Sprint #02 Review

Date: 21/09/2020

Sprint: 2

Scrum Master: Vincent Villaflores (s3728807)

Development team: Meng Kheang Leng (s3704080), Chhayhy Kourn (s3699618), Hue Phuong Le (s3687477), William Bossen (s3658961)

Sprint Goals

Firstly, our second Sprint goal is to complete all the requirements of the product owner for this milestone including the features to be available to add, edit, and delete employees by admin as well as creating session time for each employee. Secondly, we will finish all the unit testing, make them run automatically in CircleCI and deploy our website manually to Amazon AWS using terraform. Lastly, we will update the sprint backlog and product backlog accordingly.
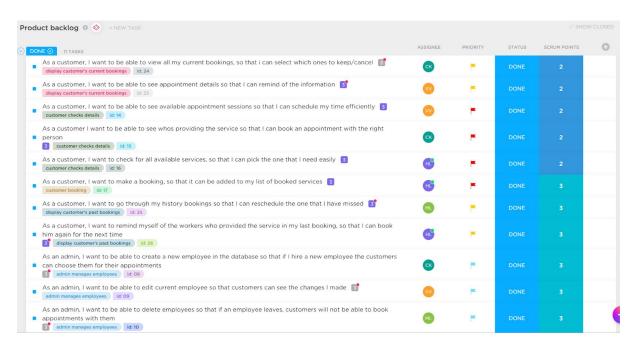
Status Overview

A table below shows the information of the sprint backlog items will be discussed.

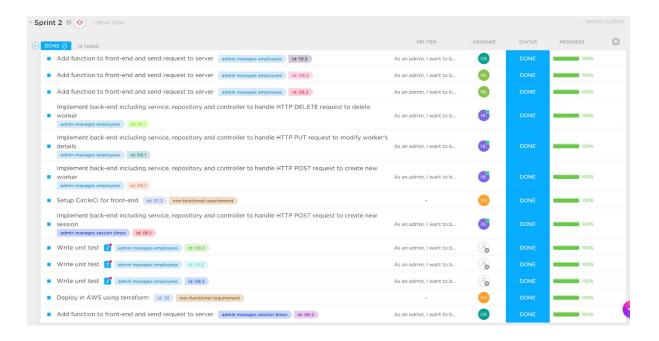| Task ID	Task name	User story	Status	Demo
6.1	Implement back-end including service, repository & controller to handle HTTP POST request to create new session	As an admin, I want to be able to create new session times so that the customer has more choices in which session they want to attend	Done	Yes
6.2	Add function to front-end and send request to server		Done	Yes
6.3	Write unit test		Done	Yes
8.1	Implement back-end including service, repository & controller to handle HTTP POST request to create new worker	As an admin, I want to be able to create a new employee in the database so that if I hire a new employee the customers can choose them for their appointments	Done	Yes
8.2	Add function to front-end and send request to server		Done	Yes
8.3	Write unit test		Done	Yes

9.1	Implement back-end including service, repository & controller to handle HTTP PUT request to modify worker's details	As an admin, I want to be able to edit current employee so that customers can see the changes I made	Done	Yes
9.2	Add function to front-end and send request to server		Done	Yes
9.3	Write unit test		Done	Yes
10.1	Implement back-end including service, repository & controller to handle HTTP DELETE request to delete worker	As an admin, I want to be able to delete employees so that if an employee leaves, customers will not be able to book appointments with them	Done	Yes
10.2	Add function to front-end and send request to server		Done	Yes
10.3	Write unit test		Done	Yes
37.2	Setup CircleCI for front-end	N/A	Done	Yes
38	Deploy in AWS using terraform	N/A		

A screenshot of Clickup

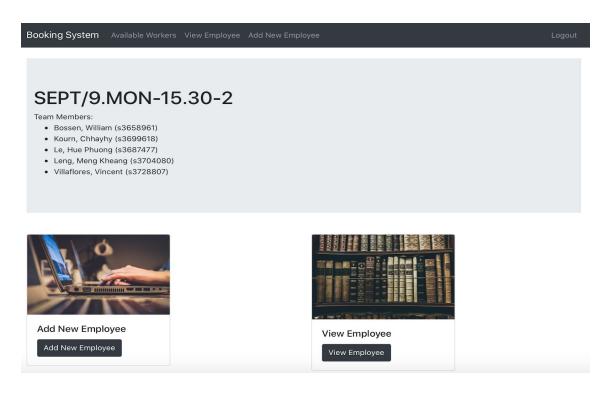A screenshot of product backlog update:

