



# UNIVERSITY OF WOLLONGONG AUSTRALIA

Course	Bachelor of Computer Science
Module	System Development Methodologies
Topic	Cafe Management System
Term	October - December (Q4)
Date of Submission	17/11/2023

## Contents

Group Member & Contribution .....	6
Pre-Sprint .....	7
Meeting Number 1.....	7
Meeting Number 2.....	8
Gantt Chart.....	8
Sprint 1.....	14
Meeting Number 3.....	14
User Stories.....	15
Use Case Diagram .....	17
Development Diagrams & Test Cases.....	21
User Story #01.....	22
User Story #02.....	26
User Story #03.....	29
User Story #04.....	33
User Story #05.....	36
User Story #06.....	40
User Story #07.....	43
User Story #08.....	46
User Story #09.....	49
User Story #10.....	53
User Story #11.....	57
User Story #12.....	60
User Story #13.....	63
User Story #14.....	66
User Story #15.....	69
User Story #23.....	73
User Story #24.....	76
User Story #25.....	79
User Story #26.....	82
User Story #35.....	86
User Story #36.....	89
User Story #37.....	92
User Story #38.....	95
User Story #44.....	99
User Story #45.....	102

User Story #46.....	105
User Story #47.....	108
Class Diagram.....	112
Data Persistence Diagram .....	112
Taiga Progress.....	113
Gantt Chart.....	126
Meeting Number 4.....	127
Sprint 2.....	128
Meeting Number 5.....	128
User Stories.....	129
Use Case Diagram .....	130
Development Diagrams & Test Cases.....	131
User Story #28.....	131
User Story #29.....	134
User Story #30.....	137
User Story #31.....	140
User Story #32.....	143
User Story #33.....	147
User Story #34.....	151
Class Diagram.....	154
Data Persistence Diagram .....	154
Taiga Progress.....	155
Gantt Chart.....	158
Meeting Number 6.....	159
Sprint 3.....	160
Meeting Number 7.....	160
User Stories.....	161
Use Case Diagram .....	161
Development Diagrams & Test Cases.....	162
User Story #39.....	162
User Story #40.....	165
User Story #41.....	168
User Story #42.....	172
User Story #43.....	176
Class Diagram.....	179
Data Persistence Diagram .....	180

Taiga Progress.....	181
Gantt Chart.....	183
Meeting Number 8.....	184
Sprint 4 .....	185
Meeting Number 9.....	185
User Stories.....	186
Use Case Diagram .....	187
Development Diagrams & Test Cases.....	189
User Story #16.....	189
User Story #17.....	192
User Story #18.....	195
User Story #19.....	198
User Story #20.....	201
User Story #21.....	204
User Story #22.....	207
User Story #27.....	210
Class Diagram.....	213
Data Persistence Diagram .....	214
Taiga Progress.....	215
Gantt Chart.....	219
Meeting Number 10.....	220
Overall Diagram & Chart .....	221
Class Diagram.....	221
Data Persistence Diagram .....	223
Gantt Chart (Whole Development).....	225
Continuous Integration & Continuous Development (CI/CD) .....	226
Data-Driven Development Strategy .....	229
Introduction .....	229
Model Requirement.....	229
Data Collection.....	229
Data Cleaning .....	230
Data Labelling.....	230
Feature Engineering.....	230
Model Training .....	230
Model Evaluation .....	230
Model Deployment .....	230

Model Monitoring.....	231
Test-Driven Development Plan.....	232
Ethical Consideration .....	233
Product.....	233
Process .....	233

## Group Member & Contribution

Name	UOWID	Contribution %	Contribution	Sign
Ben Lee Zhao De	7366589	100	Use Case Diagram Use Case Description BCE Diagram Sequence Diagram Ethical Considerations	
Cressensia Nathania Kosasih	7350624	100	Front End Development Wireframe	
Lee Kuok Wei	7673607	100	Use Case Diagram Use Case Description BCE Diagram Sequence Diagram Data-Driven Development Test- Driven Development	
Low Ying Shao, Jim	7366577	100	Front End Development CICD Management	
Tan Jing Zhi	7573261	100	Back End Development Test Plan & Test Cases	
Zhang Boyu	7896505	100	Back End Development Class Diagram Data Persistence Diagram	

# Pre-Sprint

## Meeting Number 1

### Meeting Details

Project Name	Cafe Management
Current Sprint Status	Pre-Sprint 1
Meeting Number	1
Date & Time	9-10-2023, 1000-1200
Location	SIM Block A
Meeting Objective	Meet all team members, understand, and discuss assignment requirements
Attendance	<ul style="list-style-type: none"><li>1. Ben Lee Zhao De</li><li>2. Cressensia Nathania Kosasih</li><li>3. Low Ying Shao, Jim</li><li>4. Lee Kuok Wei</li><li>5. Tan Jing Zhi</li><li>6. Zhang Boyu</li></ul>

### Discussion Topics

No.	Meeting Agenda
1.	Introduction Session
2.	<ul style="list-style-type: none"><li>Roles &amp; Responsibilities<ul style="list-style-type: none"><li>- Back-End: Zhang Boyu &amp; Tan Jing Zhi</li><li>- Front-End: Cressensia Nathania Kosasih &amp; Low Ying Shao, Jim</li><li>- Documentation: Lee Kuok Wei &amp; Ben Lee Zhao De</li></ul></li></ul>
3.	<ul style="list-style-type: none"><li>Discuss User Stories<ul style="list-style-type: none"><li>- Brainstorm User Stories for Whole Development.</li><li>- Select User Stories for Sprint 1 (System Admin)</li></ul></li></ul>

### Deliverables

No.	Tasks By Next Meeting (16-10-2023)	Execution Members
1.	Seek Approval on User Stories	Lee Kuok Wei
2.	Coders To Research on Suitable Languages.	Back-End Team Front-End Team

### Team Organization

1. Documentation Team: Lee Kuok Wei & Ben Lee
2. Front-End Team: Cressensia & Jim Low
3. Back-End Team: Zhang Boyu & Tan Jing Zhi

# Meeting Number 2

## Meeting Details

Project Name	Cafe Management
Current Sprint Status	Pre-Sprint 2
Meeting Number	2
Date & Time	15-10-2023, 2100-2300
Location	Discord Online
Meeting Objective	1. Finalise Sprint 1 User Stories. 2. Finalise Languages for Product Development
Attendance	All Members

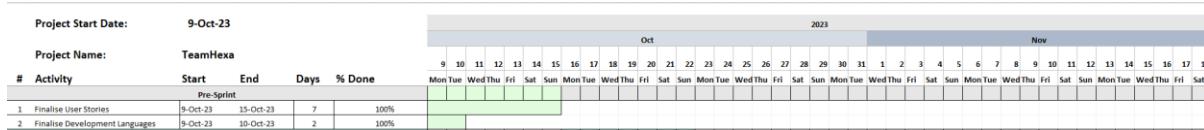
## Discussion Topic

No.	Meeting Agenda
1.	<b>Finalised Development Languages</b> <ul style="list-style-type: none"><li>- Front End: React JS</li><li>- Back End: Java</li><li>- Database: mySQL</li></ul>
2.	<b>Finalised Use Cases</b> <ul style="list-style-type: none"><li>- Proposed User Stories have been approved.</li><li>- Use Cases of System Admin are selected for Sprint 1 Development.</li></ul>

## Team Organization

1. Documentation Team: Lee Kuok Wei & Ben Lee
2. Front-End Team: Cressensia & Jim Low
3. Back-End Team: Zhang Boyu & Tan Jing Zhi

## Gantt Chart



## Backlog

Backlog 47 user stories			
		+ USER STORY	
Filters		subject or reference	Tags
USER STORY		STATUS	POINTS
<input type="checkbox"/> #1 As a System Admin, I want to create a user account so that the user can start using the system.		New	?
<input type="checkbox"/> #2 As a System Admin, I want to view all user accounts so that I can have an overview of all the created accounts.		New	?
<input type="checkbox"/> #3 As a System Admin, I want to view an account's details so that I can verify details of the account's user.		New	?
<input type="checkbox"/> #4 As a System Admin, I want to update a user account so that I can make changes to the account and ensure the details are up to date.		New	?
<input type="checkbox"/> #5 As a System Admin, I want to suspend a user account so that irrelevant accounts can be removed.		New	?

Backlog 47 user stories			
		+ USER STORY	
Filters		subject or reference	Tags
USER STORY		STATUS	POINTS
<input type="checkbox"/> #6 As a System Admin, I want to search for a user account so that I can find a specific user account based on username.		New	?
<input type="checkbox"/> #7 As a System Admin, I want to create a user profile so that each type of user can be differentiated.		New	?
<input type="checkbox"/> #8 As a System Admin, I want to view profiles so that I can check the profiles currently available.		New	?
<input type="checkbox"/> #9 As a System Admin, I want to update profiles so that profiles are up to date.		New	?
<input type="checkbox"/> #10 As a System Admin, I want to delete user profiles so that I can remove unwanted profiles.		New	?

## Backlog 47 user stories

[+ USER STORY](#)[Filters](#)subject or reference  Tags

USER STORY

STATUS

POINTS

- #11 As a System Admin, I want to search user profiles so that a specific profile can be found.

New



- #12 As a System Admin, I want to login to my own account so that I can use my account.

New



- #13 As a System Admin, I want to logout of my account so that I can exit my account and stop using the program.

New



- #14 As a System Admin, I want to view my own account details so that I can verify my own details.

New



- #15 As a System Admin, I want to update my own account details to ensure my particulars are up to date.

New



## Backlog 47 user stories

[+ USER STORY](#)[Filters](#)subject or reference  Tags

USER STORY

STATUS

POINTS

- #16 As a cafe manager, I want to view the cafe staff list so that I can have an overview of the current manpower distribution and the maximum work slots for the respective cafe staff.

New



- #17 As a cafe manager, I want to view bids from the cafe staff so that I can see the staff's preference for a work slot.

New



- #18 As a cafe manager, I want to view work slot detail so that I can have an overview of the respective staffing status.

New



- #19 As a cafe manager, I want to assign cafe staffs to unfilled roles so that all work slots are occupied.

New



- #20 As a cafe manager, I want to unassign staff from a work slot so that I can adjust the manpower distribution.

New



## Backlog 47 user stories

+ USER STORY



Filters

subject or reference

Tags

### USER STORY

### STATUS

### POINTS

- #21 As a cafe manager, I want to approve pending bids for work slots so that manpower is adequate for the respective work slots. New
- #22 As a cafe manager, I want to reject pending bids for work slots so that the cafe staff can bid for other work slots. New
- #23 As a cafe manager, I want to login to my own account so that I can use my account. New
- #24 As a cafe manager, I want to logout of my account so that I can exit my account and stop using the program. New
- #25 As a cafe manager, I want to view my own account details so that I can verify my own details. New

## Backlog 47 user stories

+ USER STORY



Filters

subject or reference

Tags

### USER STORY

### STATUS

### POINTS

- #26 As a cafe manager, I want to update my own account details to ensure my particulars are up to date. New
- #27 As a cafe staff, I want to view the work slots occupied by myself, so I know when I need to work. New
- #28 As a cafe staff, I want to create a bid for a work slot so that I can work based on my available schedule. New
- #29 As a cafe staff, I want to view a list of pending bids so that I can see the bids I have made so far. New
- #30 As a cafe staff, I want to view my successful bids so that I know which work slots I have bided are now part of my work schedule. New

## Backlog 47 user stories

[+ USER STORY](#)[Filters](#)subject or reference  Tags

USER STORY

STATUS

POINTS

<input type="checkbox"/>	#31 As a cafe staff, I want to view my rejected bids so that I know which work slots I have bided will not be a part of my work schedule.	New	<a href="#">?</a>	
<input type="checkbox"/>	#32 As a cafe staff, I want to update any pending bid that has yet to be approved, so that I can make changes to my bid according to my updated schedule.	New	<a href="#">?</a>	
<input type="checkbox"/>	#33 As a cafe staff, I want to delete my bid so that I can remove a bid that is no longer relevant.	New	<a href="#">?</a>	
<input type="checkbox"/>	#34 As a cafe staff, I want to search my bids so that I can find a specific bid easily.	New	<a href="#">?</a>	
<input type="checkbox"/>	#35 As a cafe staff, I want to login to my own account so that I can use my account.	New	<a href="#">?</a>	

