PROJECT INITIATION DOCUMENT

20th September 2019

Distribution list

Name	**Position / organization**
Alessandro Morreira	Client
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Document Status Sheet

Document Status Sheet			
1. Title: Project Initiation Document:			
Number	Version	Date	Reason for change
1	0.01	02-10-2019	First edition

Document Change Report

Document Change Report			
1. Title: Project Initiation Document:			
Page	Paragraph	Author	Reason for change

Introduction

This document is part of the contract with the client. It should be final and any change should be approved by both parties.

Related documents

The following documents have been used:

- "Requirements Document ", provided by the client.

Goals of the project

Do all the requirements with good quality.

Constraints

None.

Description of the Project

In this project we intend to develop Web Services that support explanations to courses of higher education degrees. There must be at least two types of users, students who seek explanations and the explainers.

Explainers should give explanations to one or more courses and should inform his/her time availability (start time and end time) for each day. The explainer should also inform the languages in which he/she can give the explanations. The student seeking explanation should be able to search for explainers by the most varied criteria, being that, at least by courses, days, time periods, languages, separately or by conjunction of these criteria (search filters).

Finally, the system should allow a student to make an explanation appointment, with duration of 1 hour, to a given explainer. An explainer cannot attend more than one student at same time. The model should include the modelling of a university from the point of view of its colleges, degrees and courses. The project should be implemented in two phases:

• Phase 1: Develop a Web Service (WS1) that lets you manage system resources: create, update, and list explainers, colleges, degrees, and courses, and create attendances. A WS1 is an instance of a university.

• Phase 2: Develop a WS2 that allows to search multiple instances of WS1 (minimum 2). The services offered by WS2 should use the services exposed by the different WS1 instances registered.

Products

Identify the products to deliver, such as:

- Software
    - UML design

    - phase 1
    - phase 2
- Manuals and other documentation:
    - Project Initiation Document (PID)
    - User Requirements (URD)
    - Architecture Project (ADD)
    - Detailed Design (DDD)
    - Transfer (STP)
    - Tests

All the products are delivered in digital format only.

External dependencies

There aren't external dependencies.

Risks

Identify all risks for your project. See example:

Risk	probability	Impact	Measures
1. The group does not deliver products on time	low	high	Hard work
2- Losing data	Medium	High	Increase of backup's

Project organization

Participants and responsibilities'

Name	Function
Pedro Alves	Developer, tester.
Nikolaos Perris	Developer, logger.
Alvaro Magalhaes	Tester, developer.

Project management

Project management plans regular meetings between all team members and regular communication by telegram.

All activities are reported to the management, as any changes to what is planned.

The client does not take part in the meetings.

The following software is going to be used to manage the project:

- Project Management Software – Project Libre.
- Version Control – git and GitHub.
- Diagrams – Argo UML.
- Technology – Java with Springboot framework.

Quality management

(Document quality is performed in the following way:

- Revision by all group members. All functions described in the documentation should be tested.

Software quality is performed in the following way:

- Static verification of code.
- Dynamic verification of code.
- All functions should be tested, and the result recorded.

The project keeps internal records.

Project control

Project control is done in weekly meetings and with task owner's reports.

Changes to the project must be proposed and if approved and a new version of this document is to be issued.

Acquisition control

There are no acquisitions planned.

Contingency planning

Due to the low classification of risks there is no contingency planning.

Delay penalties

Both parties can have a delay up to 5 days without penalties. Bigger delays will decrease the final mark by 25%.

The project

The project runs from September 2019 to January 2020.

The project uses the following life cycle:

- Identification of user requirements

- Construction of all diagrams.
- First prototype.
- Revision and Testing of prototype.
- Approval of prototype.
- Development of final product.
- Revision and Testing of final product.
- Deliver to the client

Costs

There are no costs.

Description of resources

All resources are known tools.

Activities

Number	Activity	Description	People Involved	Effort
1	DIP	DIP – Project Initiation Document	Pedro Alves Nikolaos Perris Álvaro Magalhães	40% 30% 30%
2	Class Diagram	Diagram of classes for phase 1	Pedro Alves Nikolaos Perris Álvaro Magalhães	40% 30% 30%
3	First Prototype	Prototype Phase 1	TBA	TBA
4	Testing Prototype 1	Testing prototype 1	TBA	TBA
5	WS 1 Final Product	Develop of Phase 1 final product	TBA	TBA
6	Second Prototype	Prototype Phase 2		
7	Testing Prototype 2	Testing prototype 2		
8	WS 2 Final Product	Develop of Phase 2 final product		
9	Documentation			

Deliverables, milestones

- First Prototype – 31/10/2019

- Phase 1 Completed – 15/11/2019
- Second Prototype – 20/12/2019
- Phase 2 Completed – January 2020