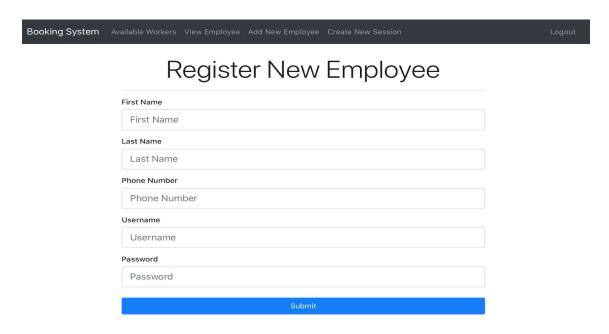A screenshot of sprint 2 backlog at the end of the sprint:

Screenshots

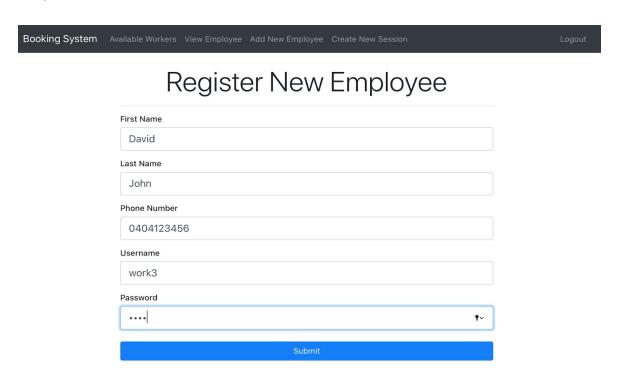- **Admin manages employees feature**

Since we do not have a login function, to access this page, the admin needs to go to the admin homepage via this link: "localhost:3000/adminhomepage". He/she can access some functionalities related to the employees by picking either one of the items in the navigation bar "View Employee", "Add New Employee".

Booking System   Available Workers   View Employee   Add New Employee   Logout

SEPT/9.MON-15.30-2

Team Members:
- Bossen, William (s3658961)
- Kourn, Chhayhy (s3699618)
- Le, Hue Phuong (s3687477)
- Leng, Meng Kheang (s3704080)
- Villaflores, Vincent (s3728807)

Add New Employee
Add New Employee

View Employee
View Employee

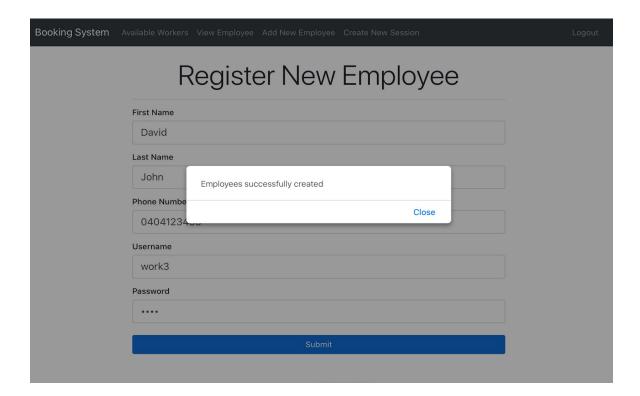Once the admin clicks on the "Add New Employee" item, the system redirects to a page to create a new employee where he/she can fill in all the requirement fields.

Booking System   Available Workers   View Employee   Add New Employee   Create New Session   Logout

Register New Employee

First Name

First Name

Last Name

Last Name

Phone Number

Phone Number

Username
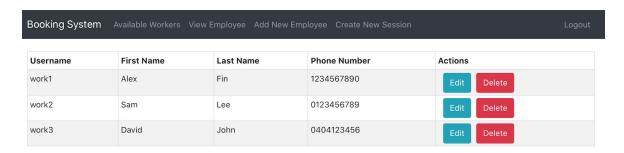
Username

Password

Password

Submit

All of the gaps in the form must be completed to continue. There are a number of restrictions such as 10 digit numbers for phone number and username between 3-21 of length. After filling all of the information, the admin clicks on the "Submit" button to continue.