## Backlog 47 user stories

[+ USER STORY](#)[Filters](#)subject or reference  Tags

USER STORY

STATUS

POINTS

<input type="checkbox"/>	#36 As a cafe staff, I want to logout of my account so that I can exit my account and stop using the program.	New	<a href="#">?</a>	
<input type="checkbox"/>	#37 As a cafe staff, I want to view my own account details which include role and max work slot so that I can verify that these details are correct.	New	<a href="#">?</a>	
<input type="checkbox"/>	#38 As a cafe staff, I want to update my own account details to ensure my particulars and max work slots are up to date.	New	<a href="#">?</a>	
<input type="checkbox"/>	#39 As a cafe owner, I want to create work slots so that the cafe staff can bid for the work slot.	New	<a href="#">?</a>	
<input type="checkbox"/>	#40 As a cafe owner, I want to view work slots so that I can have an overview of the created work slots.	New	<a href="#">?</a>	

## Backlog 47 user stories

[+ USER STORY](#)[Filters](#)subject or reference  Tags

USER STORY	STATUS	POINTS	≡
<input type="checkbox"/> #41 As a cafe owner, I want to update work slots so that I can make changes to the work slot.	New	<a href="#">?</a>	<a href="#">⋮</a>
<input type="checkbox"/> #42 As a cafe owner, I want to delete work slots so that I can make changes to the work schedule.	New	<a href="#">?</a>	<a href="#">⋮</a>
<input type="checkbox"/> #43 As a cafe owner, I want to search for work slots so that I can find specific work slots in a week.	New	<a href="#">?</a>	<a href="#">⋮</a>
<input type="checkbox"/> #44 As a cafe owner, I want to login to my own account so that I can use my account.	New	<a href="#">?</a>	<a href="#">⋮</a>
<input type="checkbox"/> #45 As a cafe owner, I want to logout of my account so that I can exit my account and stop using the program.	New	<a href="#">?</a>	<a href="#">⋮</a>
<input type="checkbox"/> #46 As a cafe owner, I want to view my own account details so that I can verify my own details.	New	<a href="#">?</a>	<a href="#">⋮</a>
<input type="checkbox"/> #47 As a cafe owner, I want to update my own account details so that my particulars are up to date.	New	<a href="#">?</a>	<a href="#">⋮</a>

# Sprint 1

## Meeting Number 3

### Meeting Details

Project Name	Cafe Management
Current Sprint Status	Sprint 1 Commencement
Meeting Number	3
Date & Time	16-10-2023, 1000-1200
Location	SIM Block A
Meeting Objective	Discuss Requirements for Sprint 1
Attendance	All Members

### Discussion Topics

No.	Meeting Agenda
1.	<b>Discussion on Sprint 1 User Flow for User Stories</b> <ul style="list-style-type: none"><li>- Use Cases of System Admin are selected for Sprint 1 Development.</li><li>- General visualisation of user flow for wireframe creation.</li></ul>
2.	<b>Commenced Development on Sprint 1 Backlog Items.</b> <ul style="list-style-type: none"><li>- Documentation Team starts Development Diagrams.</li><li>- Cressensia comes up with Wireframe.</li><li>- Back End &amp; Front End start coding based on agreed standard.</li><li>- Boyu handles Integration Work.</li><li>- Documentation Team conducts test plan and test cases.</li></ul>

### Deliverables

No.	Tasks By Next Meeting (16-10-2023)	Execution Members
1.	Sprint 1 Item: Development Diagrams. <ul style="list-style-type: none"><li>- Use Case Diagram</li><li>- Use Case Description</li><li>- BCE Diagram</li><li>- Sequence Diagram</li></ul>	Documentation Team
2.	Sprint 1 Item: Wireframe.	Cressensia
3.	Sprint 1 Item: Back End Development.	Back-End Team
4.	Sprint 1 Item: Front End Development.	Front-End Team
5.	Sprint 1 Item: Codes Integration & Database	Zhang Boyu
6.	Sprint 1 Item: Class Diagram	Zhang Boyu
7.	Sprint 1 Item: Complete Testing.	Tan Jing Zhi
8.	Sprint 1 Item: Compile Sprint Documentation.	Documentation Team

### Team Organization

1. Documentation Team: Lee Kuok Wei & Ben Lee
2. Front-End Team: Cressensia & Jim Low
3. Back-End Team: Zhang Boyu & Tan Jing Zhi

# User Stories

## System Admin

#1 As a System Admin, I want to create a user account so that the user can start using the system.

#2 As a System Admin, I want to view all user accounts so that I can have an overview of all the created accounts.

#3 As a System Admin, I want to view an account's details so that I can verify details of the account's user.

#4 As a System Admin, I want to update a user account so that I can make changes to the account and ensure the details are up to date.

#5 As a System Admin, I want to suspend a user account so that irrelevant accounts can be removed.

#6 As a System Admin, I want to search for a user account so that I can find a specific user account based on username.

#7 As a System Admin, I want to create a user profile so that each type of user can be differentiated.

#8 As a System Admin, I want to view profiles so that I can check the profiles currently available.

#9 As a System Admin, I want to update profiles so that profiles are up-to-date.

#10 As a System Admin, I want to suspend user profiles so that I can remove unwanted profiles.

#11 As a System Admin, I want to search user profiles so that a specific profile can be found.

#12 As a System Admin, I want to login to my own account so that I can use my account.

#13 As a System Admin, I want to logout of my account so that I can exit my account and stop using the program.

#14 As a System Admin, I want to view my own account details so that I can verify my own details.

#15 As a System Admin, I want to update my own account details to ensure my particulars are up to date.

## Café Manager

#23 As a cafe manager, I want to login to my own account so that I can use my account.

#24 As a cafe manager, I want to logout of my account so that I can exit my account and stop using the program.

#25 As a cafe manager, I want to view my own account details so that I can verify my own details.

#26 As a cafe manager, I want to update my own account details to ensure my particulars are up to date.

### Café Staff

#35 As a cafe staff, I want to login to my own account so that I can use my account.

#36 As a cafe staff, I want to logout of my account so that I can exit my account and stop using the program.

#37 As a cafe staff, I want to view my own account details which include role and max work slot so that I can verify that these details are correct.

#38 As a cafe staff, I want to update my own account details to ensure my particulars and max work slots are up to date.

### Café Owner

#44 As a cafe owner, I want to login to my own account so that I can use my account.

#45 As a cafe owner, I want to logout of my account so that I can exit my account and stop using the program.

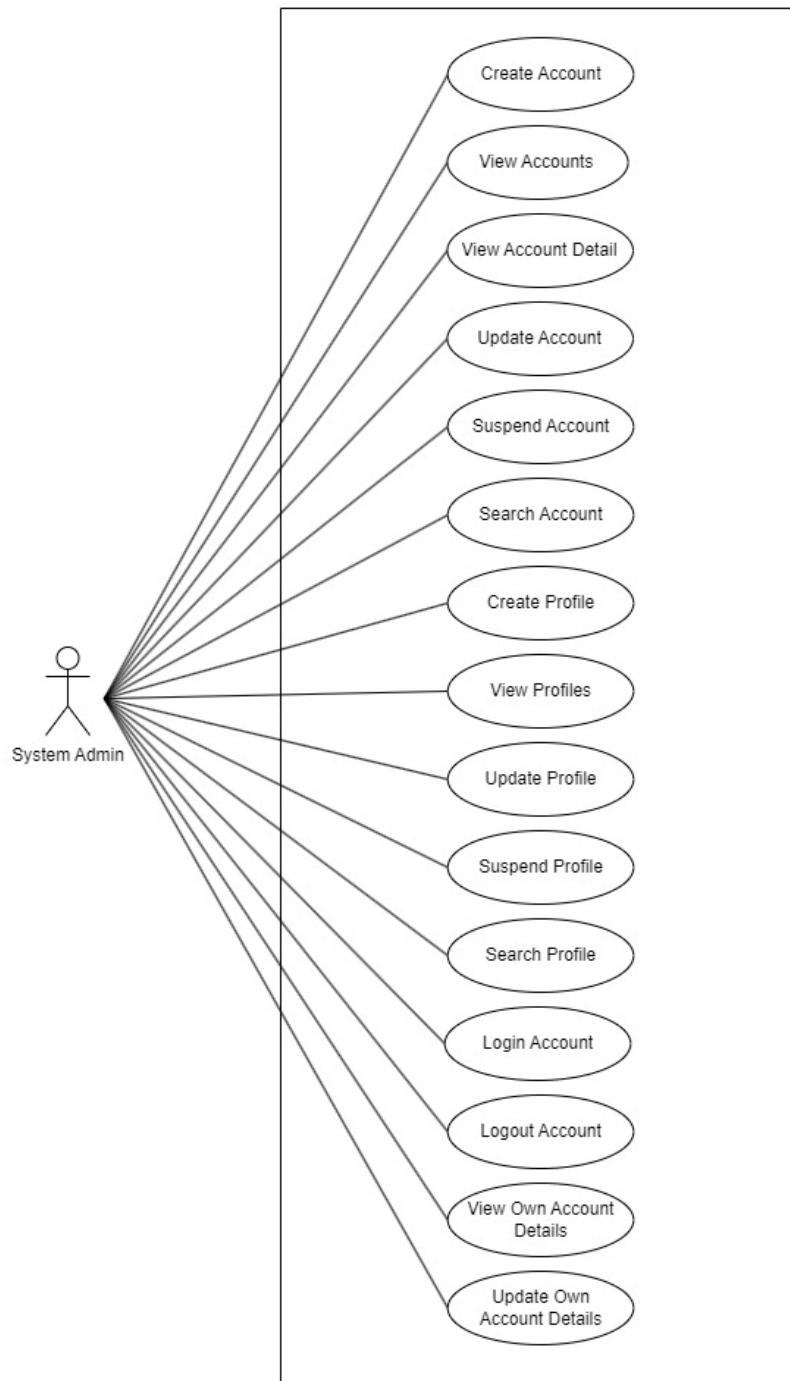
#46 As a cafe owner, I want to view my own account details so that I can verify my own details.

#47 As a cafe owner, I want to update my own account details so that my particulars are up to date.

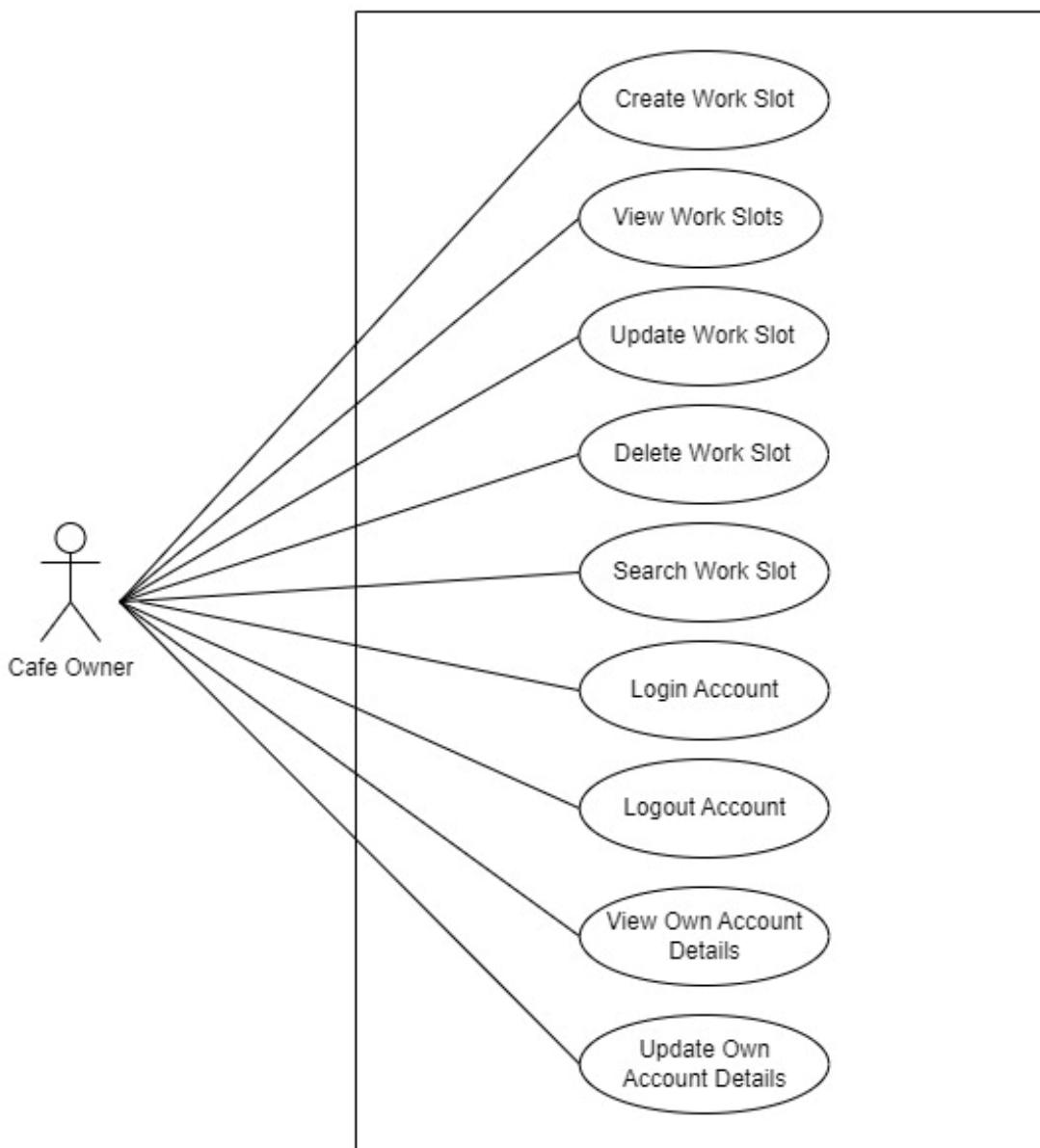
## Use Case Diagram

Below are the use case diagrams related to the user stories and use cases in Sprint1.

