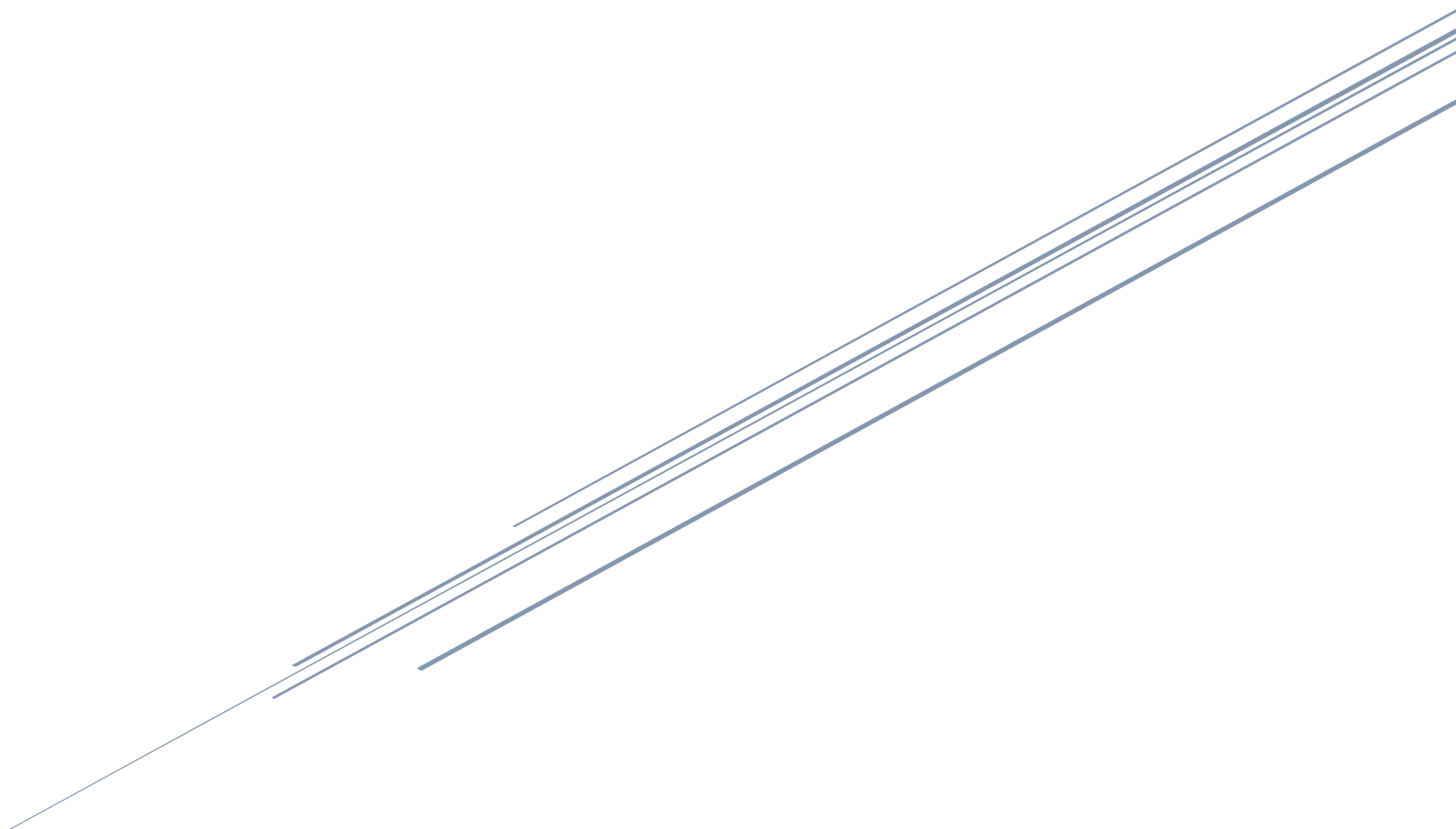


DESIGN DOCUMENT VERSION 3



Content

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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.

The web app will allow to the admins to manage the kite lessons so that the customers can book from them.

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.

References

Git Link:

[Chbiki,Ismail I. / Individual Track S3 · GitLab \(fhict.nl\)](#)

Jira Link: (invitations are sent to all the teachers)

[IT board - Roadmap - Jira \(atlassian.net\)](#)

Versioning Table

Sprint	Release	Name	Release Date	Updates
1	0.0.1	Semester Startup Release	25.02.2022	- Environment setup
2	0.0.2	Basic React frontend to the API	25.03.2022	- Basic frontend API calls
3	0.0.3	Unit + Integration test	14.04.2022	- Unit and Integration testing added
4	0.0.4	Authentication + Authorization	13.05.2022	- Authentication & authorization implemented

Project Goals

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.
- The web app owners should be able to manage the kite lessons on the website.
- It should allow potential customers to place a reservation and have a kite lesson at a given scheduled time and location.
- It should also allow customers to create accounts and login to their accounts to view their past bookings

Product Backlog

Personas:

The web application will have two types of users as a start, the web app administrator and the customer.

The administrator:

The administrator manages the web app services that can lie in the kite lessons, instructors, schedules, etc.

The customer:

The customer is any visitor who can access and view the web app services and can place reservations for kite lessons.

User Stories:

Administrator stories:

As an administrator, I want to be able to login to my account, so that I can manage the web app services.

As an administrator, I want to be able to create kite lessons, so that customers can view and book from those kite lessons.

As an administrator, I want to be able to update kite lessons.

As an administrator, I want to be able to delete kite lessons.

Customer Stories:

As a customer, I want to be able to view the available kite lessons and learn more about them

As a customer, I want to be able to place a reservation for a kite lesson so that I can learn how to kite

As a customer, I want to be able to create an account so that I can login to the app

As a customer, I want to be able to login so that I can view my past bookings

Acceptance Criteria

As an administrator,

I want to be able to login to my account,
so that I can manage the web app services.

- Acceptance Criteria:
 - username, password fields must be filled with the expected correct data
 - Dashboard is displayed
 - Dashboard is not displayed in case of incorrect credentials

As an administrator,

I want to be able to create kite lessons,
so that customers can view and book from those kite lessons.

- Acceptance Criteria:
 - All fields must be filled with the correct data to create kite lesson
 - Kite lesson doesn't get created in case of empty fields or a missing field

As an administrator,

I want to be able to update kite lessons.

- Acceptance Criteria:
 - An existing kite lesson is displayed to be updated
 - All fields must be filled with the correct data to update the kite lesson
 - Kite lesson doesn't get created in case of empty fields or a missing field

As an administrator,

I want to be able to delete kite lessons.

- Acceptance Criteria:
 - Kite lesson is deleted
 - Kite lesson is not deleted if it has some bookings

As a customer,

I want to be able to view the available kite lessons and learn more about them

- Acceptance Criteria:
 - Kite lessons are displayed as brief items
 - Kite lesson with more details is displayed if clicked

As a customer,

I want to be able to place a reservation for a kite lesson
so that I can learn how to kite

- Acceptance Criteria:
 - All fields must be filled with the correct data
 - Reservation is made after all fields are filled
 - Booking number is communicated to the customer after the booking is made

As a customer,

I want to be able to create an account
so that I can login to the app

- Acceptance Criteria:
 - Account is created after all fields are filled with the correct data
 - Account cannot be created with the same credentials

As a customer,

I want to be able to login

so that I can view my past bookings

- Acceptance Criteria:
 - Account is already created and active
 - Fields must be filled with correct data
 - Correct credentials are provided

End