrated

In our case element is synonym of class; now we're going to show the classes that need integration test in order to be sure that our application will work correctly.

Ridesmanager : it needs to be integrated with:

Ride, Sharedride : in order to store information about the actived rides

Taxiqueue : in order to take information of available taxis in case of taxi request.

Controller : in order to exchange information about user's( and also guest's) requests

Controller : it needs to be integrated with:

User : in order to create an ad-hoc Controller and to retrieve information about users

Servernetworkinterface : in order to communicate with the corresponding client side

Servernetworkinterface : it needs to be integrated with:

Clientmessage : in order to read client's messages

Servermessage : in order to send messages to the client

Activity : it needs to be integrated with

Action : in order to provides the allowed actions

Userinterface : in order to provide the set of items this class needs to show

Action : it needs to be integrated with the Clientnetworkinterface in order to send requests to the server

Userinterface : it needs to be integrated with the Clientnetworkinterface in order to show the right Activity according to the server message

Clientnetworkinterface : it needs to be integrated with:

Clientmessage : in order to send messages to the server

Servermessage : in order to read server's messages

## 2.3 Integration testing strategy

In this section we will explain how we plan the integration test in order to build, as soon as possible, a running application with few working features; this will allow us to easly show our progress to the customer, and also , in case of delay, to launch a working application, also with missing requirements. In order to reach our goal we decide to apply a bottom-up method for integration test and top down method for unit test.

## 2.4 Sequence of component/Function integration

### 2.4.1 Software integration sequence

### 2.4.2 Subsystem integration sequence

# Individual steps and Test description

# Tools and testing equipment required

# Program stubs and test data required