



# RESERVA PROJECT PLAN

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## 1 Client

Client for this project is from the company Reserva with the main stakeholders being OOD, WAD and WKS teachers.

## 2 Stakeholders and Team members

Name	Abbreviation	Role and functions	Availability
Timothy Thijsen Email: <a href="mailto:504835@student.fontys.nl">504835@student.fontys.nl</a>	T.T	Developer, Team member	Monday – Friday (9:00 – 16:00)
Hanane Ezzikouri		Stakeholder, WKS	Wednesday (9:00 – 12:00) Friday (14:30 – 16:00)
André Postma		Stakeholder, OOD	Wednesday (13:00 – 16:00) Thursday (9:00 – 12:00)
John Wijnen		Stakeholder, WAD	Monday (9:00 – 12:00) Wednesday (13:00 – 16:00)

## 3 Current situation

Currently Reserva is a brand-new company aimed towards having a platform to facilitate the process of reserving a room for a hotel stay while also providing some additional features for clients. Their focus is to have an online reservation site and a place to view these available rooms. Currently due to being a brand-new company they don't have any application to fulfil their requirements.

## 4 Problem description

Because it is going to be an online booking application, they would require a web application to provide users with a web application where they can make reservation for a hotel of their choosing. And another problem they have right now that they would need a desktop application for the administration and maintaining of the web application.

## 5 Project goal

The end goal for this project is to have a web application for their online booking application. This should be accompanied by a desktop application for employees. Both should be connected by having a database where the data for their platform will be stored and accessed. Hopefully, by completing this end goal, the company can achieve their main goal which is providing a platform where users can have an easier time with booking a room for various hotels and for the owners to have an easier time offering these rooms to their potential clients.

## 6 Deliverables

- Windows desktop application
- Web application
- Database
- Ideation document
- User Requirement Specifications
- Test plan & Test report

## 7 Non-deliverables

I am not planning to deliver the following:

- User manuals.
- Mobile application
- Integration with legacy systems.
- Computers and hardware.

### 7.1 MoSCoW

Must have:

- Desktop application
  - CRUD for rooms
  - CRUD for hotels
  - CRUD for employee's account.
  - Member overview
- Web application
  - Display rooms
  - Create member account.
  - Login
  - Room booking functionality, including a booking id code generator.
  - Account overview for members
  - Booking scheduling for rooms
  - Dynamic room pricing
- Database

Should have:

- Desktop application
  - Account overview for employee
  - CRUD for activities
  - Login
- Web application

- Points system
- Dynamic point system.
- Display activities
- System for redeeming points.
- Activities booking
- Booking scheduling for activities

Could have:

- Desktop application
  - Financial statistics
- Web application
  - Reviews for hotels
  - Employee account overview

Will not have:

- A mobile application to accompany booking process and overview of trip.

## 8 Constraints

This project plan is for my individual assignment for semester 2. So, it will be worked on by 1 person. I have a deadline on 14<sup>th</sup> June 2024.

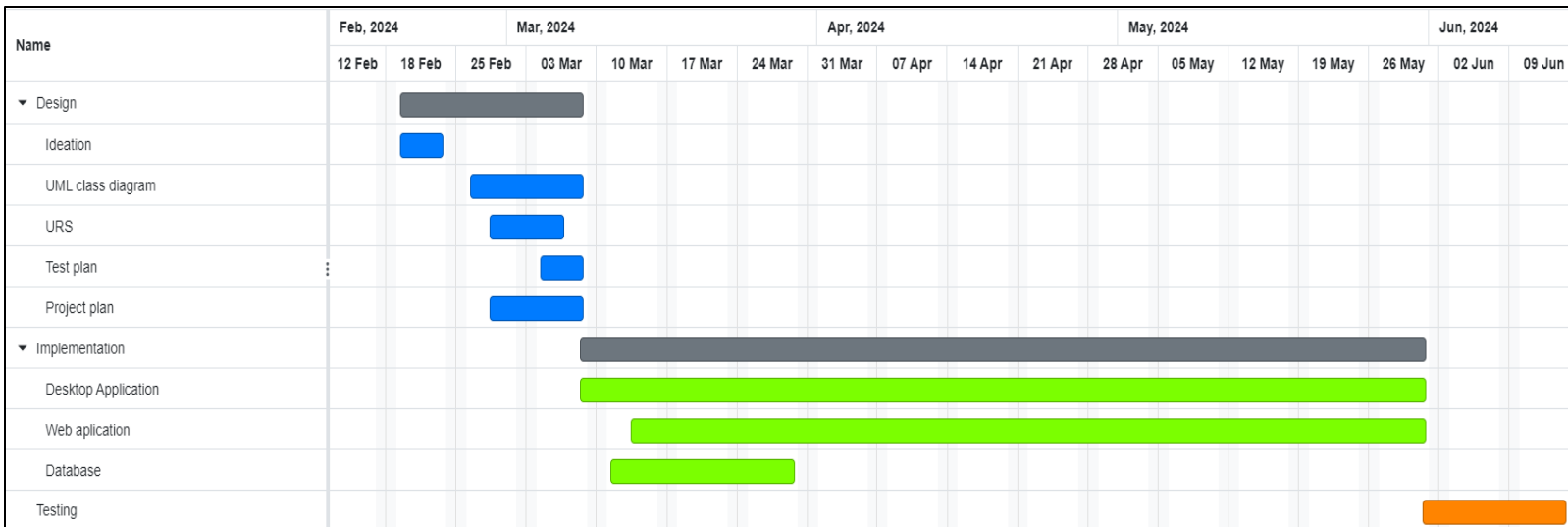
All programmed components should be easy to understand and clean for any future maintenance needed on the code base. Whilst also allowing the code to be easily scalable for any future features that may be added. The code should also be properly implemented according to OOP principles.

### Technical constraints:

For technical constraints I have the following:

- Microsoft ASP.NET Razor Pages for our web application.
- Microsoft Windows Forms for the Desktop application using C#.
- Microsoft SQL Server 2019 for our database server

## 9 Phasing



### 9.1 Design

Time: 14<sup>th</sup> of February 2024 up to and including 8<sup>th</sup> of March 2024. During this phase of the project, I would have documented all requirement for my applications. And have created a project plan.

### 9.2 Implementation

Time: 8<sup>th</sup> of March 2024 up to and including 31<sup>st</sup> of May 2024. During this phase I will be implementing the features I have previously listed in the documents. Priority of implementation will go according to MoSCoW table.

#### Week 4-6

- Database.
- CRUD for rooms
- CRUD for hotels
- Display rooms on web app

#### Week 7-9

- Implement member CRUD.
- Implement employee CRUD.
- Have user's account overview.
- Implement scheduling/reservation logic.
- Booking id generator

- Point system

#### Week 10-12

- Login for Desktop and webpage.
- Dynamic pricing algorithm.
- CRUD for activities
- Display activities

#### Week 13-15

- Activities booking
- Dynamic point system
- Statistics.

### 9.3 Testing

Time: 31<sup>st</sup> of May 2024 up to and including 14<sup>th</sup> of June 2024. During this phase I will be testing the final version. And making required changes and fixes.

### 9.4 Final

The final version of my application will be delivered on 14<sup>th</sup> June 2024.