Project plan

Sprint 1

Individual Track – S3

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# Introduction:

The Software Project that is going to be developed during this semester, is a Web Application that is going to serve as a booking system to book water sports lessons primarily kitesurfing lessons.

This document provides an initial overview about the purpose of the web app namely the what, why and how to bring the reader closer and gives a good understanding of what is expected to be built by the end of the semester.

Disclaimer:

The features that are going to be presented in the document and subsequent project plans and documentations are subject to a change depending on the semester setup, material, learning outcomes and finally teachers and coaches’ decisions/suggestions throughout the semester.

# **References**

Git Link:

[Chbiki,Ismail I. / Individual Track S3 · GitLab (fhict.nl)](https://git.fhict.nl/I479364/individual-track-s3)

Jira Project Management Link:

[KWA board - KWA board - Agile Board - Jira (atlassian.net)](https://ismailchbiki.atlassian.net/jira/software/c/projects/KWA/boards/4?selectedIssue=KWA-5)

# **Project Goals & Deliverables**

## Project Goals:

* This project should help clients access a Web App and learn from which about the different kite lessons types and the learning process and requirements.
* It should allow potential customers to place a reservation and have a kite lesson at a given scheduled time and location.

## Deliverables:

### *Non-Functional Requirements*

NFR-01: Maintainable and extendable

* The application will be open to new functionalities to be added, or to easily update the existing functionalities without influencing the application’s behavior or flow and without time consuming.

NFR-02: Bug free system

* The application will handle potential users’ errors and unexpected behaviors.
* Unit testing will be implemented and kept up to date to the application’s development through time, to track and handle errors.
* The software will be equipped with a test plan to test every single performance of the web application.
* A test report will be made out of the test plan to fix any unexpected behavior after every testing.

NFR-03: Secure Application

* Application’s users (admins, clients, etc.) won’t be able to access saved passwords (hashing and salting will be implemented for passwords), and also different access levels will be implemented to keep application’s users’ sensitive data safe.

NFR-04: Environment and availability

* The web app is going to be deployed on an online server so that it is available to users online 24/7

NFR-05: Usability

* User experience testing will be made and distributed over groups of people (unknown number for now) to test if the apps are behaving as expected and update any unexpected received results.
* The application is going to be user-friendly and easy to use without extra time for users to get acquainted with the system.

### Functional Requirements

#### User Requirements:

ID: FR A-01

Title: Client can access available lessons

Description:

Client can access and view the available kite lessons

Constraint: None

ID: FR A-02

Title: Client can place a reservation

Description:

Client can make a reservation for a kite lesson

Constraint: None

Sign up/in (coming up)

#### Use Cases:

ID: FR A-01 – Client can access available lessons

Pre-condition:

* None

Post-condition:

* None

Actor: Client

Main Success Scenario:

1. Client opens the Web application
2. System displays a dashboard
3. Client chooses to view available lessons
4. System displays kite lessons
5. End of use case

Extensions:

* None

ID: FR A-02 – Client can place a reservation

Pre-condition:

* None

Post-condition:

* Lessons is booked

Actor: Client

Main Success Scenario:

1. Client opens the Web application
2. System displays a dashboard
3. Client chooses to book a lesson
4. System displays a form
5. Client provides valid data and confirms
6. System displays a confirmation of successful booking
7. End of use case

Extensions:

5a. text fields are empty

1. System displays a guiding message saying that fields are mandatory
2. Client fills in the fields
3. Go back to use case 5

5b. fields contain invalid data

1. System displays a guiding message where the error occurred
2. Client corrects their data and confirms
3. Go back to use case 5

# **Scope Statement**

A description of the developed product can be found [here](#_Introduction:)

# **Team Confirmation**

This is an individual Project assignment that is going to be carried out by only me.

# **Project Timing**

* This Project will be developed throughout sprints (3 weeks per sprint). By every sprint there will be new goals set to complete and teachers’ feedbacks incorporated and integrated along.
* The expected time to complete this project is the whole semester.

# **Project Cost**

Unapplicable