**Booked BV**

**Project Plan**



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**Client**

**Client: John Smith Email: j.smith@gmail.com**

The company Booked is a travel agency and helps people book flights and hotels. Because of this, they find that it is essential to have a website and a desktop application to make there system more efficient. So they would be able to further expand their company at a global scale reaching customers from other countries. Therefore they hire a software developer (me) to come up with a solution for their current system.

During the process of making a software solution for the company. I will do a weekly meeting with a representative of the company Booked(client). During these meetings we would ask the client what requirements are needed in the application. In addition, we will also ask the client for their feedback upon what we have made so far and if he approves upon it.

**Team**

This chapter describes the organization of the team working on the current project. The team consists of team leader and tutors.

The team consist of:

* Steven Chen (Team leader)
* Bart Rabeling (OOD tutor)
* Hanane Ezzikouri (WAD tutor)
* Sabina Pencheva (WKS tutor)

1. **Team leader**

This role is responsible for the communication between the team (project members) and the senior colleague/manager. They should keep track of deadlines that are coming up and as such motivate the team to finish tasks on time. They should also work on the project solution themselves as they are part of the team. Furthermore the team leader will also be the groups contact person which can be contacted by email.

**Email: steven.chen@student.fontys.nl**

In conclusion the team leader:

* + - 1. Conducts communication between tutors and client.
      2. Keeps track of deadlines.
      3. Works on the project.
      4. Is the contact person

* + 1. **Senior colleagues/manager**

The senior colleague/ manager will help guide the team leader when something is not clear or if the team leader hits a roadblock that cannot overcome, he can ask him for help. The team leader should not hesitate to ask any questions when he find something is unclear. The tutors also review deliverables and give feedback at meetings. The project consist of 3 tutors (OOD, WAD and WKS) with each tutor reviewing their own respective parts.

In conclusion the tutor:

1. Helps guide the team leader
2. Communicates through questions, weekly meetings and email.
3. Reviews and gives feedback on deliverables.

**Current situation**

As previously mentioned Booked is a travel agency company, that is trying to go global to get more customer.

Currently the company’s way of working is that the customer goes to the travel agency building itself and book flights and hotels there. Therefore it is our task to change the current system that the company has and implement a proper solution to expand their customers.

**Problem description**

The biggest challenge and main priority of the company is to allow there users to book flight and hotels from a website and the administration could manage those bookings.  
The current way of working from the company’s is that they don’t have a website to book there flight, currently the customer just goes to the travel agency and buy it from there, which makes it time consuming for the customer.

**Project goal**

This project's goal will be primarily focus on the web application and desktop application, with the knowledge and resources that I have learned to be able to create a proper solution that is more sustainable than the old system in place. We will work on different phase, where each phase will have to deliver something. The phases will be further explain on later chapters of this document.

**Deliverables**

The company requested a web application where users can book a flight or a hotel. Furthermore, the company want a desktop application where the administration could change a booking from a client or add new flight/ hotels. These application would also have access to a database.

In conclusion the deliverable would be a desktop application, a web application and a database.

Desktop application:

* Admin can change booking from a client
* Add flights
* Add hotels
* Has access to the database
* Can view all client account that were made

Web application:

* User can make an account or log in
* User can book a flight or hotel
* User could request to change booking
* User can search for a flight/ hotel
* Has access to the database
* User can add a review on a hotel

Database:

* Contains data of flights
* Contains data of hotels
* Contains data of bookings
* Contains data of customer

**Constraints**

**Scope**

The scope is to come up with a software solution for the company to go public in the internet and that are able to expand there customers/client which increase there sales. That is why it is our main priority to make a web application to make it accessible for customers everywhere. In addition is to make a desktop application so that the company can manage there bookings from client of the website. Furthermore, future features could be implemented to improve these applications but these is our main priority for this project.

**Important deadlines**

The important deadlines for this project are the Formative feedback from tutors. On these days we should be able to deliver what is planned on the planning which could be seen in later chapters. These deadlines are very important as it give insight on what could be improved in the project.

**Resources/ Programming language**

C# is the main programming language that we are required to use in order to complete the project. We will still use other languages such as HTML and CSS for the web application and Razor pages, but the main focus is on C#. Furthermore, we could use the internet as a means to get useful information. Overall, with these resources we would be able to make a software solutions for the company.

**Planning**

**Week 1 (6 - 10 Feb):**

* Create ideation document
* Create Site map
* Create Wireframes

**Week 2 (13 - 17 Feb):**

* Start UML Diagram
* Make HTML/CSS layout

**Week 3 (13 - 17 Feb):**

* Deliver intermediate version documentation:
  + UML Diagram
  + Project Plan
  + URS
  + Test Plan
  + Visual Studio solutions (landing page using Razor pages)

**Week 4 (6 - 10 March):**

* Formative feedback from tutors
* Make changes based on feedback
* Catch-up if fallen behind the planning

**Week 5 (13 - 17 March):**

* Create database to store contents (hotels/flights )
* Load one flight/hotels from database to the page

**Week 6 (20 - 24 March):**

* Able to show all the flight/hotels to the page
* New page that show the details of the content

**Week 7 (27 - 31 March):**

* Make a search bar (filtering) to get correct contents
* Finish CRUD functionalities for hotels/flights
* Add changes based on feedback

**Week 8-9 (3 - 14 April):**

* Formative feedback from tutors
* Add changes based on feedback
* Catch-up if fallen behind the planning

**Week 10 (17 - 21 April):**

* Create a database for User
* Registration page to create account
* Log in and Log out feature
* Authorization (CRUD contents if user is logged in)
* Feature for user change their own information

**Week 11 (24 - 28 April):**

* Unit Test application
* Update authorization logic
* CRUD functionality on users content for admin
* Add review and rating feature (user can add a rating with review on a hotel)

**Week 12 (8 - 12 May):**

* Make changes based on feedback
* Catch-up if fallen behind the planning

**Week 13-14 (15 -26 May):**

* Formative feedback from tutors
* Add changes based on feedback

**Week 15-16 (29 - 9 June):**

* Polish application
* Enhance UX of web application
* Deploy web application before deadline

**Week 17-18 (12 - 23 June):**

* Present web application and receive formative feedback