



Politecnico di Milano  
Academic Year 2015/2016  
Software Engineering 2: “myTaxiService”  
Project Plan

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# 1 Estimation

## 1.1 Size estimation (Function points)

## 1.2 Effort and cost estimation (COCOMO)

# 2 Tasks

## 2.1 Tasks identification

The project has been divided up in four parts, each one with its own deadline, so the tasks will be separated into this four main groups.

- T1: Requirement Analysis and Specification Document
  - T1.1: Identification of actors
  - T1.2: Functional requirements specification
  - T1.3: Scenarios description
  - T1.4: UML diagrams
    - \* T1.4.1: Use case diagrams
    - \* T1.4.2: Sequence diagrams
    - \* T1.4.3: Class diagrams
    - \* T1.4.4: State machine diagrams
  - T1.5: Consistency checking using Alloy
- T2: Design Document
  - T2.1: Selection of components to be integrated
  - T2.2: Architectural style and patterns choice
  - T2.3: Expected runtime execution of algorithms
  - T2.4: Algorithms design
  - T2.5: User interface mockups
  - T2.6: Verify satisfaction of RASD requirements
- T3: Test Plan
  - T3.1: Choice of integration strategy
  - T3.2: Integration tests to be performed
- T4: Project Plan
  - T4.1: Size estimation
  - T4.2: Effort and cost estimation
  - T4.3: Tasks identification
  - T4.4: Tasks schedule
  - T4.5: Resources allocation

## 2.2 Schedule

Here's how we scheduled the various tasks during the period of development of the project and how we allocated the resources to them.

However, at the end of every main task, both of us reviewed each other's work, to make sure everything was correct.

Task ID	Activity	Resource	October 2015																					
			12	13	14	15	16	19	20	21	22	23	26	27	28	29	30	02	03	04	05	06	09	10
T1	Requirements Analysis and Specification Document	▼				T1																		
T1.1	Identification of actors	Both				T1.1																		
T1.2	Functional requirements specification	Both				T1.2																		
T1.3	Scenarios description	Massimo											T1.3											
▲T1.4	UML diagrams										T1.4													
T1.4.1	Use case diagram	Both								T1.4.1														
T1.4.2	Sequence diagrams	Marco										T1.4.2												
T1.4.3	Class diagram	Both									T1.4.3													
T1.4.4	State machine diagrams	Marco														T1.4.4								
T1.5	Consistency checking with Alloy	Massimo															T1.5							

			November 2015																						
Task ID	Activity	Resource	05	06	09	10	11	12	13	16	17	18	19	20	23	24	25	26	27	30	01	02	03	04	07
T2	Design Document	▼		T2																					
T2.1	Selection of components to be integrated	Massimo																							
T2.2	Architectural style and patterns choice	Massimo																							
T2.3	Expected runtime execution of algorithms	Marco																							
T2.4	Algorithms design	Marco																							
T2.5	User interface mockups	Marco																							
T2.6	Verify satisfaction of RASD requirements	Both																							

			January 2016																			
Task ID	Activity	Resource	31	01	04	05	06	07	08	11	12	13	14	15	18	19	20	21	22	25		
T3	Test Plan	▼																				
T3.1	Choice of integration strategy	Massimo																				
T3.2	Integration tests to be performed	Marco																				

Task ID	Activity	Resource	January 2016																			
			19	20	21	22	25	26	27	28	29	01	02	03								
<b>T4</b>	<b>Project Plan</b>	▼																				
T4.1	Size estimation	Massimo																				
T4.2	Effort and cost estimation	Massimo																				
T4.3	Tasks identification	Marco																				
T4.4	Tasks schedule	Marco																				
T4.5	Resources allocation	Marco																				

### 3 Project risks