

Sprint 4 Review

Date: 15/10/2020

Sprint: 4

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Sprint Goals

Since this is the last sprint, the team will implement all the functionalities that are left to complete the full functionality of our system. This consists of: admins being able to view and change the available sessions, customers being able view and edit their information and password, as well as cancel their appointments. As well as workers being able to view their assigned hours and services. Additionally, we will be completing the sprint update, product backlog and refactoring. As well as automatic deployment using Kubernetes. As mentioned before, we will also update the product backlog accordingly based on the Definition of Done.

Status Overview

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

ID	Task name	User story	Status	Demo
7.1	Implement back-end including service, repository, controller & spring boot security to handle HTTP PUT request to change session times for admin	As an admin, I want to be able to change the available session times so that customers don't book appointments no worker can go to	Done	Yes
7.2	Add function to front-end and send request to server		Done	Yes
7.3	Back-end unit tests		Done	Yes
7.4	Front-end unit tests		Done	Yes
12.1	Implement back-end including service, repository, controller,	As an admin, I want to view all workers'	Done	Yes

	security to handle HTTP GET request to view all worker	availability for the next week, so that I can swap schedules between workers if any emergencies happen		
12.2	Add function to front-end and send request to server		Done	Yes
12.3	Back-end unit tests		Done	Yes
12.4	Front-end unit tests		Done	Yes
18.1	Implement back-end including service, repository, controller, security to handle HTTP PUT request to change password for customer	As a customer, I want to change my password so that my account is secure	Done	Yes
18.2	Add function to front-end and send request to server		Done	Yes
18.3	Back-end unit tests		Done	Yes
18.4	Front-end unit tests		Done	Yes
20.1	Implement back-end including service, repository, controller, security to handle HTTP PUT request to change customer information	As a customer, I want to be able to edit my important information including address and contact number, so that I can ensure all my bookings in the future will have my correct information	Done	Yes
20.2	Add function to front-end and send request to server		Done	Yes
20.3	Back-end unit tests		Done	Yes
20.4	Front-end unit tests		Done	Yes
21.1	Implement back-end including service, repository, controller, security to handle HTTP GET request to view customer details	As a customer, I want to be able to view all my details in my profile page, so that I can confirm all my details are correct	Done	Yes
21.2	Add function to front-end and send request to server		Done	Yes
21.3	Back-end unit tests		Done	Yes
21.4	Front-end unit tests		Done	Yes
22.1	Implement back-end including service, repository and controller to handle HTTP GET request to view	As a worker, I want to be able to see my assigned hours so	Done	Yes

	assigned hour for worker	that I can prepare myself accordingly		
22.2	Add function to front-end and send request to server		Done	Yes
22.3	Back-end unit tests		Done	Yes
22.4	Front-end unit tests		Done	Yes
27.1	Implement back-end including service, repository and controller to handle HTTP PUT request to cancel booking for customer	As a customer, I want to be able to cancel my appointments so that I can rearrange my schedule if there are any emergencies	Done	Yes
27.2	Add function to front-end and send request to server		Done	Yes
27.3	Back-end unit tests		Done	Yes
27.4	Front-end unit tests		Done	Yes
28.1	Implement back-end including service, repository and controller to handle HTTP GET request to see all service for worker	As a worker, I want to be able to see all my services, so that I can prepare carefully and provide customers the best experience	Done	Yes
28.2	Add function to front-end and send request to server		Done	Yes
28.3	Back-end unit tests		Done	Yes
28.4	Front-end unit tests		Done	Yes
40	Automatic deployment using Kubernetes	N/A	Done	Yes

A screenshot of Clickup

We moved all tasks from Sprint 4 Backlog to “Done” and all PBIs from Product Backlog to “Done”.