Booking System   Available Workers   View Employee   Add New Employee   Create New Session   Logout

Register New Employee

First Name

David

Last Name

John

Phone Number

0404123456

Username

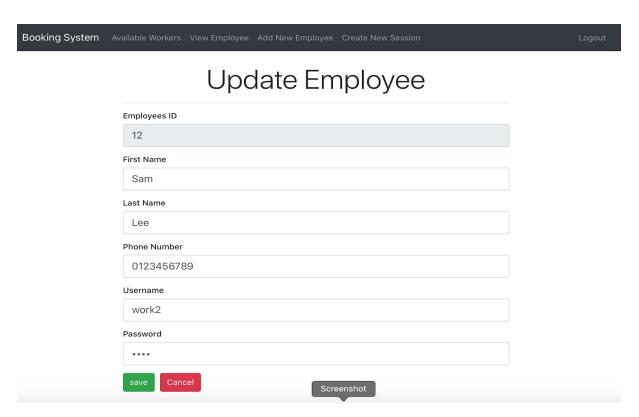work3

Password

••••

Submit

Once the button is clicked, the system shows an alert "Employees successfully created". Admin can click on the "Close" button to be redirected to the "View Employee" page.

Booking System   Available Workers   View Employee   Add New Employee   Create New Session   Logout

Register New Employee

First Name

David

Last Name

John

Employees successfully created

Close

Phone Numbe

0404123456

Username
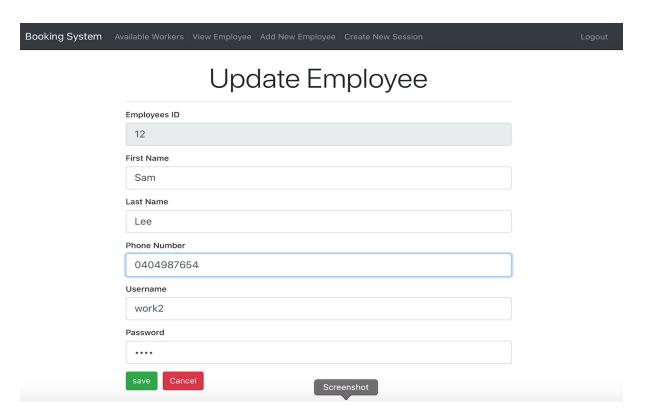
work3

Password

••••

Submit

The "View Employee" page displays all existing employees that are working for this admin. All details of each employee is shown in a table containing username, first name, last name and phone number. For each employee, the admin can either edit an employee's information or delete the employee.

Booking System	Available Workers	View Employee	Add New Employee	Create New Session		Logout

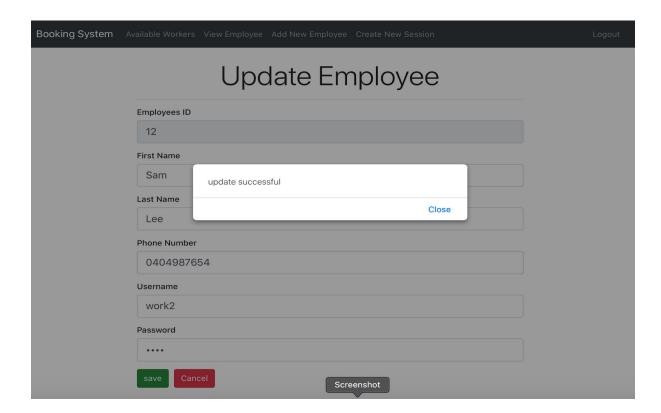| Username	First Name	Last Name	Phone Number	Actions
work1	Alex	Fin	1234567890	Edit Delete
work2	Sam	Lee	0123456789	Edit Delete
work3	David	John	0404123456	Edit Delete

By clicking the "Edit" button, the system redirects to a page showing employee details which is editable. Admin can now modify their employee details including password and username. The only unmodifiable is the ID of the worker. All the restrictions from the "Add New Employee" page are applied for this page as well.