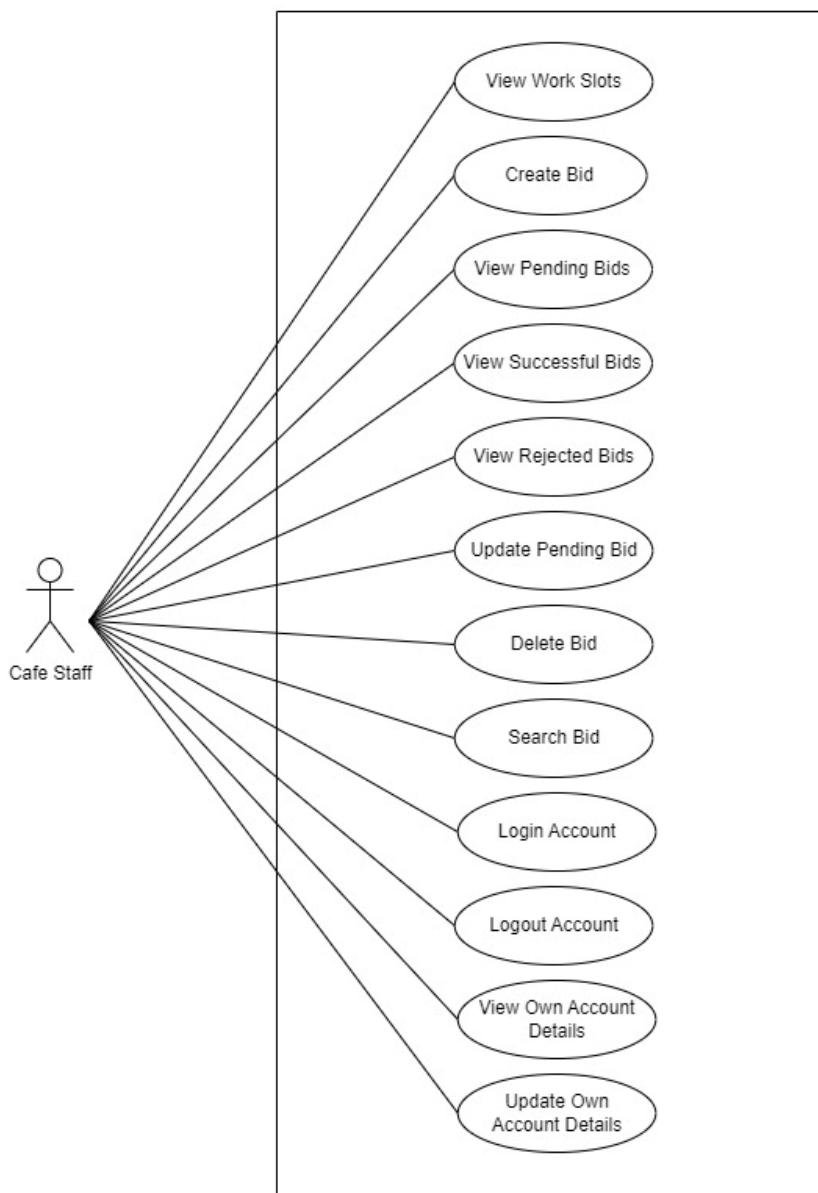
## System Admin Use Case Diagram



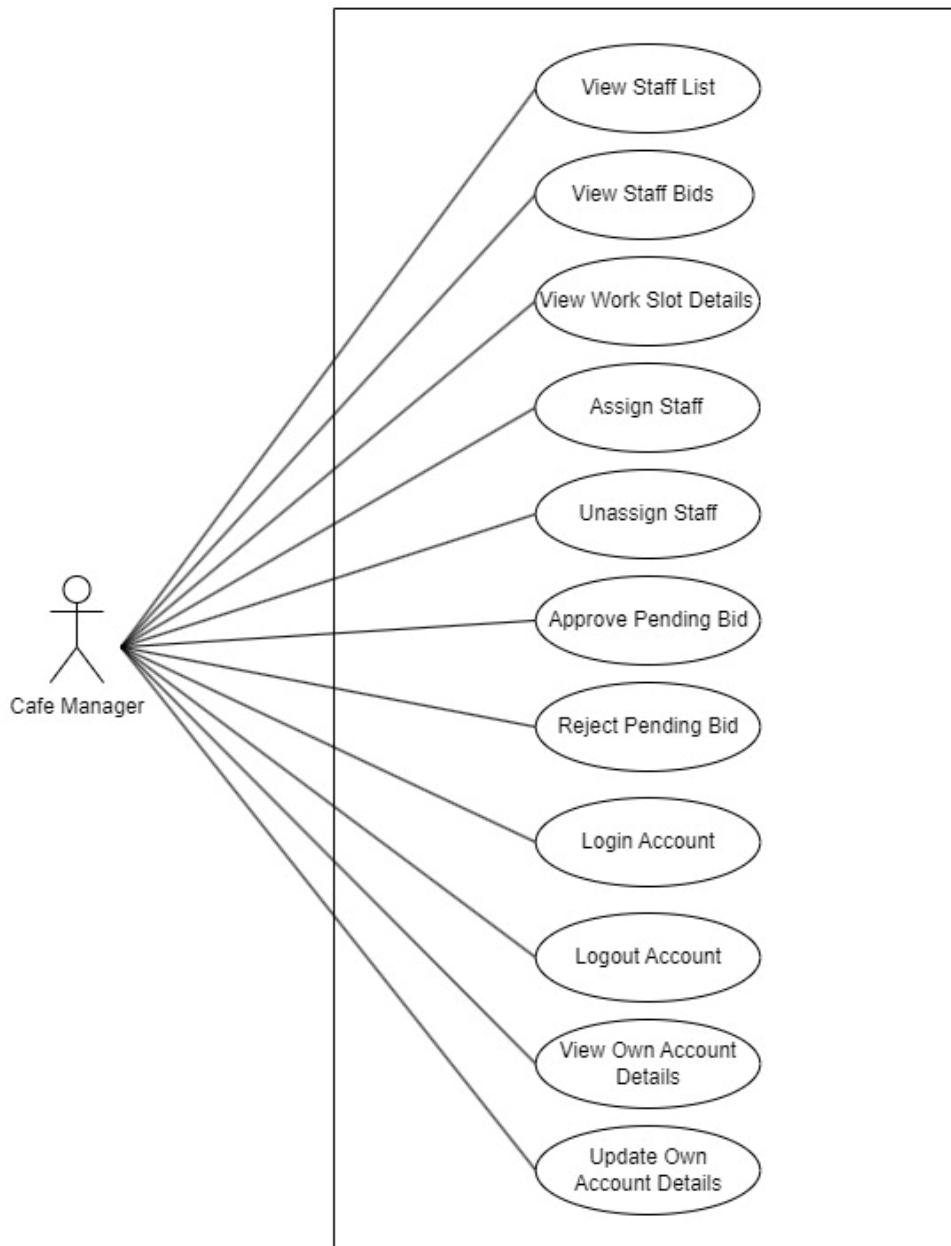
# Cafe Owner Use Case Diagram



# Cafe Staff Use Case Diagram



# Cafe Manager Use Case Diagram



## Development Diagrams & Test Cases

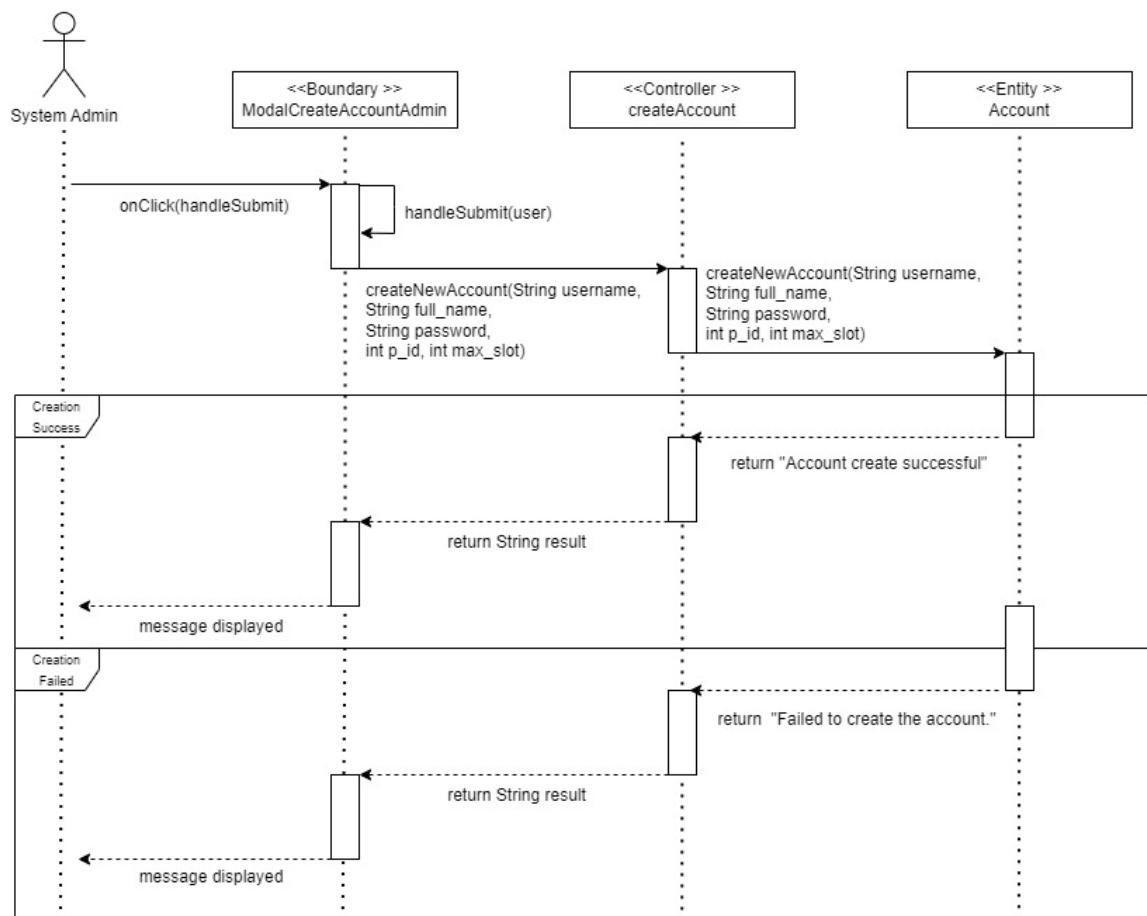
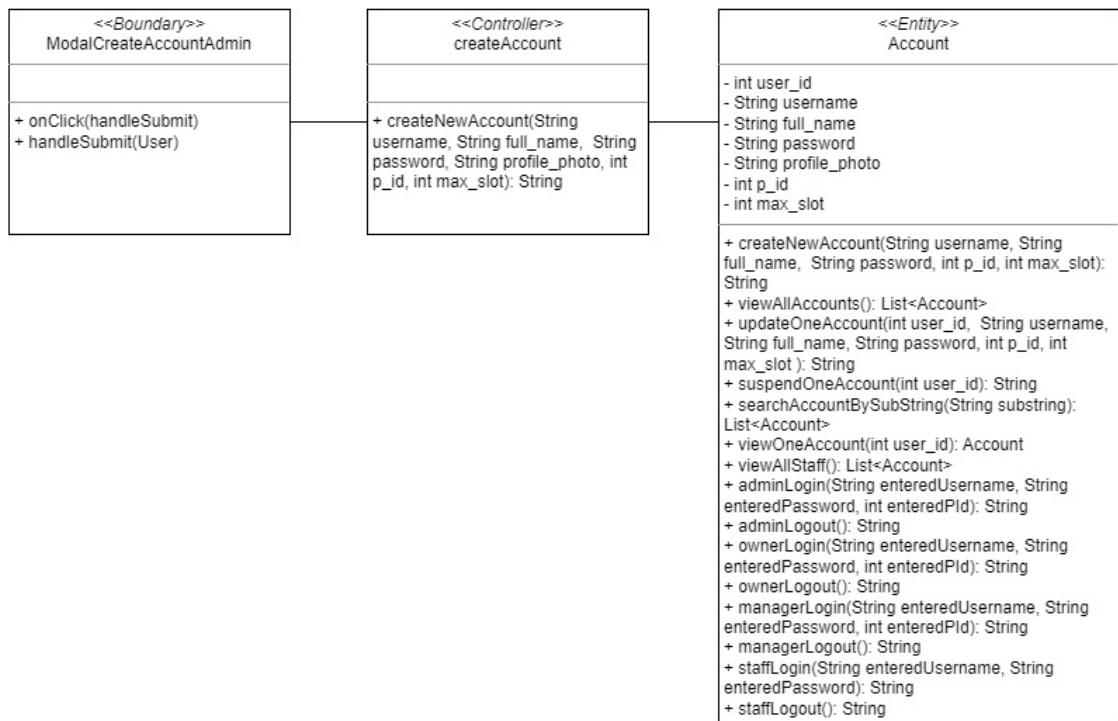
The following sub-header constitutes development diagrams and test cases of Sprint 1 user stories in the following order:

1. Use Case Description
2. BCE Diagram & Sequence Diagram
3. Product Wireframe
4. Test Cases

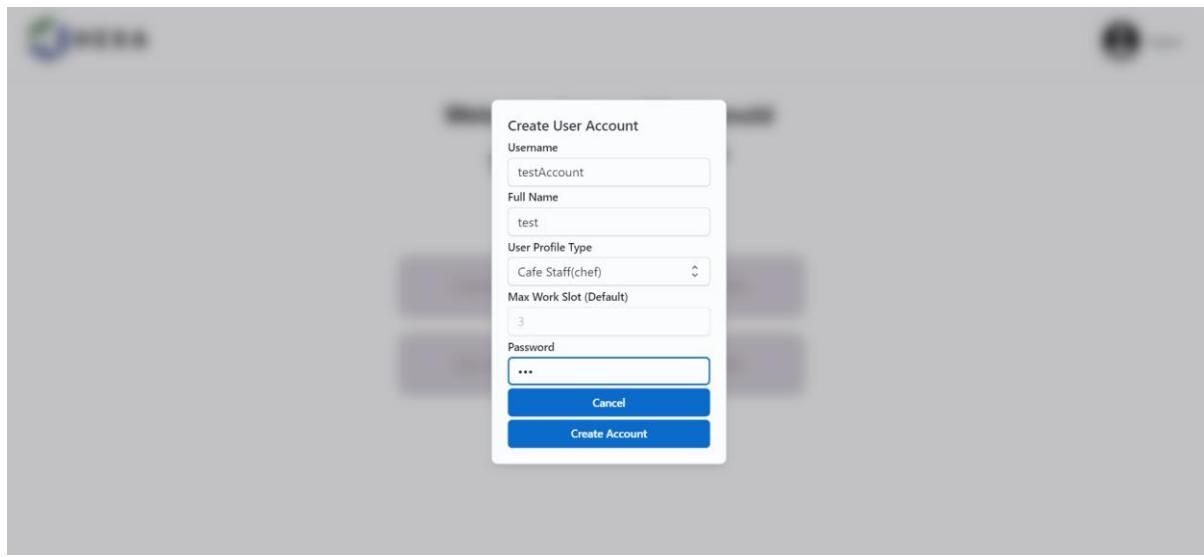
## User Story #01

<b>Name:</b> Create Account	ID: 1
<b>Stakeholders and goals:</b> System Admin - wants to create account	
<b>Description:</b> System Admin wants to create an account for users to use	
<b>Actor:</b> System Admin	
<b>Precondition:</b> System Admin must login to account	
<b>Trigger:</b> System admin clicks “Create Account” at “AdminDashboard” page	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. System admin clicks “Create Account” at the “AdminDashboard” page.</li><li>2. System will display a Create User Account modal window.</li><li>3. System Admin fills in the following account details.<ul style="list-style-type: none"><li>- Username</li><li>- Full Name</li><li>- User Profile Type</li><li>- Max Work Slot</li><li>- Password</li></ul></li><li>4. System Admin clicks the “Create Account” button.</li><li>5. System validates all input and creates a new account.</li><li>6. System will prompt a successful message.</li><li>7. System closes the modal window.</li><li>8. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> <ol style="list-style-type: none"><li>a: Null Input: The System Admin did not fill in certain fields inside the form, System will prompt an error message “Failed to create account”.</li><li>b: Existing username found: The System Admin enters an username that already exists, the system will prompt an error message “Failed to create the account”.</li></ol>	

# User Story # 01 System admin creates account



## User Story #1 Create Account

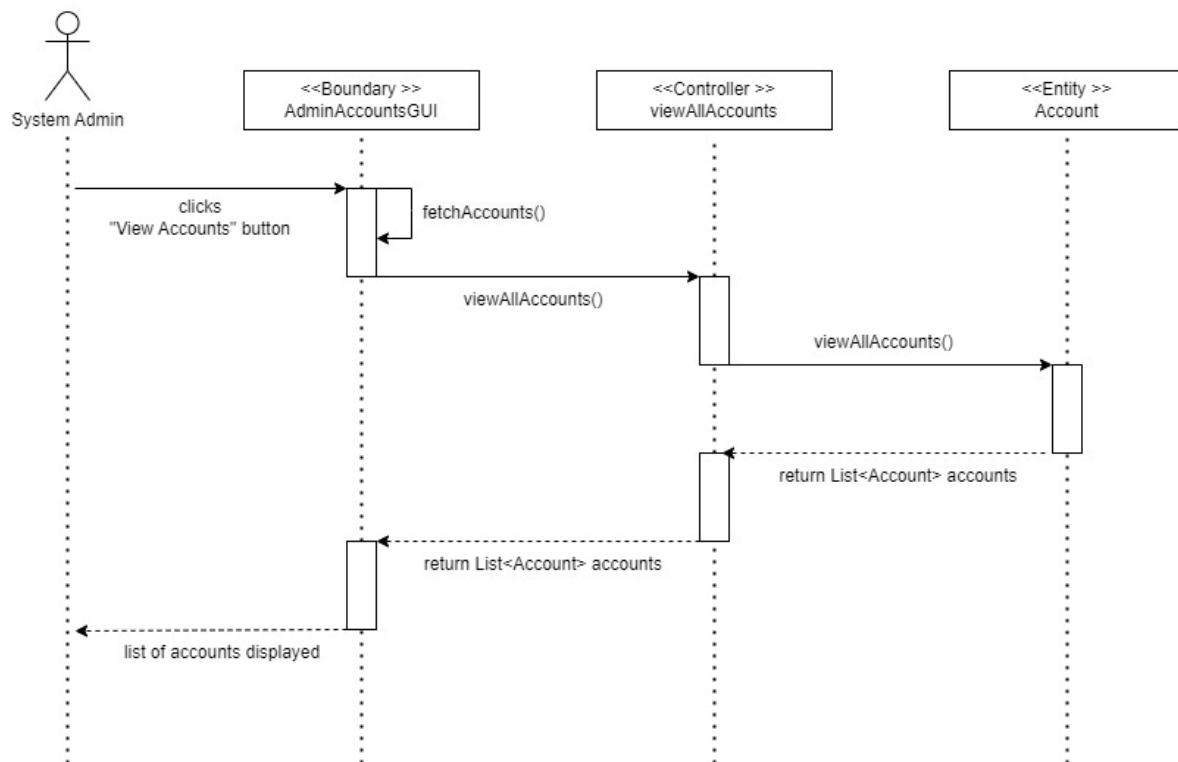
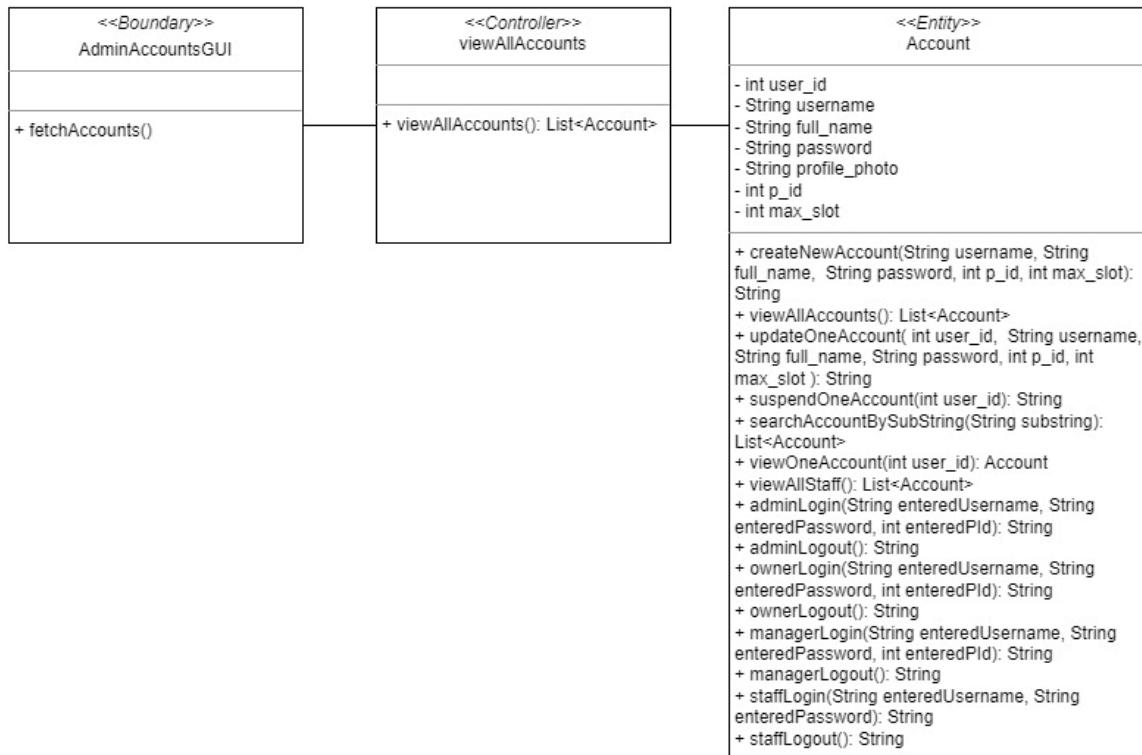


Create user account (System Admin)		User story 1			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC001	System admin tries to create user account	<p>Login as System admin</p> <p>Click “Create Account” at the “AdminDashboard” page</p> <p>Fill in all required attributes for new user account (username, full name, user profile type, Max work slot, profile picture, password)</p> <p>Click the “Create Account” button</p>	New user account is successfully created and display successful message	New user account is successfully created and display successful message	PASS
TC002	System admin tries to create user account with taken username	<p>Login as System admin</p> <p>Click “Create Account” at the “AdminDashboard” page</p> <p>Fill in all required attributes for new user account (username, full name, user profile type, Max work slot, profile picture, password) with existing username</p> <p>Click “Create Account” button</p>	System displays error message “Failed to create the account”	System displays error message “Failed to create the account”	PASS
TC003	System admin did not fill in certain field inside form and tries to create user account	<p>Login as System admin</p> <p>Click “Create Account” at the “AdminDashboard” page.</p> <p>Did not fill in all required attributes for new user account (username, full name, user profile type, Max work slot, profile picture, password)</p> <p>Click the “Create Account” button</p>	System displays error message “Failed to create the account”	System displays error message “Failed to create the account”	PASS

## User Story #02

<b>Name:</b> View Accounts	ID: 2
<b>Stakeholders and goals:</b> System Admin - wants to view all accounts	
<b>Description:</b> System Admin wants to view all the user accounts	
<b>Actor:</b> System Admin	
<b>Precondition:</b> System Admin must login to account	
<b>Trigger:</b> System Admin clicks “View Accounts” at “AdminDashboard” page	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. System Admin clicks on “View Accounts” at the “AdminDashboard” page.</li><li>2. System redirect System Admin to “AdminAccountsGUI” page with the following details:<ul style="list-style-type: none"><li>- Account ID</li><li>- Username</li><li>- Full Name</li><li>- Profile</li></ul></li><li>3. System Admin views the details shown by System.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 02 System admin views accounts.