Sprint 4 25 TASKS

	ASSIGNEE	DUE DATE	STATUS
Implement back-end including service, repository and controller to handle HTTP GET request to get customer's details <small>customer's profile id: 21.1</small>	HL		DONE
Add function to front-end and send request to server <small>customer's profile id: 21.2</small>	HL		DONE
Back-end unit tests <small>customer's profile id: 21.3</small>	HL		DONE
Implement back-end including service, repository and controller to handle HTTP GET request to get worker's service <small>id: 28.1 worker's profile</small>	HL		DONE
Add function to front-end and send request to server <small>id: 28.2 worker's profile</small>	HL		DONE
Back-end unit tests <small>id: 28.3 worker's profile</small>	HL		DONE
Implement back-end including service, repository and controller to handle HTTP PUT request to edit customer's account <small>customer's profile id: 20.1</small>	HL		DONE
Implement back-end including service, repository and controller to handle HTTP PUT request to change customer's password <small>customer's profile id: 18.1</small>	HL		DONE
Implement back-end including service, repository and controller to handle HTTP PUT request for customer to cancel booking <small>customer cancels booking id: 22.1</small>	HL		DONE
Implement back-end including service, repository and controller to handle PUT request to change session time <small>admin manages session times id: 07.1</small>	HL		DONE
Add function to front-end and send request to server <small>admin manages session times id: 07.2</small>	CK		DONE
Add function to front-end and send request to server <small>customer cancels booking id: 22.2</small>	CK		DONE
Back-end unit tests <small>admin manages session times id: 07.3</small>	HL		DONE
Back-end unit tests <small>customer cancels booking id: 22.3</small>	HL		DONE
Back-end unit tests <small>customer's profile id: 18.3</small>	HL		DONE
Back-end unit tests <small>customer's profile id: 20.3</small>	HL		DONE

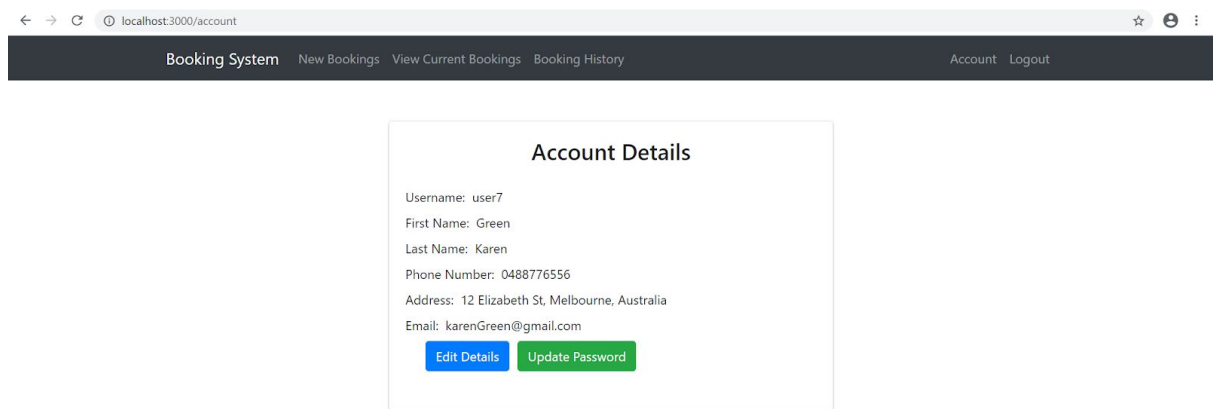
Product backlog 28 TASKS

	ASSIGNEE	PRIORITY	STATUS	SCRUM POINTS
As a worker, I want to login, so that I can see my dashboard and keep track of all my work <small>id: 03 login</small>	VV		DONE	3
As an admin, I want to see all new bookings, so that I can stay up-to-date and manage my business efficiently <small>admin can view all data id: 13</small>	WB		DONE	2
As an admin, I want to be able to see the past bookings so that I can see which of my employees have been working the hardest <small>admin can view all data id: 11</small>	WB		DONE	2
As an admin, I want to be able to confirm or cancel the new booking, so that I can know the customer made an appropriate booking or not <small>admin can view all data id: 29</small>	CK		DONE	5
As an admin, I want to be able to change the available session times so that customers don't book appointments no worker can go to <small>admin manages session times id: 07</small>	VV		DONE	5
As an admin, I want to view all workers' availability for the next week, so that I can swap schedules between workers if any emergencies happen <small>admin can view all data id: 12</small>	WB		DONE	2
As a customer, I want to change my password so that my account is secure <small>customer's profile id: 18</small>	HL		DONE	4
As a customer, I want to be able to edit my important information including address and contact number, so that I can ensure all my bookings in the future will have my correct information <small>customer's profile id: 20</small>	HL		DONE	3
As a customer, I want to be able to view all my details in my profile page, so that I can confirm all my details are correct <small>customer's profile id: 21</small>	HL		DONE	1
As a worker, I want to be able to see my assigned hours so that I can prepare myself accordingly <small>id: 27 worker's profile</small>	WB		DONE	2
As a customer, I want to be able to cancel my appointments so that I can rearrange my schedule if there are any emergencies <small>customer cancels booking id: 22</small>	WB		DONE	3
As a worker, I want to be able to see all my services, so that I can prepare carefully and provide customers the best experience <small>id: 28 worker's profile</small>	VV		DONE	2

