# Sprint 1: “Set up the file structure, create the GitHub project, configuration of the Tomcat server and MySQL server, the Maven project, prepare the application.properties and the MySQL database and the Spring Beans”

* The objective during the first sprint is to create the first steps of our project, creating the file structure of it, creating our online repository and preparing the first steps into de application. We can separate the task in the following steps:

1. Create the Java project in Eclipse, and create the file structure.
2. Create the repository in GitHub, adding a readme file with the description of the project, its objectives, and more details.
3. Configure and test the Tomcat server, the MySQL server and the Maven project. Test the connection via the configuration file “application.properties”
4. Design and configure the database.
5. Start developing the Beans in Spring and the relationship of this with the database tables and columns

Estimated time to complete: 8 hours

# Sprint 2: “Developing of the repositories and services”

* Once the servers are configured, and the DB is ready to start to work with it, we need to start to develop the first points of our application:

1. Develop the Spring repositories, that we use later to interact with the DB in a easy way
2. Develop the Service, where we connect with the repositories and we configure the logic that we use our controllers to interact with the DB

Estimated time to complete: 8 hours

# Sprint 3: “Prepare the template files and the controllers. Testing the correct operation of the web app”

* With all the services ready, we need to create the controllers and the template that we will use as the model of our app:

1. We need to code all the .html files with all the views needed for the correct using of the web app with the help of Thymeleaf.
2. We need to code the controllers that we call to our templates.
3. Test the usability of the website, checking if all the requirements are correctly implemented:
   1. The users can create a user, list the products and make purchases
   2. The admin should be able to change his password if he wants, he should be able to:
   3. Manage the products in the store including categorizing them
   4. Browse the list of users who have signed up and be able to search users
   5. See purchase reports
   6. Upload the application to production

Estimated time to complete: 8 hours

More info about the project can be found in the GitHub project:

<https://github.com/FranciscoGP-telco/SportyShoes>