## User Story #2 View Accounts



Admin

### List of accounts

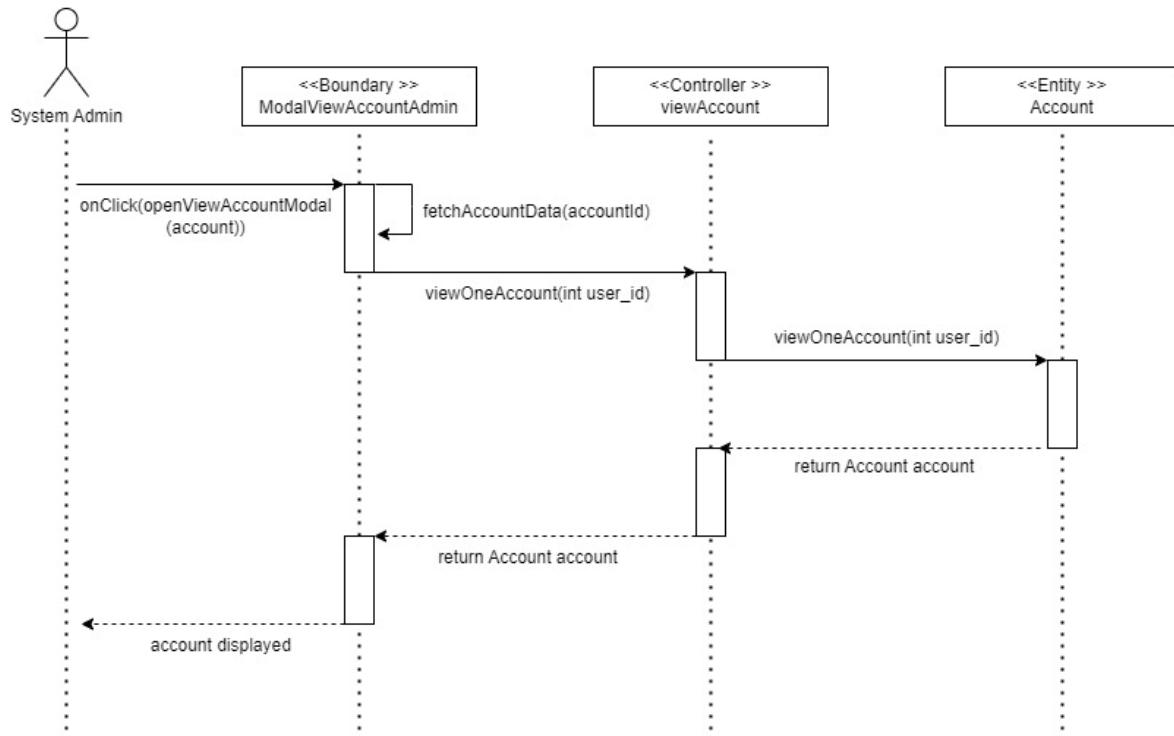
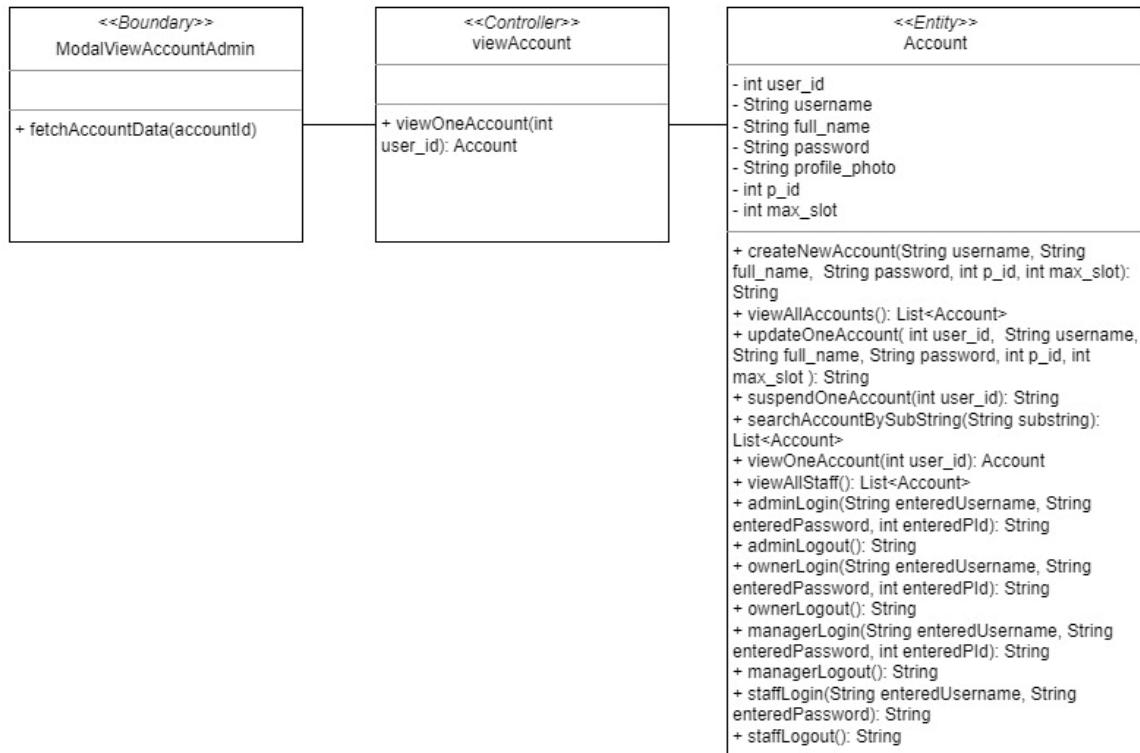
List of accounts			
Account ID	Username	Full Name	Profile
2	Owner	Owner	Cafe Owner
7	Boyu	Boyu	System Admin
10	Manager	Manager	Manager
12	user8	Boyu	Cafe Staff(chef)
14	user9	NoKiiN	Cafe Staff(waiter)
15	user10	NoKiiN2	Cafe Staff(chef)
16	user11	NoKiiN3	Cafe Staff(chef)

View All users account (System Admin)		User story 2			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC004	System admin tries to view all user account	Click "View Accounts" at "AdminDashboard" page	All user account information is displayed	All user account information is displayed	PASS

## User Story #03

<b>Name:</b> View Account Detail	ID: 3
<b>Stakeholders and goals:</b> System Admin - wants to view an account detail	
<b>Description:</b> System Admin wants to view an account detail	
<b>Actors:</b> System Admin	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. System Admin must login to account</li><li>2. System Admin must click on “View Accounts” at “AdminDashboard” page</li><li>3. System Admin clicks “Meatball Icon” beside the specified account under System Admin Dashboard</li></ol>	
<b>Trigger:</b> System admin clicks “View Account” on pop-up menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. System admin clicks “View Account” under the pop-up menu from the meatball icon.</li><li>2. System displays a window with the following details:<ul style="list-style-type: none"><li>- Account ID</li><li>- Username</li><li>- Full Name</li><li>- User Profile Type</li><li>- Max Work Slot</li></ul></li><li>3. System Admin views the details shown by System.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 03 System admin views an account detail.



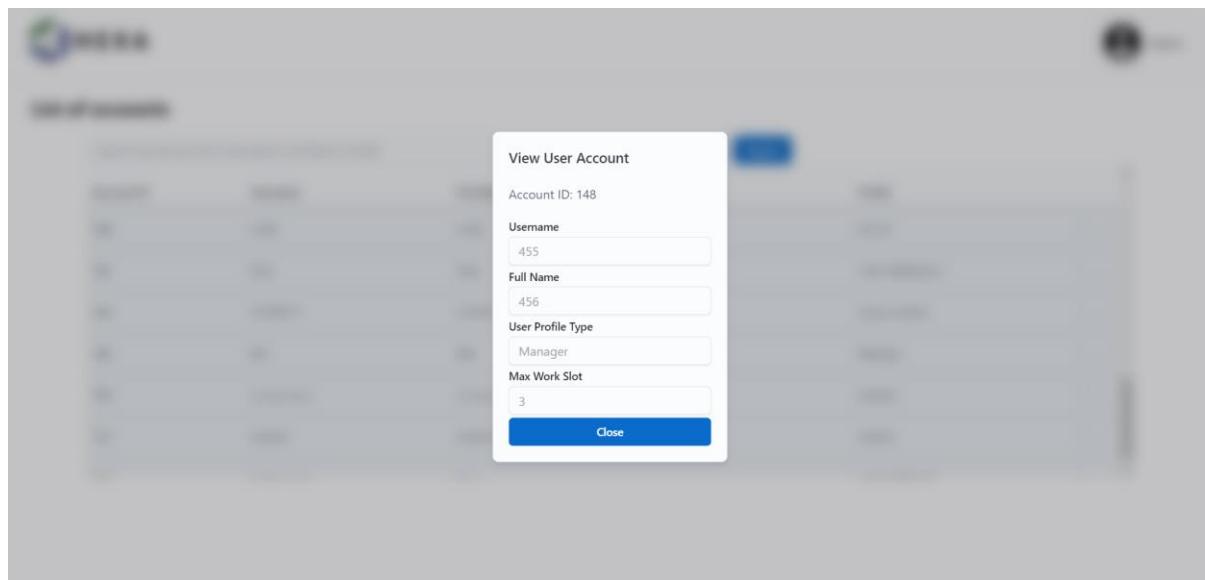
## User Story #3 View Account Detail



### List of accounts

List of accounts			
Account ID	Username	Full Name	Profile
144	test4	test4	ben10
145	final	final	Cafe Staff(waiter)
146	JUSTIN111	JUSTIN	System Admin
148	455	456	Manager
149	cccccccccccc	cccccccccccc	bunbun
163	mimmm	mimmm	teacher
164	testAccount	test	Cafe Staff(waiter)

