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# **Software Requirements Specification**

**For**

## **English Course FCE** *An English e-learning course*

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## Revision History

<b>Name</b>	<b>Date</b>	<b>Reason For Changes</b>	<b>Version</b>
Pietro Bonetti	04/01/20	Document	0.1

# **1. Introduction**

## **1.1 Purpose**

The purpose of this project is to provide an online platform to be used by teachers and students of ITI Marconi. This platform will provide to teachers the instruments to create courses for their students to undertake them. The courses on this online platform will allow students to get a better learning of the subject.

## **1.2 Intended Audience and Reading Suggestions**

This SRS will be used by members of the teaching team to assist in the development of the project.

SRS contains a detailed description of the software development and required components with suggested feature inclusions.

The teacher team should start with the detailed description in Section 2, then proceed with the interface requirements in Section 4 to understand the implementation requirements.

## **1.3 Project Scope**

The general scope of the project is provide a software (as a service) that will provide a better learning experience for students and provide better teaching instruments for teachers. \* The service should be useful. \* The service should be convenient and easy to use. It should require no prior computer experience and be usable after a brief 1-minute introduction. Use of the service should not cause frustration or confusion.

# **2. Overall Description**

## **2.1 Product Perspective**

Through the MOODLE online platform, a course for learning the English language was created based on the FCE test (First Certificate of English), in which there are short lessons, exercises and summary tests.

The course is available to the Institute's English language teachers for use in the classroom, who will be able to have their pupils study and exercise in view of the actual exam.

Furthermore, it is possible to use another online platform, which is already connected within the course itself, such as Piazza, to allow teachers and pupils to interact, through questions and answers.

## **2.2 Personas**

### **2.2.1 Pietro Bonetti (Scrum Master)**

2.2.2 Diego Donatelli (Team Member)

2.2.3 Cristiano Picilli (Team Member)

2.2.4 Giovanni Rizzotti (Team Member)

2.2.5 Pietro Zecchin (Team Member)

## 2.3 Product Features

The product is divided into three parts, each of them is made up of a number of lessons (modifiable), with some exercises inside. At the end of each lesson you can choose whether to immediately perform the final quiz concerning the lesson or to proceed with the next lesson. The teacher of the course will be able to create and modify the lessons and tests according to his needs, he will also be able to assign a mark based on the score achieved for each pupil who finishes the quiz.

Within the course there is a link to an online platform, such as Piazza, which will allow prior registration to post questions and answers within a virtual class made up only of members of the physical class using the FCE course.

## 2.4 User Characteristics

Users of the English course are all pupils and teachers of the ITI G.Marconi, who will be able to access through their matriculation number (without leading zeroes) and their password which they use to access the Campus, as the FCE course is all inside the latter. Instead, to access Piazza, just click on the link within the course, as for login you will use the campus credentials.

## 2.5 Operating Environment

The project does not need a specific operating environment, it only requires the use of a web browser.

## 2.6 User Documentation

To accompany the delivery of the project there will be several instruction manuals to inform the teacher in the use of the courses. The manual will include instructions for operating each of the main features, as listed above.

# 3. System Features

*The English course can only be accessed by logging in through the Campus platform previously accessible.*

## 3.1 Viewing Screen

Since there is a difference between the teacher and the student, partially different screens will appear based on the authorizations obtained through the login.

## **4. External Interface Requirements**

### **4.1 User Interfaces**

The visible interfaces will change based on whether you are a teacher or a student. In the first case you will get the opportunity to create, edit and delete lessons and tests. In the second case, nothing can be done except to complete the activities created by the teacher.

### **4.2 Communications Interfaces**

MOODLE uses a communication interface that takes advantage of emails. It is designed to send messages in various situations.

## **5. Other Nonfunctional Requirements**

### **5.1 Performance Requirements**

The performance of the course depends on the quality of the internet connection you have.

### **5.2 Security Requirements**

The only security requirement is to not share your password with outsiders.

## **6. Optional Requirements**

*The only optional requirement is to already have a Piazza account.*