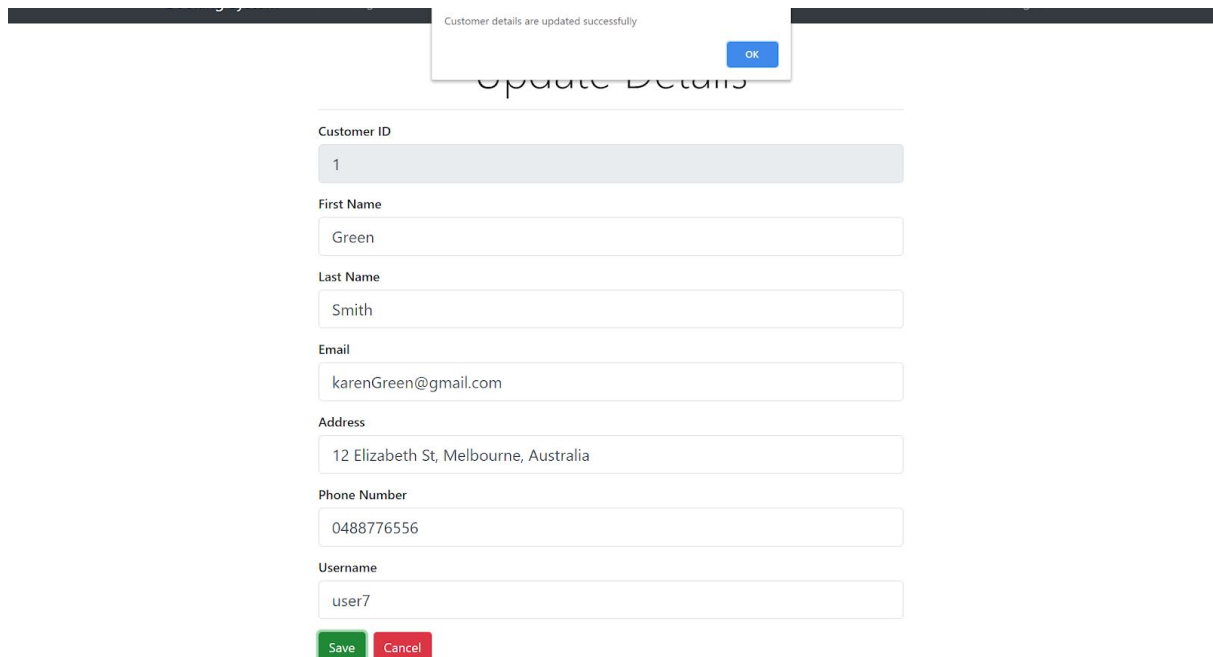
Screenshots

- **Customer Manages Profile**

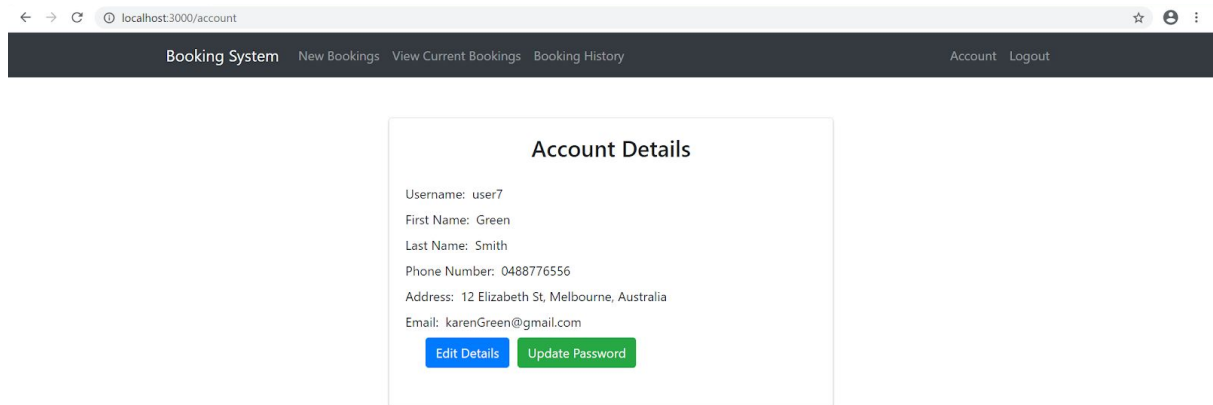
After logging in a customer profile and clicking on the “Account” button in the top navigation bar, the customer is redirected to a page displaying all their details with two buttons “Edit Details” and “Update Password”.