**View Account**  
Update Account  
Suspend Account

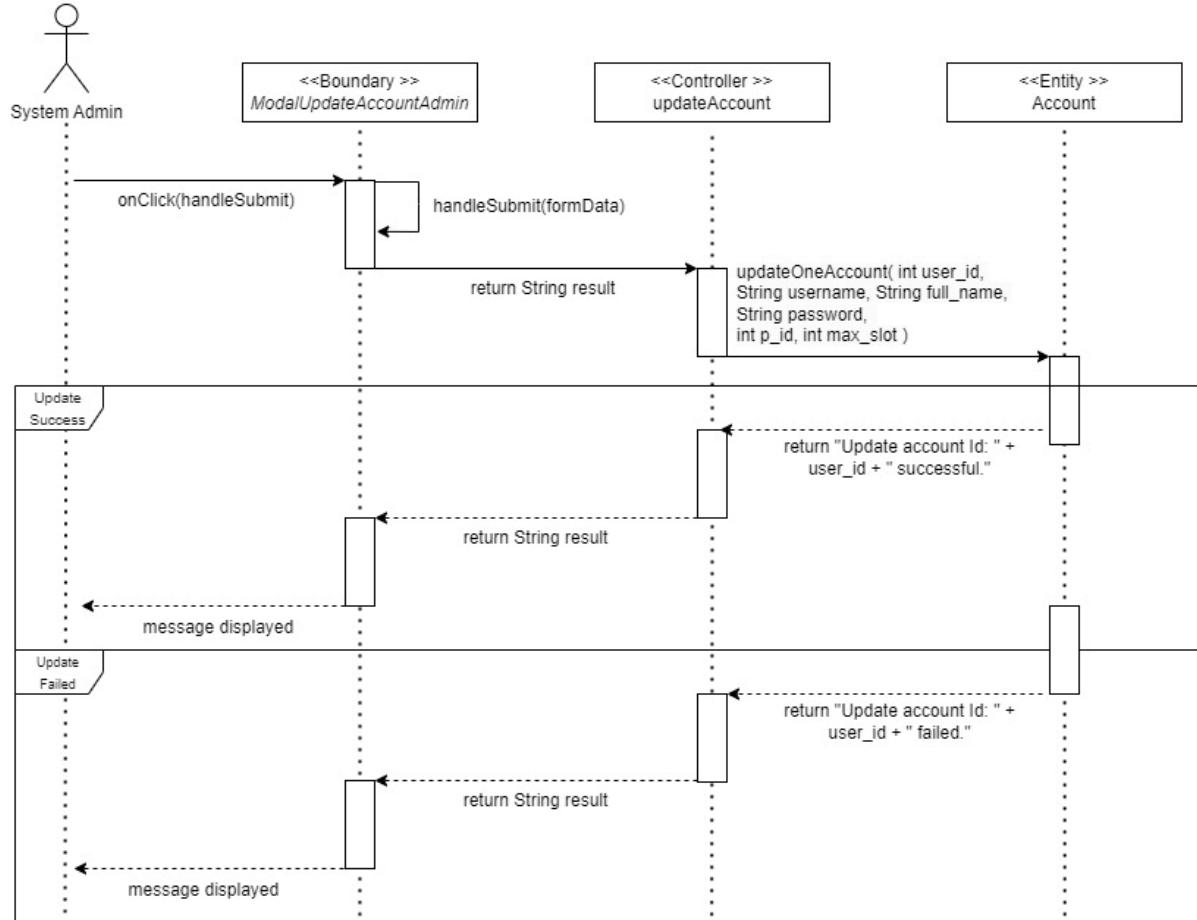
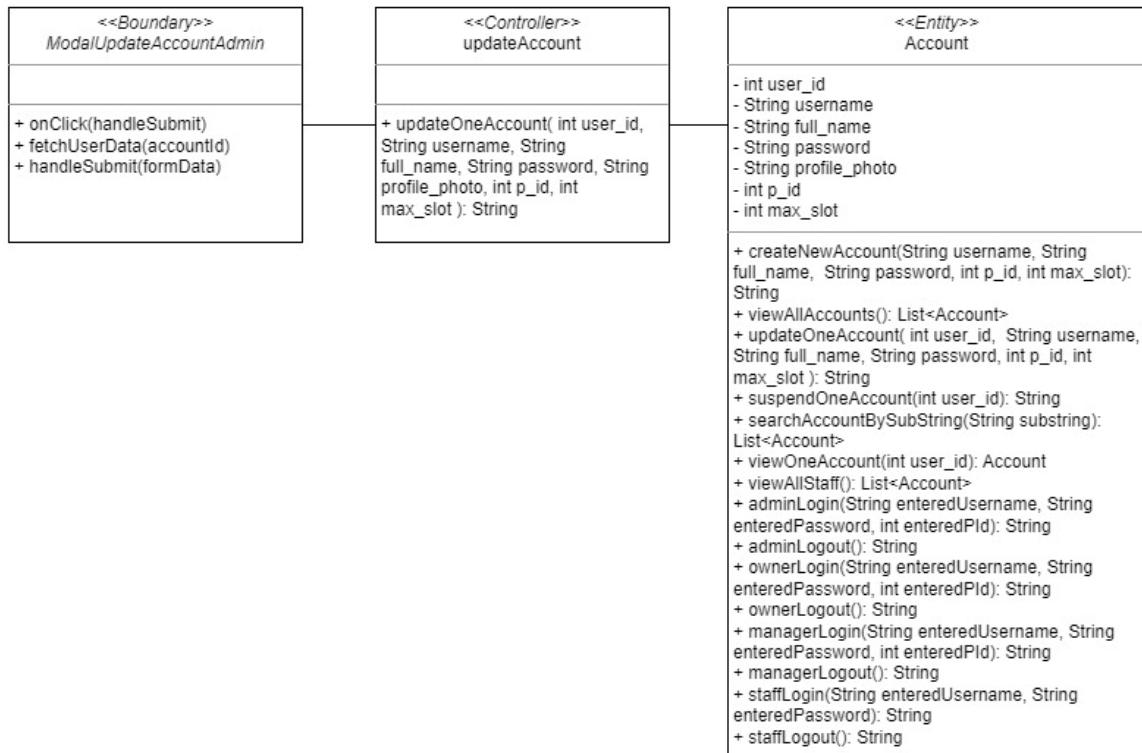


View an account's detail (System Admin)		User story 3			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC005	System admin tries to view an account's detail	Click "View Account" at "AdminDashboard"  Click "View Account". under the pop-up menu from the "meatball" icon beside the specified account under system admin dashboard	A user account information is displayed for the selected user	A user account information is displayed for the selected user	PASS

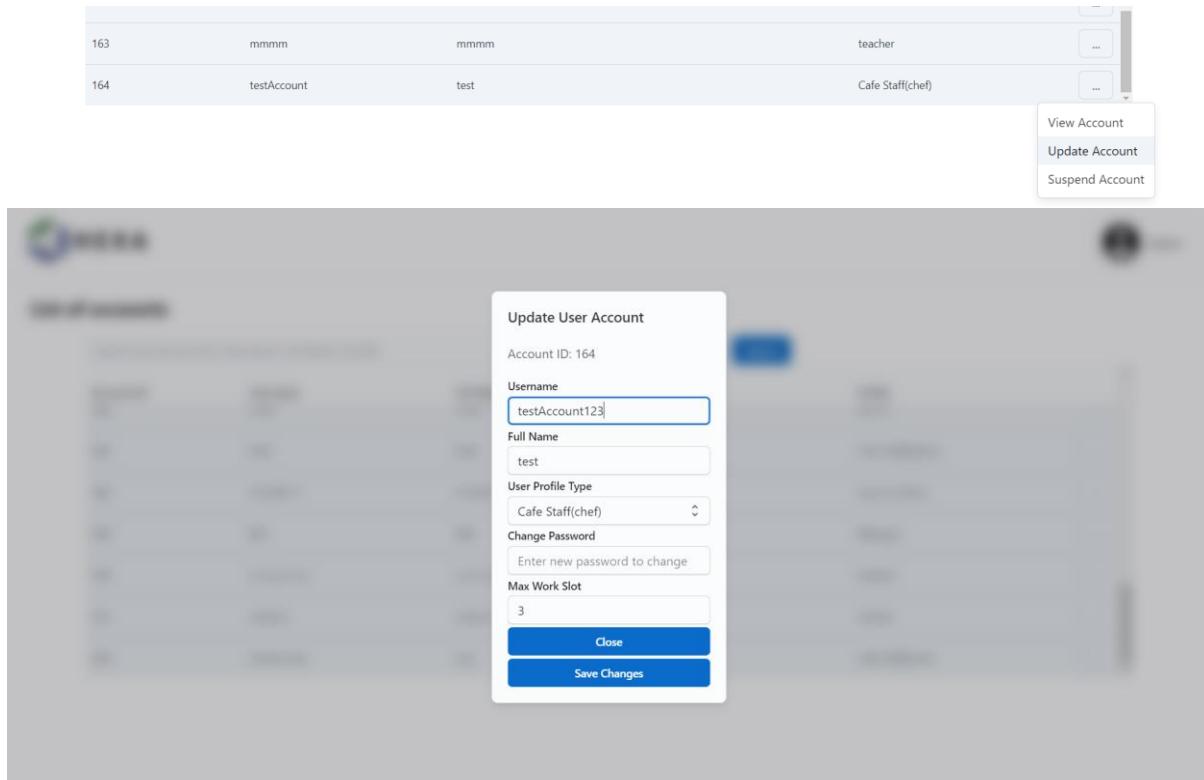
## User Story #04

<b>Name:</b> Update Account	ID: 4
<b>Stakeholders and goals:</b> System Admin - wants to update account	
<b>Description:</b> The System Admin can update the user account to make changes to the account	
<b>Actors:</b> System Admin	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. System Admin must login to the account.</li><li>2. System Admin must click on “View accounts” at “AdminDashboard” page</li><li>3. System Admin must click on the Meatball Icon beside the account</li></ol>	
<b>Trigger:</b> System Admin clicks on the “Edit account” button on the popup menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. System Admin clicks on the “Update account” button on the popup menu.</li><li>2. System will display a modal window with the following details.<ul style="list-style-type: none"><li>- Account ID</li><li>- Username</li><li>- Full Name</li><li>- User Profile Type</li><li>- Change Password</li><li>- Max Work Slot</li></ul></li><li>3. System Admin fills in the details and clicks the “Save Changes” button.</li><li>4. System validates the input and updates the account.</li><li>5. End.</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> <p>a: Existing username found: The System Admin enters an username that already exists, the system will prompt an error message “Update account Id: xx failed”.</p>	

## User Story # 04 System admin updates account.



## User Story #4 Update Account

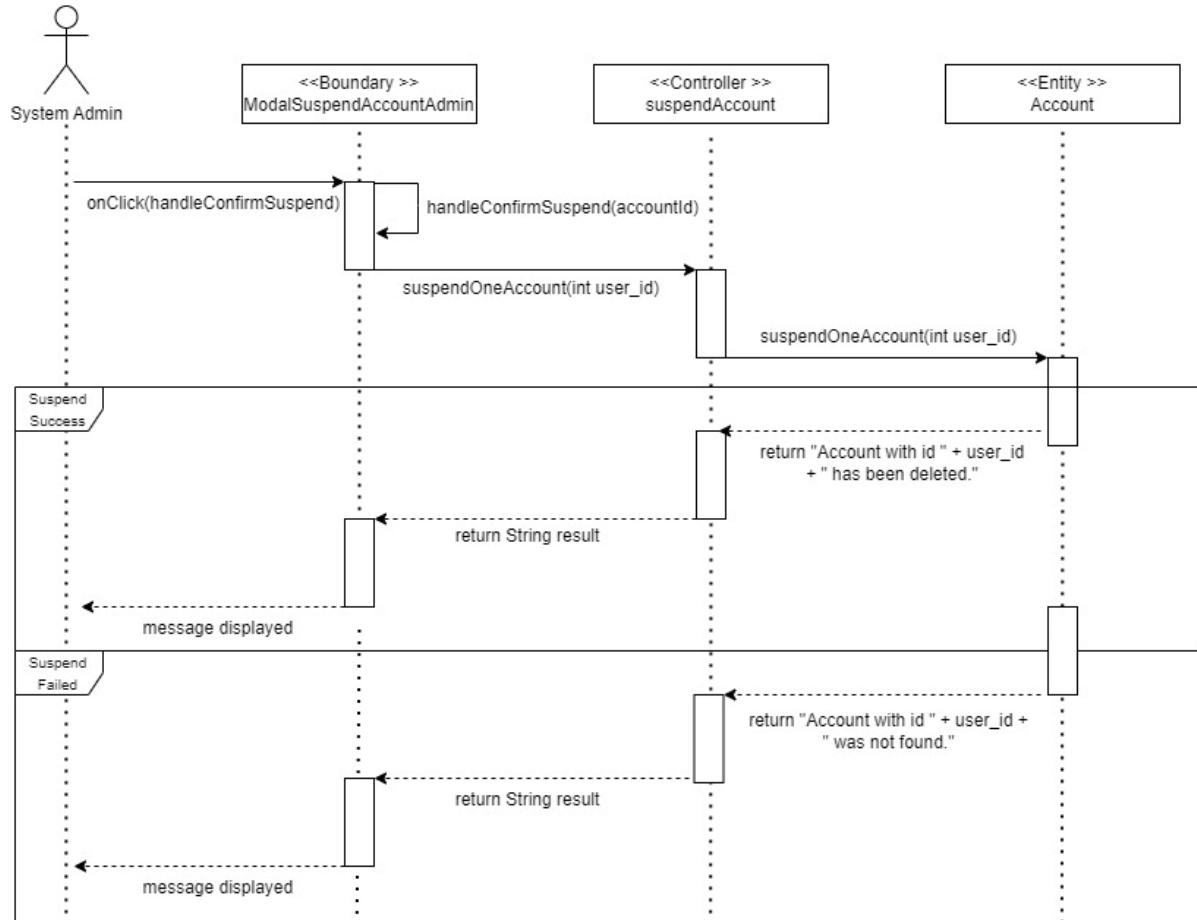
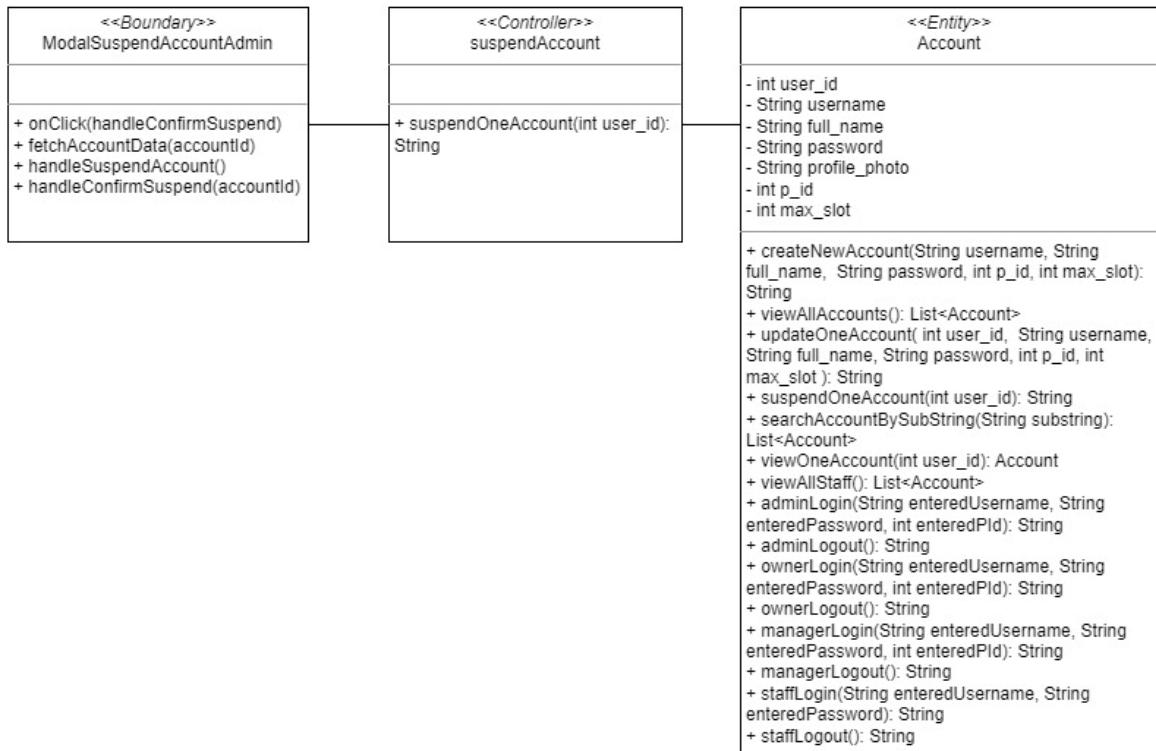


