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Ingegneria del Software e Progettazione Web

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SPORTIFY

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# Software Requirement Specification

## Introduzione

### Aim of the document

The project aims to encourage people to practice a sport helping them choose the best sport for them and the gym where to practice it.

### Overview of the defined system

Sportify is mainly used by users to search for courses and gyms and for the latter also leave reviews on their service, while by gyms mainly to be able to add courses and schedules of the latter to their Sportify profile, now let's describe the guaranteed features:

* User:
* Search for sports
* Fill out the test to understand the sport that best suits you
* Find your nearest gym
* Writing reviews for popular gyms
* Gyms:
  + Add courses and timetables for these last
  + Read reviews for your gym
  + Delete possible unconstructive reviews

### Operational settings

There are many operating settings for Sportify; mainly the program will be used mobile application or computer program by: users looking for courses or gyms, users who want to understand the most suitable sport for them and gyms that want to advertise themselves to users.

For the development of the software, we used:

-Figma.com to get the HTML code of the storyboards.

-Star UML for the realization of diagrams related to the design of the system

-Scene Builder for creating FXML files to create the graphical interface (MVC views)

-JavaFX to manage and extend FXML files (MVC graphics controller)

-IntelliJ and especially Java as IDE and programming environment. To use the software, you have to extract the Sportify folder from the zip file and open it as a project in IntelliJ. In the folder there is already the .idea file to configure how to run the application. If this is not possible, the class with the responsibility for starting the application is MainAppLauncher.java.

### Related systems

Making a careful analysis of the competitors, although similar services are few, we have identified the two in particular: *nome1*, *nome2*.

• *Nome1*: *Cosa offre, in cosa è meglio Sportify*.

• *Nome2*: *Cosa offre, in cosa è meglio Sportify*.

## User Stories

**• As a new user, I want to discover which sport suits me and my needs best, so that I can start practicing it.**

**• As a user, I want to review my experience in a gym, so that it could be useful for other users.**

**• As a gym owner, I want to know which are the 10 most practiced sports in Italy, so that I can add them to my gym offer.**

**• As a new user, I want to know which are the gym with a selected sport in a range of choices, so that I do not waste time moving.**

**• As a user, I want to know the main information about a selected sport, so that I can decide whether to practice it or not.**

**• As a gym, I want to sponsor myself, so that I get greater visibility.**

• As a gym owner, I want to read the reviews made about my gym, so that I can modify and improve my gym offer.

• As a user, I want to keep note of which level I reached in the sports I practice, so that I can constantly improve myself.

## Functional Requirements

• **The system, based on specific questions, shall decide the best sport for the user’s needs.**

**• The system shall provide the possibility to read the reviews users made.**

**• The system shall provide all the gyms in a range of choice from a chosen location, in which they can practice the selected sport.**

**• The system shall create a list of the ten most practiced sports in Italy based on how many times a sport has been chosen.**

**• The system shall provide the main information about a selected sport.**

**• The system shall send an alert to the user who is searching for a particular sport, from the gyms that offer that sport and that is in a range of choice from a selected location**

• The system shall keep track of the level the user reaches in each sport.

• The system shall provide to review user’s experience in the gyms by adding a comment in the appropriate box on the gyms profile pages.

## Use Cases: Overview Diagram

# Storyboards

# Design

# Testing

# Code

# Analytics

# Video