Booking System	Available Workers	View Employee	Add New Employee	Create New Session		Logout

Update Employee

Employees ID

```
12
```

First Name

```
Sam
```

Last Name

```
Lee
```

Phone Number

```
0123456789
```

Username

```
work2
```

Password

```
••••
```
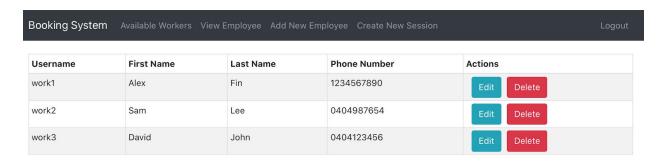
save Cancel

Screenshot

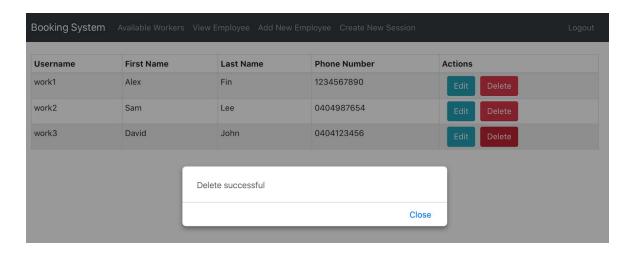Admin updates the phone number of the employee named "Sam"

When modification is done, the admin clicks on the "Save" button at the bottom of the page. An alert then is shown to notice that the changes are successfully updated. After that, the admin can click on the "Close" button to go back to the "View Employee" page.
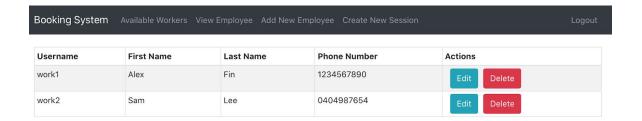
The employee named "Sam"'s phone number is now updatable.

Username	First Name	Last Name	Phone Number	Actions
work1	Alex	Fin	1234567890	Edit Delete
work2	Sam	Lee	0404987654	Edit Delete
work3	David	John	0404123456	Edit Delete

Booking System   Available Workers   View Employee   Add New Employee   Create New Session   Logout

By clicking the "Delete" button (next to "Edit" button), the admin can remove the employee from their system. The page shows that the alert message saying the employee has been removed from the system successfully.
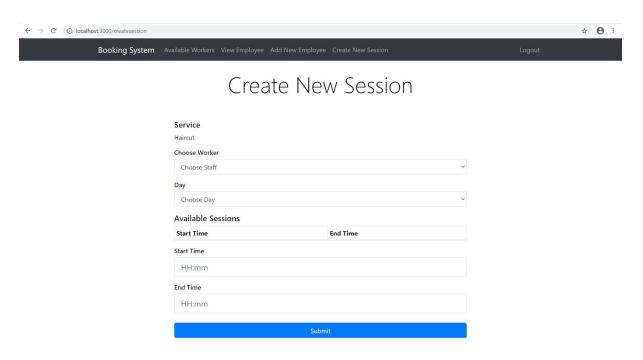
Username	First Name	Last Name	Phone Number	Actions
work1	Alex	Fin	1234567890	Edit Delete
work2	Sam	Lee	0404987654	Edit Delete
work3	David	John	0404123456	Edit Delete

Delete successful

Close

The system will update their data and refresh the page and the deleted employee is not displayed anymore.

Booking System   Available Workers   View Employee   Add New Employee   Create New Session   Logout

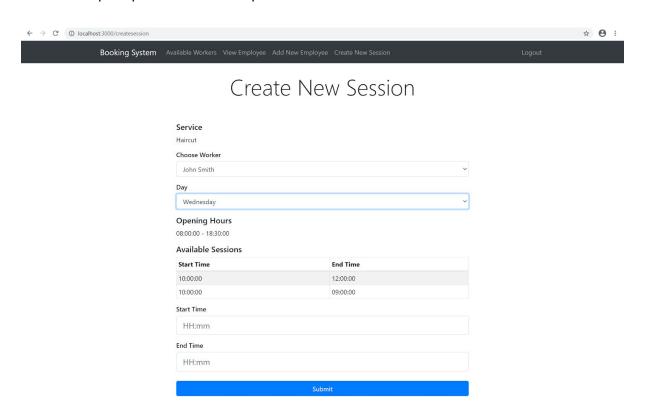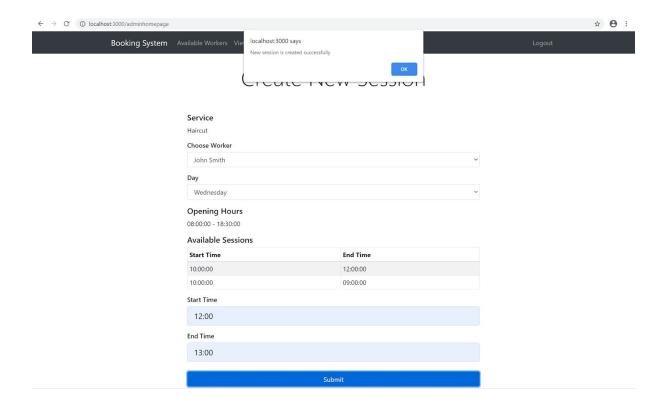| Username	First Name	Last Name	Phone Number	Actions
work1	Alex	Fin	1234567890	Edit Delete
work2	Sam	Lee	0404987654	Edit Delete