Update User Account (System Admin)		User story 4			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC006	System admin tries to update user account	<p>Click “View Accounts” at “AdminDashboard” page</p> <p>Click “Update Account” under the pop-up menu from the “meatball” icon</p> <p>Fill in the details and clicks the “Save Changes” button</p>	System updates the account	System updates the account	PASS
TC007	System admin did not fill in certain fields of the form when submitting	<p>Click “View Accounts” at “AdminDashboard” page</p> <p>Click “Update Account” under the pop up menu from the “meatball” icon</p> <p>Did not fill in the details and</p> <p>Click the “Save Changes” button</p>	System updates the account	System updates the account	PASS

## User Story #05

<b>Name:</b> Suspend Account	ID: 5
<b>Stakeholders and goals:</b> System Admin - wants to suspend account	
<b>Description:</b> System Admin wants to suspend a user account	
<b>Actors:</b> System Admin	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. System Admin must login to the account</li><li>2. System Admin must click on “View Accounts” at “AdminDashboard” page</li><li>3. System Admin must click on the Meatball Icon beside the account</li></ol>	
<b>Trigger:</b> System Admin clicks on the “Suspend Account” button on the popup menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. System Admin clicks on the “Suspend Account” button on the popup menu.</li><li>2. System will display a modal window with the following details.<ul style="list-style-type: none"><li>- Account ID</li><li>- Username</li><li>- Full Name</li><li>- User Profile Type</li><li>- Max Work Slot</li></ul></li><li>3. System Admin reviews account information and clicks on the “Suspend Account” button.</li><li>4. System pops up a window to confirm with the System Admin if the account is to be suspended.</li><li>5. System Admin clicks “Confirm Suspend”.</li><li>6. System terminates the account and redirects System Admin to a “List of accounts” page.</li><li>7. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> <ol style="list-style-type: none"><li>a: Invalid Account: The System Admin suspends a invalid account and the System prompts an error message "Account with id xx was not found."</li></ol>	

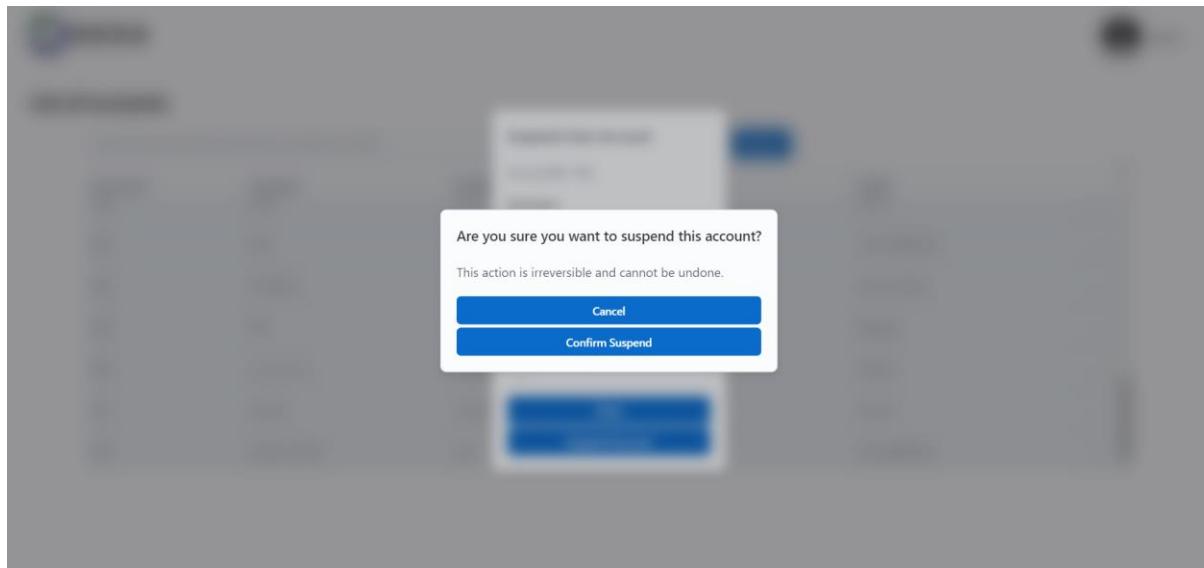
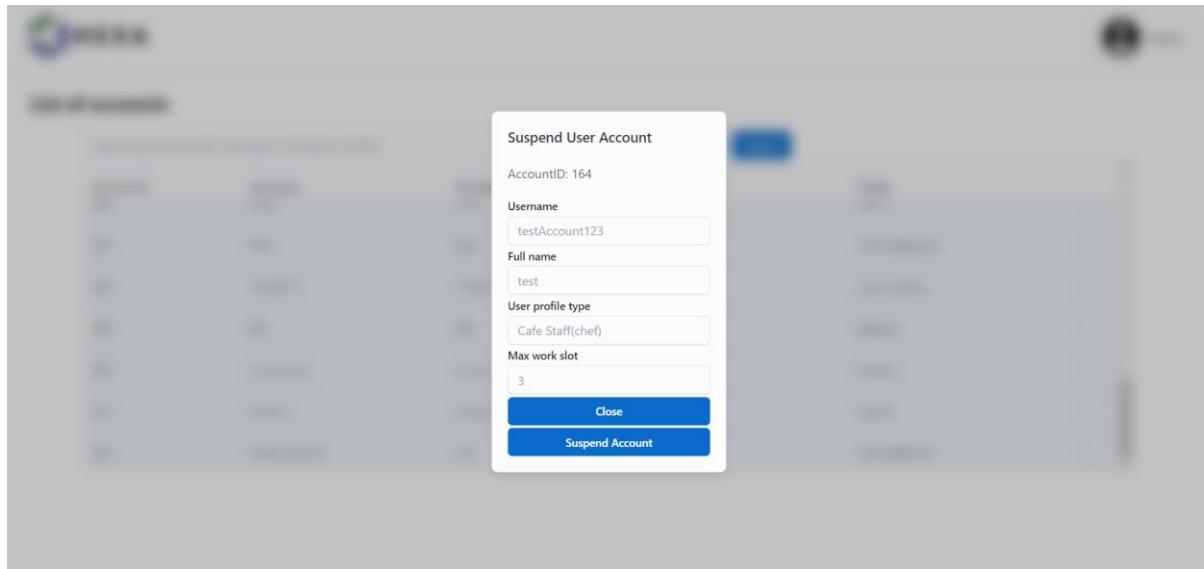
## User Story # 05 System admin suspends account.



## User Story #5 Suspend Account

163	mimmm	mmmm	teacher	...
164	testAccount123	test	Cafe Staff(chef)	...

[View Account](#)  
[Update Account](#)  
[Suspend Account](#)

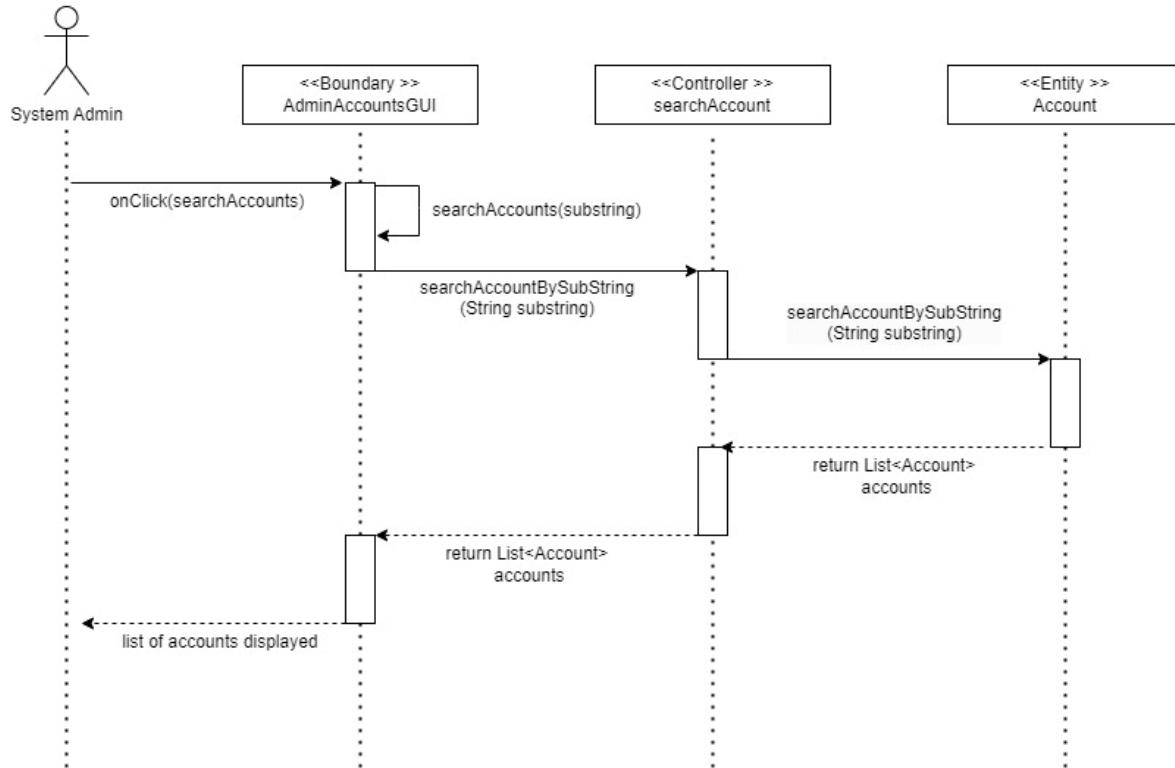
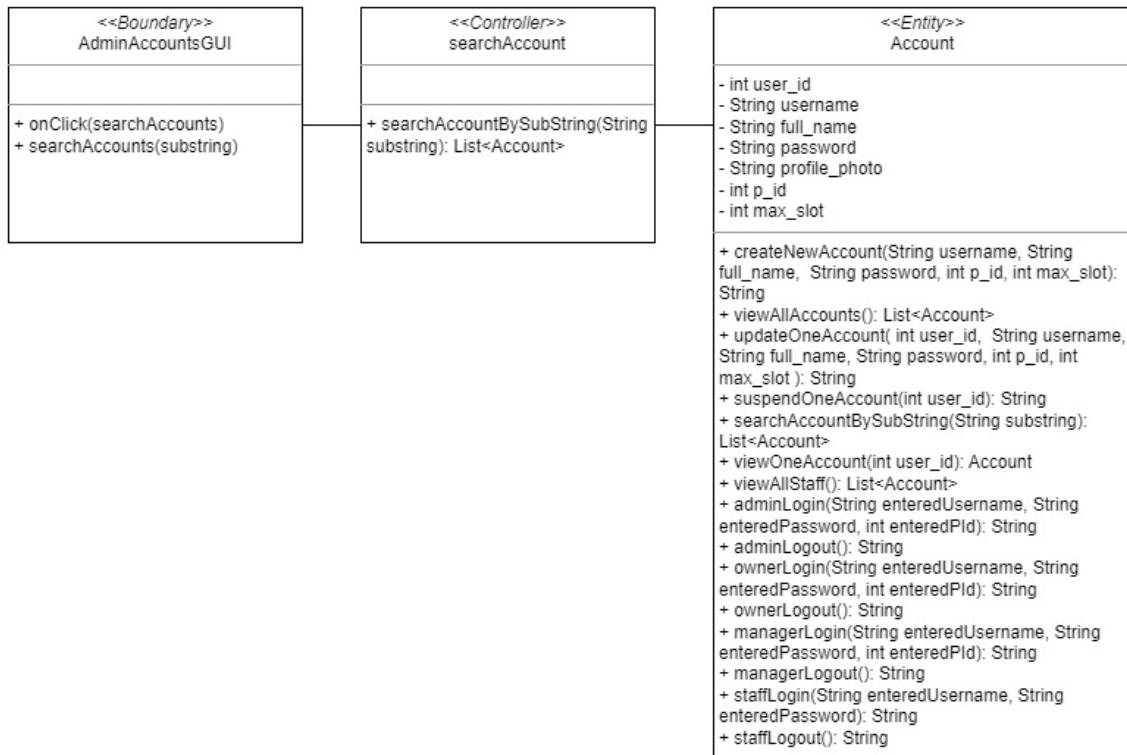