To update the account details, customers can click on the “Edit Details” button and he/she will be redirected to a page displaying a “Update Details” form containing all details which are editable. Customer then makes changes to the last name from “Karen” to “Smith” and clicks the “Save” button.

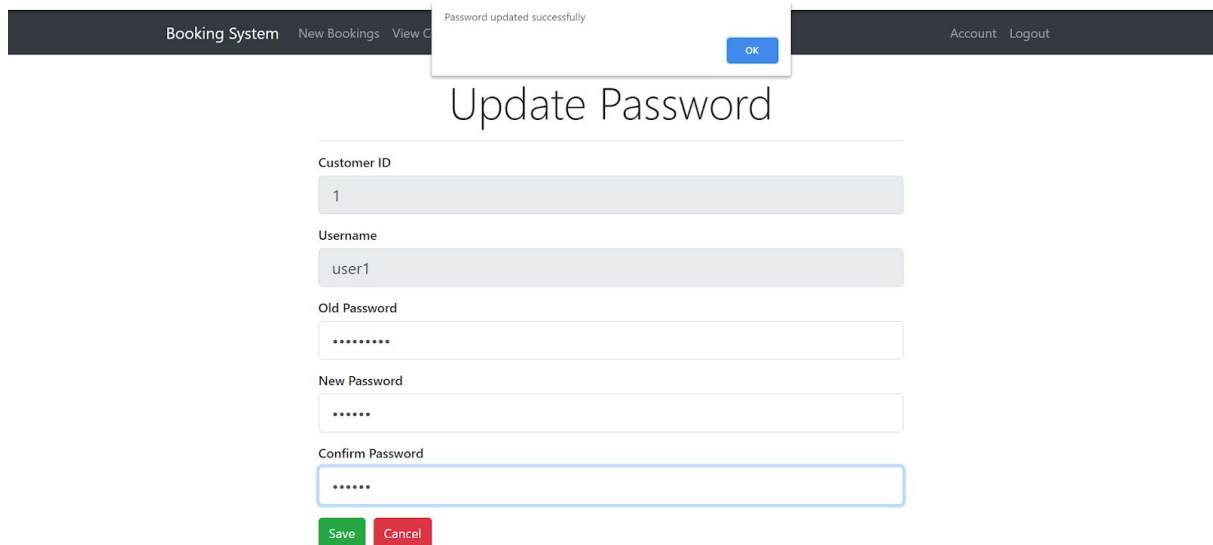


A message “Customer details are updated successfully” displays and the customer is redirected back to the account page with the updated last name.



The screenshot shows a web browser at localhost:3000/account. The navigation bar includes 'Booking System', 'New Bookings', 'View Current Bookings', 'Booking History', 'Account', and 'Logout'. The main content area is titled 'Account Details' and displays the following information: Username: user7, First Name: Green, Last Name: Smith, Phone Number: 0488776556, Address: 12 Elizabeth St, Melbourne, Australia, and Email: karenGreen@gmail.com. At the bottom of the details are two buttons: 'Edit Details' (blue) and 'Update Password' (green).

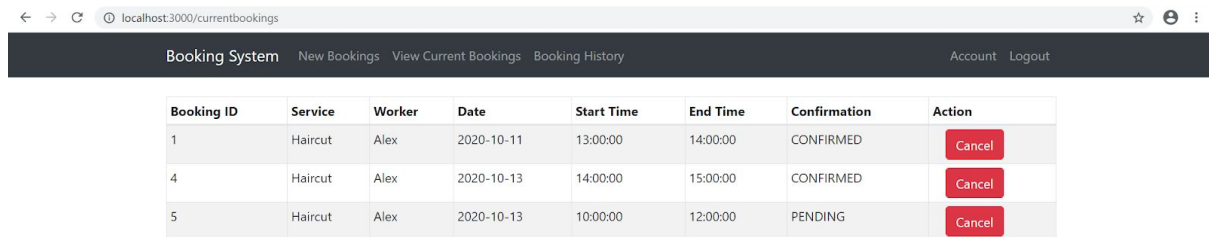
Now to change the password, the customer can click on the “Update Password” button and he/she is redirected to a page prompting the customer to enter old, new and confirm password. By entering all valid information and clicking on the “Save” button, the message “Password updated successfully” pops up to inform that the password is updated.



