Introduction

1. Purpose

This software design document describes the architecture and system design of MyTaxiService.

1. Scope

This document contains a complete description of the design of MyTaxiService model.

The basic architecture is a web server characterized by different architectural styles and patterns: Model-View-Controller, Multi-tier, Distributed Objects, Publish-Subscribe, Service Oriented Architecture.

As concerns the language or implementation frameworks that shall be used we assume that such choices will be taken in later iterations.

1. Definitions, acronyms and abbreviations
2. Reference documents
3. Document structure

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The document is composed by 5 sections:

* Section 1: Architectural design, style and patterns

In this section is described the design of the document, high level components and how they interact between them (through UML diagrams). Then there is a deep description of the components through three points of view: component, deployment and runtime.

In the end of this section are described architectural styles and patterns which guides the architecture and how they have been adopted within this context.

* Section 2: Algorithm design

In this section are described the algorithms used to manage different parts of the system.

* Section 3: User interface design

In this section are showed and described the interfaces the user (both passenger and taxi driver) effectively sees through mobile application and web site.

* Section 4: Requirements traceability

In this section is showed how the requirements of the RASD are related to the architecture.

* Section 5: References