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Software Engineering 2: My Taxi Service
Integration **T**esting **P**lan **D**ocument

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1 Introduction

1.1 Revision History

- 15/01/2016 First redaction of the document

1.2 Purpose

The purpose of this document is to list all the tests that will be performed on the my taxi service application. In particular we will focus on the integration part, describing how the test will be executed, which components will be tested and in which order. We will also list all the tools used to perform the integration tests.

1.3 List of Reference Documents

- MyTaxiService requirements specification document
- MyTaxiService design document
- Assignment 4: integration test plan

2 Integration Strategy

2.1 Entry Criteria

Before integration tests may begin all the primary functions and components of the application must be finished and working. Specifically: registration, login, requests, reservation and taxi sharing functions must work as planned. To do so all the components listed in the design document must be working as well. Exception made for the user interface component.

2.2 Elements to be Integrated

The components to be integrated are:

- Client component
- Ride manager component
- User manager component.

For a more detailed description on how these components should work refer to architectural design section of the Design Document

2.3 Integration Testing Strategy

We will adopt a bottom-up testing strategy, integrating first the sub-components and later on the higher level. We choose this strategy because the sub-components of our system are independent one to each other and they can be integrated separately.

2.4 Sequence of Component/Function Integration

We've identified two subsystem to integrate: the controller subsystem and the client

2.4.1 Software Integration Sequence

2.4.2 Subsystem Integration Sequence

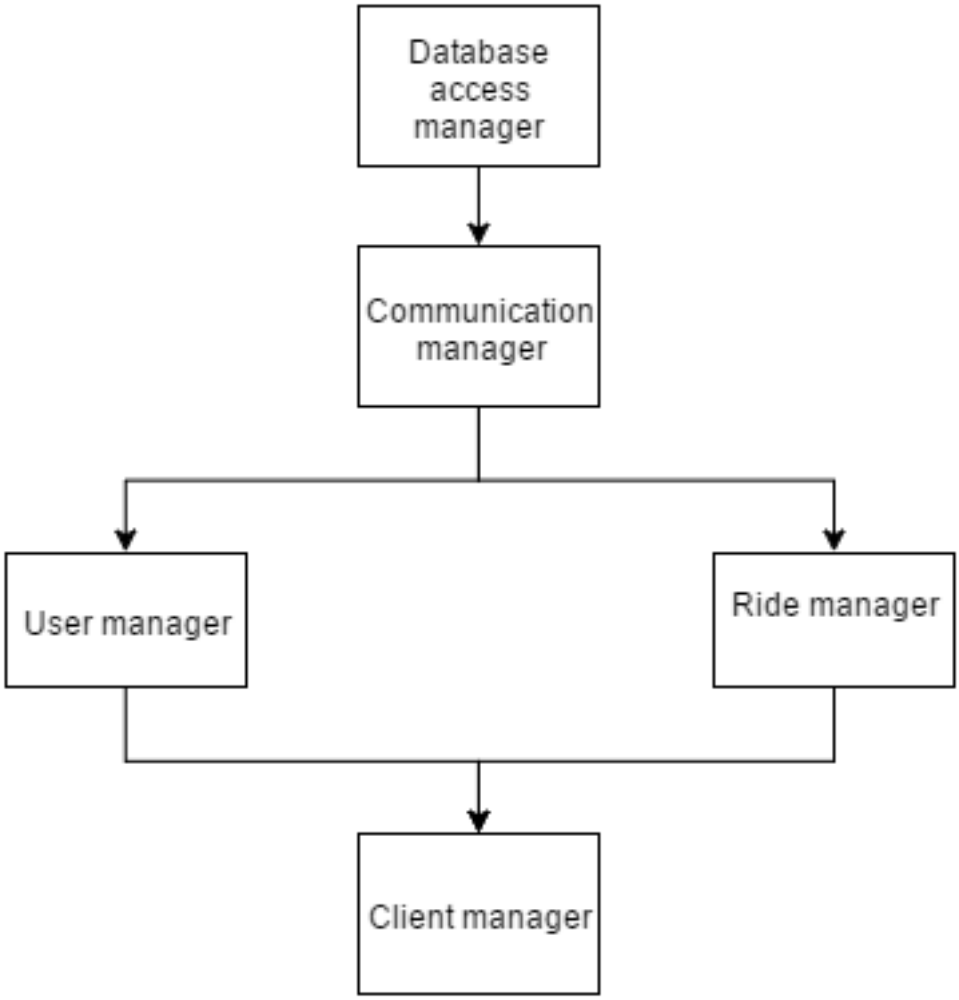

Figure 1: Controller subsystem

3 Individual Steps and Test Description

Test Procedure Identifier	DA DEFINIRE
Test Item(s)	primo agente → secondo agente
Input Specification	
Output Specification	
Environmental Needs	
Test Description	

4 Tools and Test Equipment Required

5 Program Stubs and Test Data Required