The screenshot shows the 'Update Password' page. A dark navigation bar at the top contains 'Booking System', 'New Bookings', 'View C', 'Account', and 'Logout'. A white toast message in the center reads 'Password updated successfully' with an 'OK' button. The main form is titled 'Update Password' and contains the following fields: 'Customer ID' (value: 1), 'Username' (value: user1), 'Old Password' (masked with 7 dots), 'New Password' (masked with 6 dots), and 'Confirm Password' (masked with 6 dots). At the bottom are 'Save' (green) and 'Cancel' (red) buttons.

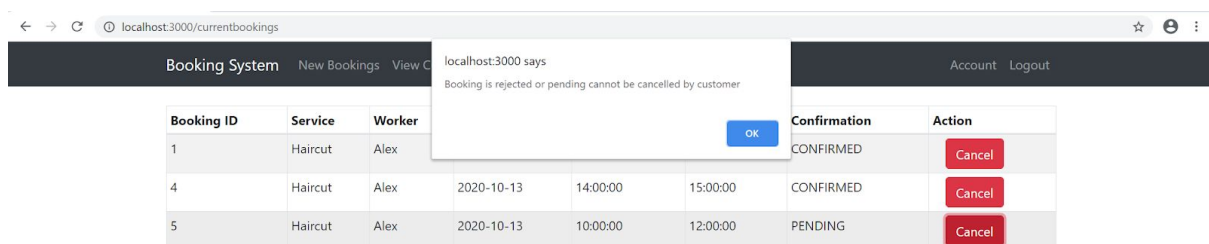
- **Customer Cancels Booking**

Now customers can click on the “Current Bookings” button and he/she will be redirected to a page displaying all the new bookings including the “Cancel” button.



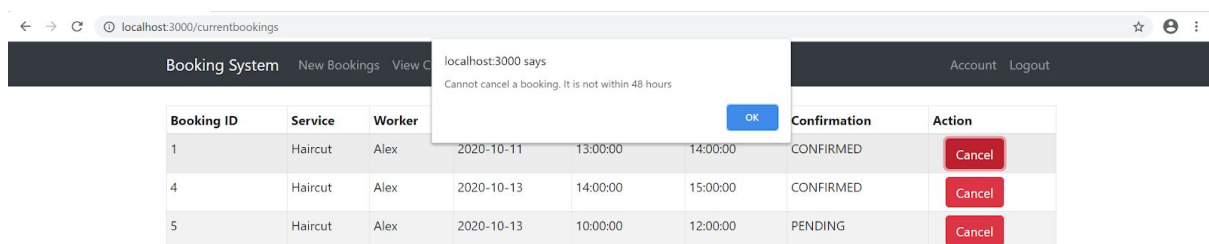
Booking ID	Service	Worker	Date	Start Time	End Time	Confirmation	Action
1	Haircut	Alex	2020-10-11	13:00:00	14:00:00	CONFIRMED	Cancel
4	Haircut	Alex	2020-10-13	14:00:00	15:00:00	CONFIRMED	Cancel
5	Haircut	Alex	2020-10-13	10:00:00	12:00:00	PENDING	Cancel

If they cancel a pending booking, a message to notify about the mistake will display.



