Project Plan

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Version: 1.0

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Versioning Table

Version	Date	Changes	Modified By	Status
0.1	09/02/2022	Add user stories	Esther Wolfs	Started
0.2	14/02/2022	Add user stories	Esther Wolfs	Started
0.3	17/02/2022	Add user stories	Esther Wolfs	Started
0.4	24/02/2022	Add priority and estimate	Esther Wolfs	Started
0.5	17/03/2022	More user stories and implement feedback	Esther Wolfs	Finished
1.0	17/06/2022	Add reflection	Esther Wolfs	Finished

Table of Contents

Introduction

For the Individual Track project I want to create a web app for a hotel, where customers can make a reservation. The employees of the hotel can use this web app to manage these reservations, to do their daily work tasks.

Strategy

For this project I have chosen to work with an agile approach. This means that I can work on different smaller user stories every sprint and continuously deliver these small features, instead of the final product all at once. I can quickly adapt to the feedback that has been given.

Planning

Sprint 1:
- Make project plan
- Start working on APIs

Sprint 2:
- Start working on fronted
- Continue working on API
- Implement CI pipeline

Sprint 3:
- Continue working on frontend and API
- Connect to database

Sprint 4:
- Implement authentication/authorisation
- Make UX report

Sprint 5:
- Implement CD pipeline
- Make web security report

Sprint 6:
- Implement websockets
- Deliver final project
- Front end testing

User Stories

Guests

User Story 1

User Story

- **As a** customer
- **I Can** enter a date
- **So that** I can view the available rooms

Acceptance Criteria

- The room types are displayed
- Details of the specific room are displayed
- Amount of guests are entered

Priority: 70
Estimation: 2 days

User Story 2

User Story

- **As a** customer
- **I Can** select a room
- **So that** I can make a reservation

Acceptance Criteria

- The price is calculated
- The room is available

Priority: 80
Estimation: 3 days

User Story 3

User Story

- **As a** hotel guest
- **I Can** see my reservations
- **So that** I can cancel my reservation

Acceptance Criteria

- Customer has made a reservation
- The current date is at least 3 days before the check in date
- All information of selected reservation is displayed

Priority: 50
Estimation: 3 days

User Story 4

User Story

- **As a** customer
- **I Can** see my reservations
- **So that** I can see all my bookings

Acceptance Criteria

- Customer is logged in
- Customer has active bookings

Priority: 75
Estimation: 3 days

User Story 5

User Story

- **As a** customer
- **I Can** make an account
- **So that** I can manage reservations

Acceptance Criteria

- Customer has to enter their personal information: first name, last name, email address, password
- Email is unique
- Password has a minimum length of 8 characters
- Password contains at least one Upper Case, one lowercase, a number and a symbol

Priority: 70
Estimation: 3 days

User Story 6

User Story

- **As a** customer
- **I Can** view my account
- **So that** I can update my personal information

Priority: 60
Estimation: 5 days

User Story 7

User Story

- **As a** hotel guest
- **I Can** make a reservation for breakfast
- **So that** I am sure I can go into the restaurant to eat breakfast with current max capacity

Acceptance Criteria

- Guest has a reservation for the specified date they want to make a breakfast reservation
- Max capacity of restaurant is not reached
- Reservation date and time is at least 10 pm the night before
- Reservation cannot be made more than 3 days in advance

Priority: 75
Estimation: 5 days

User Story 8

User Story

- **As a** hotel guest
- **I Can** log in to the website
- **So that** I can manage or make reservations

Acceptance Criteria

- Guest has an account
- Guest enters correct password and username/email

Priority: 90
Estimation: 5 days

User Story 9

User Story

- **As a** hotel guest
- **I Can** select if I want my room to be cleaned
- **So that** the hotel cleaners know if they can skip my room

Acceptance Criteria

- Guest has a reservation
- Guest is logged into their account
- Guest is currently checked into hotel

Priority: 30
Estimation: 5 days

Employees

User Story 10

User Story

- **As a** Hotel Manager
- **I Can** see all reservations
- **So that** I know what the total revenue is

Acceptance Criteria

- The revenue for the selected period is displayed
- There are reservations

Priority: 60
Estimation: 3 days

User Story 11

User Story

- **As a** Hotel Employee
- **I Can** see reservations
- **So that** I know when guests want to check in

Acceptance Criteria

- There are reservations
- The reservations of the current date are displayed
- The check in date is displayed

Priority: 100
Estimation: 5 days

User Story 12

User Story

- **As a** Hotel Employee
- **I Can** see reservations
- **So that** I know when guests want to check out

Acceptance Criteria

- There are reservations
- The reservations of the current date are displayed
- The check out date is displayed

Priority: 100
Estimation: 5 days

User Story 12

User Story

- **As a** cleaning manager
- **I Can** see check in and out dates
- **So that** I know when to clean rooms

Acceptance Criteria

- There are reservations

Priority: 85
Estimation: 5 days

User Story 13

User Story

- **As a** cleaning manager
- **I Can** see which guests selected they want their room cleaned

- **So that** I know which rooms need cleaning

Acceptance Criteria

- There are reservations

Priority: 30
Estimation: 5 days

User Story 14

User Story

- **As a** restaurant manager
- **I Can** see breakfast reservations
- **So that** I know how many guests are coming

Acceptance Criteria

- Guests have made a reservation for breakfast
- Capacity of restaurant is limited because of covid restrictions

Priority: 80
Estimation: 7 days

User Story 15

User Story

- **As a** restaurant manager
- **I Can** see the amount of breakfast reservations
- **So that** I know if I can accept more guest who have not yet made a reservation

Acceptance Criteria

- Guests have made a reservation for breakfast
- Capacity of restaurant is limited because of covid restrictions

Priority: 75
Estimation: 5 days

Reflection

Unfortunately I have not been able to complete all user stories. Both due to lack of time and because I didn't think they were relevant enough to focus on during the past few sprints. It took me a lot longer than I expected, because I wasn't familiar with Java/Spring Boot and React. I had to start from the complete beginning for both, and because every week we were still learning new features I had to start over quite a few times. In the end I do think I have made some progress, as I was able to make a full stack web app with a working frontend, backend that is connected to a database.

User stories 2, 4, 5, 6, 8, 11 and 12 have been either fully or partially implemented. I have also added some more features that are not mentioned in the user stories.