Project Plan

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## Project Link on gitlab:

<https://git.fhict.nl/I452279/s3-individualassignment>

## Version:

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| Version 1 | Working on the Project plan, Research for the topic of the project, Start working on the Back-end |
| Version 2 | Continue working on the Back-end, start working on the Front-end, Start working on the C4 document and Applied research document |
| Version 3 | Included database and connected with the application, Updated C4 diagram and Applied research document |
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## Introduction

My name is Hristo Kolev, I am an international student from Bulgaria, currently living and studying in Eindhoven, Netherlands at Fontys University of Applied Science. In the following document you will find all the main points about development of the Individual Assignment.

## Project description

The project that I will be working in the next 18 weeks is about online ticket ordering system for football matches. It will consist of 2 types of users (End-user(customer) and Organizational-user(admin)). The customer will be able to order tickets via website application to attend to the matches, while admin will be able to manage the prices, the number of the tickets and the places where the matches will be played.

## Goal

The goal for the project is to create a software solution using JavaScript, REST API service layer and Object Relational Mapping In addition the project will be created following the requirements for this semester, such as Continuous Integration/Delivery (CI/CD), Security and Tests.

## functional requirements

**Organizational- user**

### FR-01: Manage tickets – must have

The admin must be able to manage the tickets for the football matches

### fr-02: Manage football matches – must have

The admin must be able to manage the football matches

### fr-03: Authorize user – Must have

The user must be able to login as “Admin” in order to manage all the content if the website application

### Fr-04: View orders – Must have

The admin must be able to view and filter all the orders

**End- user**

### FR-05: Authenticate user – must have

The user must be able to register and login as a “Customer”

### Fr-06: View Football matches – Must have

The user must be able to view and filter all the matches

### Fr-07: Order ticket for a match – Must have

The user must be able to order a ticket for a football match

### Fr-08: View order history – Must have

The user must be able to view his previous orders

### Fr-09: Check out – Must have

The user must be able to pay for the tickets

### Fr-10: Manage personal information– Must have

The user must be able to manage his personal information

### Fr-11: logout – Must have

The user must be able to logout from his personal account

## non-functional requirements

### Security

### documentation

### Maintainability

### Usability

### performance

## Project Plan

### Process

The project workflow will be done in agile, so there will be a lot of room for feedback. The working process will have 2 phases:

* **Before Feedback**

- Work on the Documentation (changes, new features)

- Set priorities for the current Spring and each week of it

- Work on the Software solution

- Apply new theory from the lectures

* **After Feedback**

- Update the Documentation (regarding the feedback)

- Continue work on the Documentation

- Set priorities for the current Spring and each week of it

- update the Software solution (regarding the feedback)

- Continue work on the Software solution

* **Repeat every Sprint**

### Risks

| Risk | Solution |
| --- | --- |
| Permanently deleting the Software solution | GitLab stores all previous versions; push new changes more often |
| Lack of knowledge | Online courses and research, Canvas |
| Hera Servers are not working | Store the database in a localhost |

### Testing

To be sure that the software solution is working properly and correctly, I will make some unit tests. I will be using “Mockito” framework.