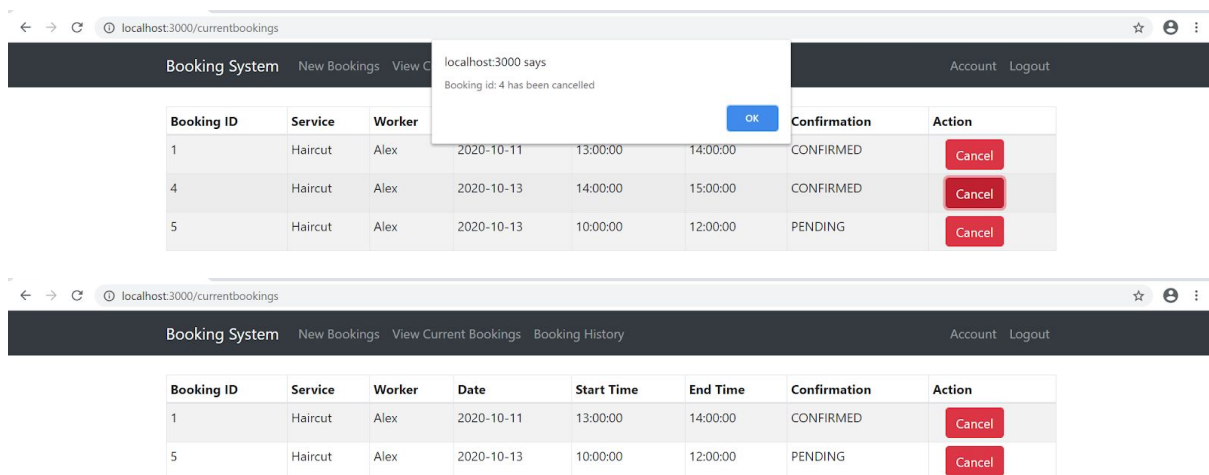
Booking ID	Service	Worker	Date	Start Time	End Time	Confirmation	Action
1	Haircut	Alex	2020-10-11	13:00:00	14:00:00	CONFIRMED	Cancel
4	Haircut	Alex	2020-10-13	14:00:00	15:00:00	CONFIRMED	Cancel
5	Haircut	Alex	2020-10-13	10:00:00	12:00:00	PENDING	Cancel

Similar thing happens if they try to cancel a booking which is within 48 hours.



Booking ID	Service	Worker	Date	Start Time	End Time	Confirmation	Action
1	Haircut	Alex	2020-10-11	13:00:00	14:00:00	CONFIRMED	Cancel
4	Haircut	Alex	2020-10-13	14:00:00	15:00:00	CONFIRMED	Cancel
5	Haircut	Alex	2020-10-13	10:00:00	12:00:00	PENDING	Cancel

A message “Booking has been cancelled” is displayed if they cancel a valid booking and the booking will be removed from the current bookings page.



Booking ID	Service	Worker	Date	Start Time	End Time	Confirmation	Action
1	Haircut	Alex	2020-10-11	13:00:00	14:00:00	CONFIRMED	Cancel
5	Haircut	Alex	2020-10-13	10:00:00	12:00:00	PENDING	Cancel

- **Admin Manages Sessions**

By logging in to the admin account and selecting the “Manage Sessions” button in the navigation bar, an admin is redirected to a page displaying all his/her available sessions with the “Edit” button for each session.

Booking ID	Worker	Day	Start Time	End Time	Action
1	Alex Flinn	1	11:00:00	12:00:00	Edit
2	Alex Flinn	2	10:00:00	11:30:00	Edit
3	Alex Flinn	3	11:00:00	13:00:00	Edit
4	Alex Flinn	4	09:00:00	10:30:00	Edit
5	Alex Flinn	5	09:00:00	09:30:00	Edit
6	Alex Flinn	6	13:00:00	14:00:00	Edit
7	Alex Flinn	7	14:00:00	15:00:00	Edit
8	Alex Flinn	1	12:00:00	12:30:00	Edit
9	Alex Flinn	2	09:00:00	10:00:00	Edit
10	Alex Flinn	3	15:00:00	16:00:00	Edit
11	John Smith	1	12:00:00	13:00:00	Edit
12	John Smith	2	10:30:00	11:00:00	Edit
13	John Smith	3	13:00:00	13:30:00	Edit
14	John Smith	4	14:00:00	15:30:00	Edit

Picking a session and choosing the appropriate “Edit” button, he/she is redirected to a page showing all sessions details which are editable (consist of day, start time and end time).

Edit Session

Worker's Name	Service
Alex Flinn	Haircut
Day	
Sunday	

Available Sessions

Start Time	End Time
11:00:00	12:00:00
12:00:00	12:30:00

Opening Hours

10:00:00 - 15:00:00

Start Time

11:00:00

End Time

12:00:00

Save Cancel

The “Available Sessions” and “Opening Hours” will be filtered according to the day that the admin picks to help them to change the time correctly. Admin now change the session from “Sunday 11:00:00-12:00:00” to “Monday 12:00:00-13:00:00” and click the “Save” button. Then, a message “Session updated successfully” pops up to notify them.

