POLITECNICO
MILANO 1863

CLup - Customer Line Up

Software Engineering 2 Project 2020/21

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Contents

1 Introduction

A Purpose

The goal of this document (DD: Design Document) is to

B Scope

C Definitions, Acronyms, Abbreviations

C.1 Definitions

C.2 Acronyms

- RASD: Requirements Analysis and Specification Document
- GPS: Global Positioning System
- CLup: Customers Line-up
- DD: Design Document

C.3 Abbreviations

- Rn: requirement number n

D Revision History

E Reference Documents

- Specification Document: "R&DD Assignment AY 2020-2021.pdf"
- Slides of the lectures

F Document Structure

This DD in composed by 7 main sections:

- SECTION 1 is the introduction ...
- SECTION 2 contains the architectural design
- SECTION 3 with the user interface design
- SECTION 4 contains requirements traceability showing how the requirements described in the RASD map the design components identified in this document.
- SECTION 5 concerns the implementation, integration and testing. Here it is defined how the subcomponents should be implemented and integrated and which kinds of tests should be carried out on them.
- SECTION 6 contains a table with the effort spent by each member of the group.
- SECTION 7 references/tools.

2 Architectural Design

A Overview: High-level components and their interaction

B Component view

C Deployment view

D Runtime view

Here are proposed sequence diagrams in order to describe the way components interact with each other to accomplish specific tasks (the ones shown in the use cases of the RASD document).

D.1 oneSubsectionPerAction

E Component Interfaces

F Selected architectural styles and patterns

Explain which styles/patterns you used, why, and how

G Other design decisions

3 User Interface Design

4 Requirements Traceability

A External Interface Requirements

5 Implementation, Integration and Test Plan

A Implementation

B Integration

C Test plan

6 Effort Spent

Task	*Name*	*Time spent*
x	Francesco Attorre	h
x	Thomas Jean Bernard Bonenfant	h
x	Veronica Cardigliano	h
x	Francesco Attorre	h
x	Veronica Cardigliano	h
x	Veronica Cardigliano	h
x	Francesco Attorre	h
x	Thomas Jean Bernard Bonenfant	h
x	Veronica Cardigliano	h
x	Veronica Cardigliano	h
x	Thoma Jean Bernard Bonenfant	h

comments

7 Used Tools

Tools used to create this RASD document:

- StarUML: for all the UML diagrams
- LaTeX: to create the pdf
- GitHub: for the repo of the project
- GoogleDoc: for a shared editing of the document