POLITECNICO
MILANO 1863

Politecnico di Milano
A.A. 2015/2016
Software Engineering 2: "*myTaxyService*"

# **D**esign **D**ocument

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November 18, 2015

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# 1 Introduction

## 1.1 Purpose

This document presents the architecture on which *myTaxiService* will be developed; it describes the decisions taken during the design process and justifies them. The whole design process is described including also the improvements and modifications to provide additional valuable informations in case of future changes of the architecture structure.

## 1.2 Scope

Accordingly to the definition of the architecture design this document will focus on the non functional requirements of *myTaxiService*. Since the system architecture defines constraints on the implementation this document will be used to provide fundamental guidelines in the development phase of *myTaxiService*.

## 1.3 Definitions, Acronyms, Abbreviations

## 1.4 Reference Documents

- Specification document: myTaxiService project
- Template for the Design Document
- IEEE Std 1016-2009 - IEEE Standard on Design Descriptions
- Requirements Analysis and Specification Document for *myTaxiService*

## 1.5 Document Structure

# 2 Architectural Design

## 2.1 Overview

## 2.2 High level components and their interaction

## 2.3 Component view

## 2.4 Deployment view

## 2.5 Runtime view

## 2.6 Component interfaces

## 2.7 Selected architectural styles and patterns

## 2.8 Other design decisions

# 3 Algorithm design

# 4 User Interface Design

# 5 Requirements Traceability

# 6 References