Session updated successfully

OK

EDIT SESSION

Worker's Name
Alex Flinn

Service
Haircut

Day
Monday

Available Sessions

Start Time	End Time
10:00:00	11:30:00
09:00:00	10:00:00

Opening Hours
08:00:00 - 17:00:00

Start Time
12:00:00

End Time
13:00:00

Save Cancel

Admin is redirected back to the “Manage Sessions” page with the session already changed.

← → ↻ localhost:3000/managesessions ☆ ⓘ ⋮

Booking System Available Workers View Employee Add New Employee Create New Session Manage Bookings Manage Sessions Logout

Sessions

Booking ID	Worker	Day	Start Time	End Time	Action
1	Alex Flinn	2	12:00:00	13:00:00	Edit
2	Alex Flinn	2	10:00:00	11:30:00	Edit
3	Alex Flinn	3	11:00:00	13:00:00	Edit
4	Alex Flinn	4	09:00:00	10:30:00	Edit
5	Alex Flinn	5	09:00:00	09:30:00	Edit
6	Alex Flinn	6	13:00:00	14:00:00	Edit
7	Alex Flinn	7	14:00:00	15:00:00	Edit
8	Alex Flinn	1	12:00:00	12:30:00	Edit
9	Alex Flinn	2	09:00:00	10:00:00	Edit
10	Alex Flinn	3	15:00:00	16:00:00	Edit
11	John Smith	1	12:00:00	13:00:00	Edit
12	John Smith	2	10:30:00	11:00:00	Edit
13	John Smith	3	13:00:00	13:30:00	Edit
14	John Smith	4	14:00:00	15:30:00	Edit
15	John Smith	5	10:00:00	10:30:00	Edit

- **Display Worker's Profile**

By logging in the worker account and clicking on the “Account” button in the navigation bar. The worker is redirected to a page displaying all their details including service and assigned working hours.

Account Details

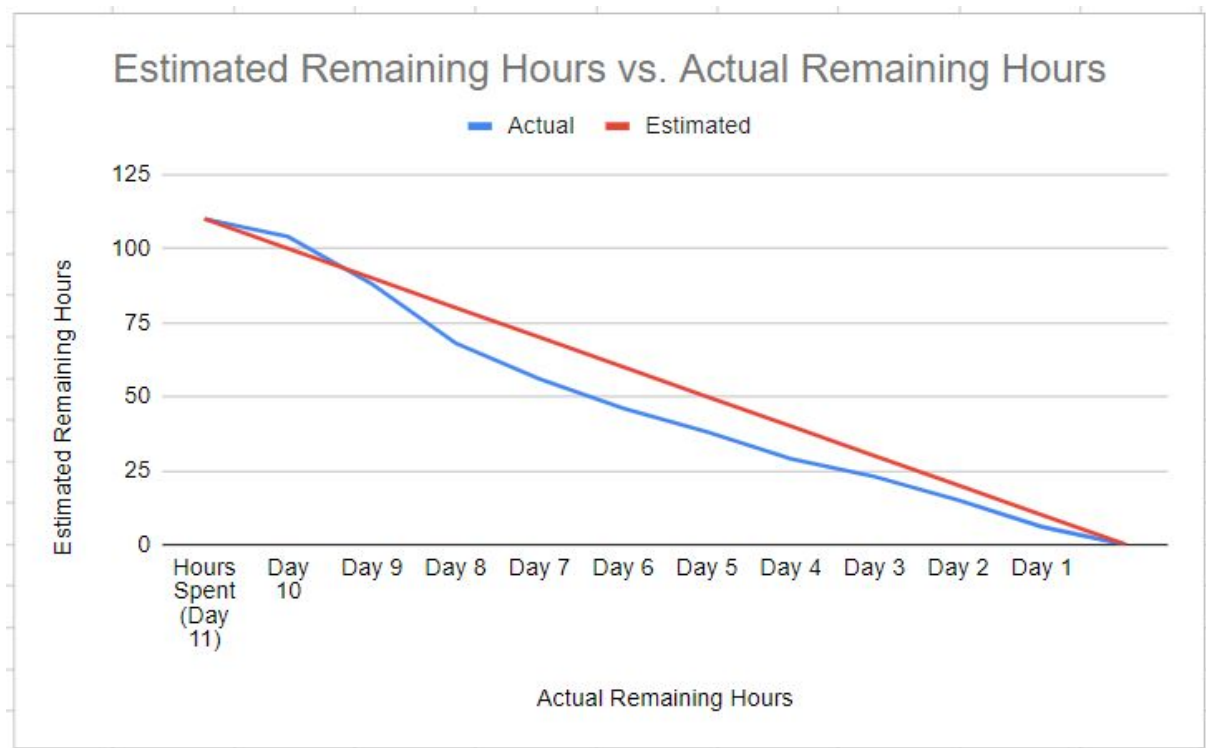
First Name: Alex
Last Name: Flinn
Phone Number: 477889998
Business Name: Melbourne Salon
Service: Haircut