- **Admin creates sessions feature**

By clicking on the "Create New Session" button, admin is redirected to the "Create New Session" page. In this page, admin will need to choose one of their staff and set the date and time for their existing employee.

After a worker and day is selected, the opening hours and available sessions will be rendered to prompt admins to not input the invalid start time and end time.
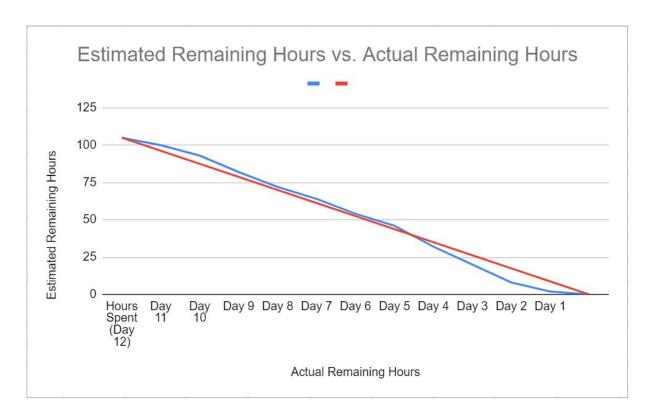
Once everything is filled and the "Submit" button is clicked, the new session will be added to the system and a message pops up to notify admin that they successfully create a new session.

Sprint Statistics

Task	Start Hours	Hours Spent (Day 12)	Day 11	Day 10	Day 9	Day 8	Day 7	Day 6	Day 5	Day 4	Day 3	Day 2	Day 1	Total Hours
6.1	8	0	0	0	0	0	0	0	0	4	4	0	0	8
6.2	11	0	0	0	0	2	1	3	3	2	0	0	0	11
6.3	8	0	0	0	0	0	0	0	0	0	3	4	1	8
8.1	8	3	3	2	0	0	0	0	0	0	0	0	0	8
8.2	7	2	4	1	0	0	0	0	0	0	0	0	0	7
8.3	8	0	0	3	3	2	0	0	0	0	0	0	0	8
9.1	6	0	0	2	4	0	0	0	0	0	0	0	0	6
9.2	6	0	0	3	3	0	0	0	0	0	0	0	0	6
9.3	8	0	0	0	0	4	3	1	0	0	0	0	0	8
10.1	6	0	0	0	0	0	4	1	1	0	0	0	0	6
10.2	6	0	0	0	0	0	2	3	1	0	0	0	0	6
10.3	8	0	0	0	0	0	0	0	3	2	3	0	0	8
37.2	7	0	0	0	0	0	0	0	3	2	0	2	0	7
38	8	0	0	0	0	0	0	0	3	2	2	0	1	8
Actual Remaining Hours	105	100	93	82	72	64	54	46	32	20	8	2	0	105
Estimated Remaining Hours	105	96.25	87.5	78.75	70	61.25	52.5	43.75	35	26.25	17.5	8.75	0	

The second sprint had a total of 14 tasks, completed over 12 days. We spent a total of 105 hours to achieve this sprint. The red line depicts the ideal situation, with the estimated hours distributed to show a steady steep on the graph. In comparison to this, we spent our hours well, as displayed by the blue line.

In the first 4 days, the estimated hours were lower than anticipated, with the difference between the estimated remaining hours and the actual remaining hours, being approximately

4 hours each day. However in saying this, we were able to complete the sprint by the deadline regardless, especially in the last 4 days.