Working Hour

Day	Start Time	End Time
Sunday	11:00:00	1
Monday	10:00:00	2
Tuesday	11:00:00	3
Wednesday	09:00:00	4
Thursday	09:00:00	5
Friday	13:00:00	6
Saturday	14:00:00	7
Sunday	12:00:00	8
Monday	09:00:00	9
Tuesday	15:00:00	10

Sprint Statistics

Task	Start Hours	Hours Spent (Day 11)	Day 10	Day 9	Day 8	Day 7	Day 6	Day 5	Day 4	Day 3	Day 2	Day 1	Total Hours
7.1	4	0	0	0	0	0	1	3	0	0	0	0	4
7.2	5	0	0	0	0	0	0	0	1	3	1	0	5
7.3	3	0	0	0	0	0	0	0	0	0	2	1	3
7.4	8	0	0	0	0	0	0	0	0	3	3	2	8
12.1	3	0	1	2	0	0	0	0	0	0	0	0	3
12.2	2	0	0	2	0	0	0	0	0	0	0	0	2
12.3	2	0	0	1	0	0	0	1	0	0	0	0	2
12.4	4	0	0	0	1	2	1	0	0	0	0	0	4
18.1	3	1	2	0	0	0	0	0	0	0	0	0	3
18.2	2	0	2	0	0	0	0	0	0	0	0	0	2
18.3	3	0	0	2	1	0	0	0	0	0	0	0	3
18.4	8	0	0	2	2	2	2	0	0	0	0	0	8
20.1	2	2	0	0	0	0	0	0	0	0	0	0	2
20.2	2	0	1	1	0	0	0	0	0	0	0	0	2
20.3	2	0	2	0	0	0	0	0	0	0	0	0	2
20.4	6	0	0	3	2	1	0	0	0	0	0	0	6
21.1	2	0	0	0	0	0	1	1	0	0	0	0	2
21.2	2	0	0	0	0	0	0	0	1	1	0	0	2
21.3	2	0	0	0	0	0	0	0	2	0	0	0	2
21.4	2	0	0	0	0	0	0	0	0	0	1	1	2
22.1	2	2	0	0	0	0	0	0	0	0	0	0	2
22.2	2	0	1	1	0	0	0	0	0	0	0	0	2
22.3	2	0	2	0	0	0	0	0	0	0	0	0	2
22.4	6	0	0	2	3	1	0	0	0	0	0	0	6
27.1	2	0	2	0	0	0	0	0	0	0	0	0	2
27.2	2	0	1	1	0	0	0	0	0	0	0	0	2
27.3	3	0	0	1	0	1	0	0	0	1	0	0	3
27.4	4	0	0	0	2	1	0	0	1	0	0	0	4
28.1	2	1	1	0	0	0	0	0	0	0	0	0	2
28.2	2	0	1	1	0	0	0	0	0	0	0	0	2
28.3	3	0	0	1	0	0	0	1	0	0	0	1	3
28.4	5	0	0	0	0	0	1	1	1	0	2	0	5
40	8	0	0	0	1	2	2	2	0	0	0	1	8
Actual Remaining Hours	110	104	88	68	56	46	38	29	23	15	6	0	110
Estimated Remaining Hours	110	100	90	80	70	60	50	40	30	20	10	0	



The last sprint had a total of 33 tasks, completed over 11 days. We spent a total of 110 hours to achieve this sprint. This was based on having 10 working hours a day. 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 exceptionally, as displayed by the blue line.

After the first day, the estimated hours were much higher than anticipated, especially from the third day to the ninth day, with the difference between the estimated remaining hours and the actual remaining hours, being approximately 5 hours each day. Therefore in saying this, we were able to complete the sprint by the deadline and we are all happy with the outcome of this sprint