Suspend Account (System Admin)		User story 5			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC008	System admin tries to suspend account	<p>Click “View Accounts” at “AdminDashboard” page</p> <p>Click “Suspend Account” on the pop up menu from the “meatball” icon</p> <p>Click on the “Suspend Account” button</p> <p>System pop up a window to confirm with the system admin if the account is to be suspended</p> <p>Click “Confirm Suspend”</p>	System displays error message “Account with id <id> has been deleted”	System displays error message “Account with id <id> has been deleted”	PASS
TC009	System admin tries to suspend an invalid account	<p>Selects a user that is already suspended</p> <p>Click on the “Suspend Account” button</p> <p>System pop up a window to confirm with the system admin if the account is to be suspended.</p> <p>Click “Confirm Suspend”</p>	System displays error message “Account with id <id> was not found”	System displays error message “Account with id <id> was not found”	PASS

## User Story #06

<b>Name:</b> Search Account	ID: 6
<b>Stakeholders and goals:</b> System Admin - want to search for an account	
<b>Description:</b> System Admin wants to search for a User Account to find a specific user	
<b>Actors:</b> System Admin	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. System Admin must login to account</li><li>2. System Admin must click on “View Accounts” at “AdminDashboard” page</li></ol>	
<b>Trigger:</b> System Admin clicks on “Search” Button beside the search bar.	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. System Admin types relevant account information and clicks “Search” Button.</li><li>2. System searches for the relevant account using the information keyed in and returns the details of the user on the same page.</li><li>3. System Admin views the details shown by System</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 06 System admin search for account.



## User Story #6 Search Account



Admin

### List of accounts

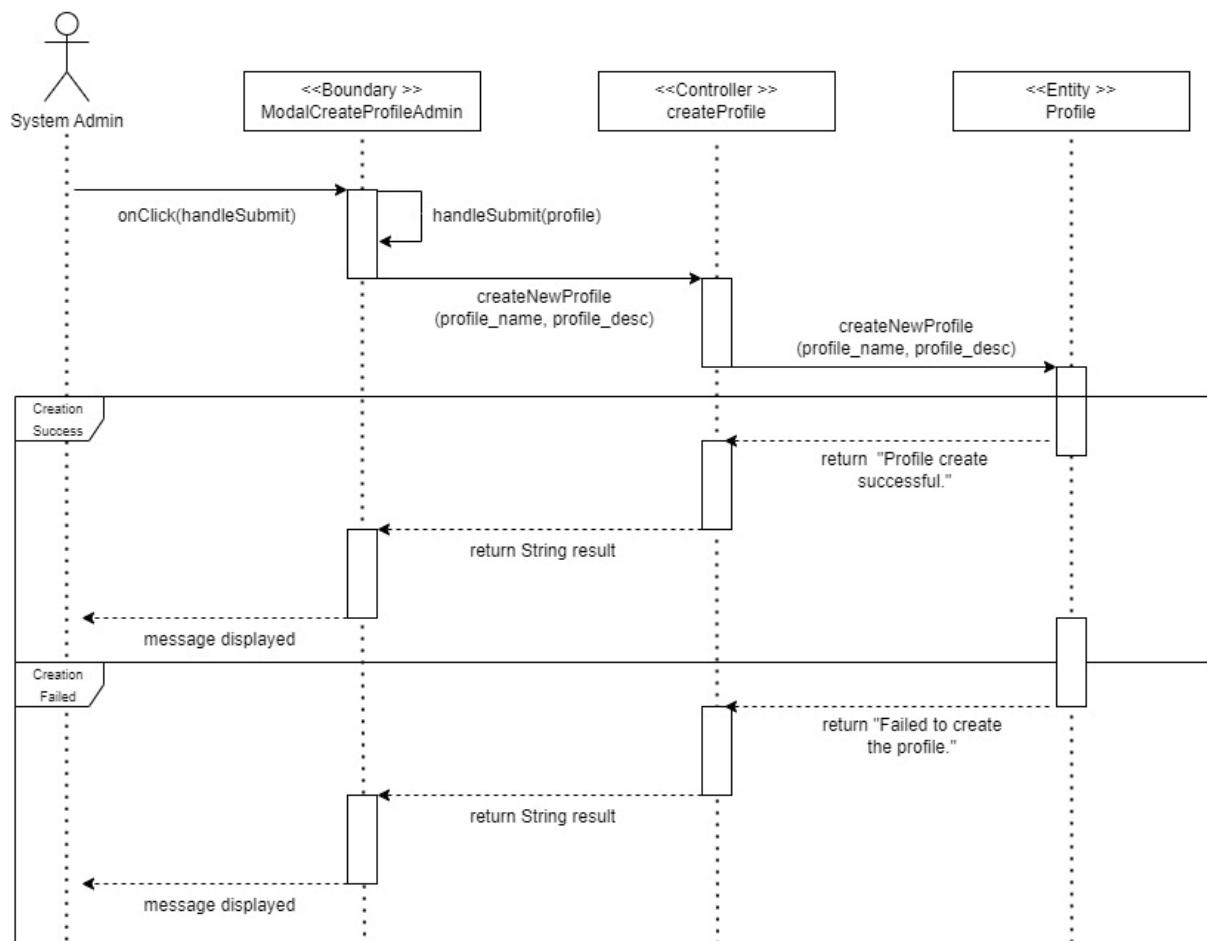
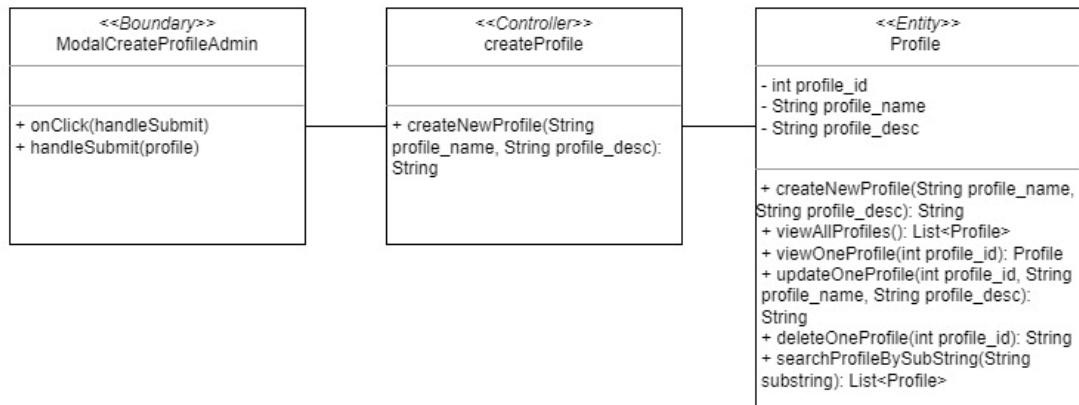
Owner				Search
Account ID	Username	Full Name	Profile	
2	Owner	Owner	Cafe Owner	...

Search Account (System Admin)		User story 6			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC010	System admin tries to Search for an account	Click on “View accounts” at “AdminDashboard” page Enter relevant account information (Account ID, Username, Full name, Profile) Click “Search” Button	A user account information is displayed for the selected user	A user account information is displayed for the selected user	PASS

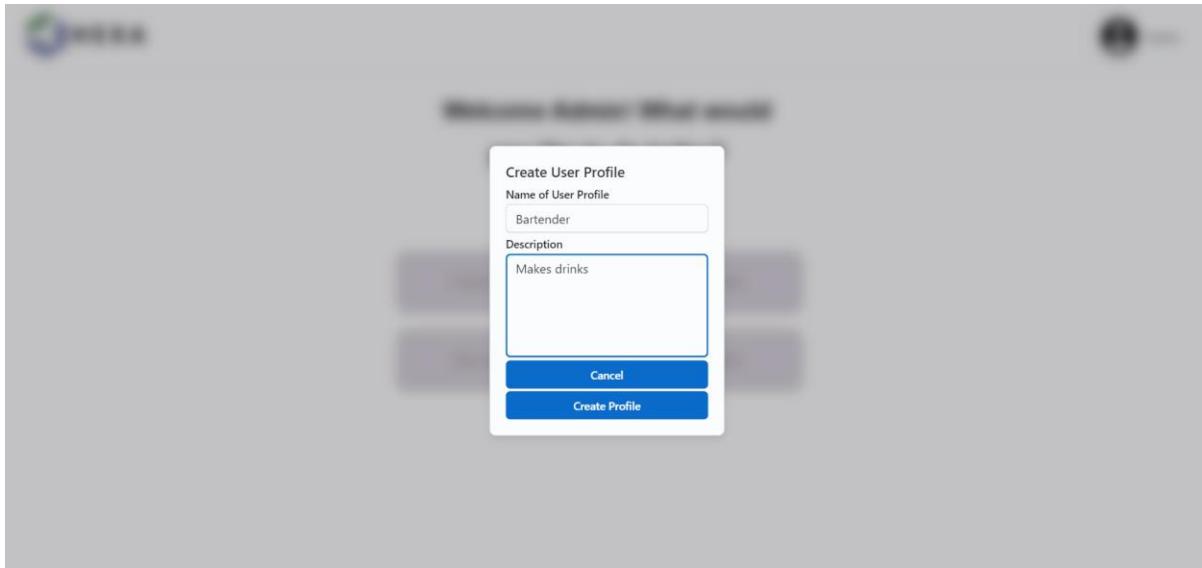
## User Story #07

<b>Name:</b> Create Profile	ID: 7
<b>Stakeholders and goals:</b> System Admin – wants to create profile	
<b>Description:</b> System Admin wants to create a user profile	
<b>Actors:</b> System Admin	
<b>Precondition:</b> System Admin must login to account	
<b>Trigger:</b> System Admin clicks “Create Profile” at “AdminDashboard” page	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. System Admin clicks the “Create Profile” button at System Admin Dashboard.</li><li>2. System will display a Create User Profile modal window.</li><li>3. System Admin fills in the following account details.<ul style="list-style-type: none"><li>- Name of User Profile</li><li>- Description</li></ul></li><li>4. System Admin clicks the “Create Profile” button.</li><li>5. System validates all input and creates a new profile.</li><li>6. System displays a window that indicates successful creation of a profile.</li><li>7. System closes the modal window.</li><li>8. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> <p>a: Existing profile name found: The System Admin enters an profile name that already exists, the system will prompt an error message “Failed to create the profile”.</p>	

## User Story # 07 System admin creates profile.



## User Story #7 Create Profile

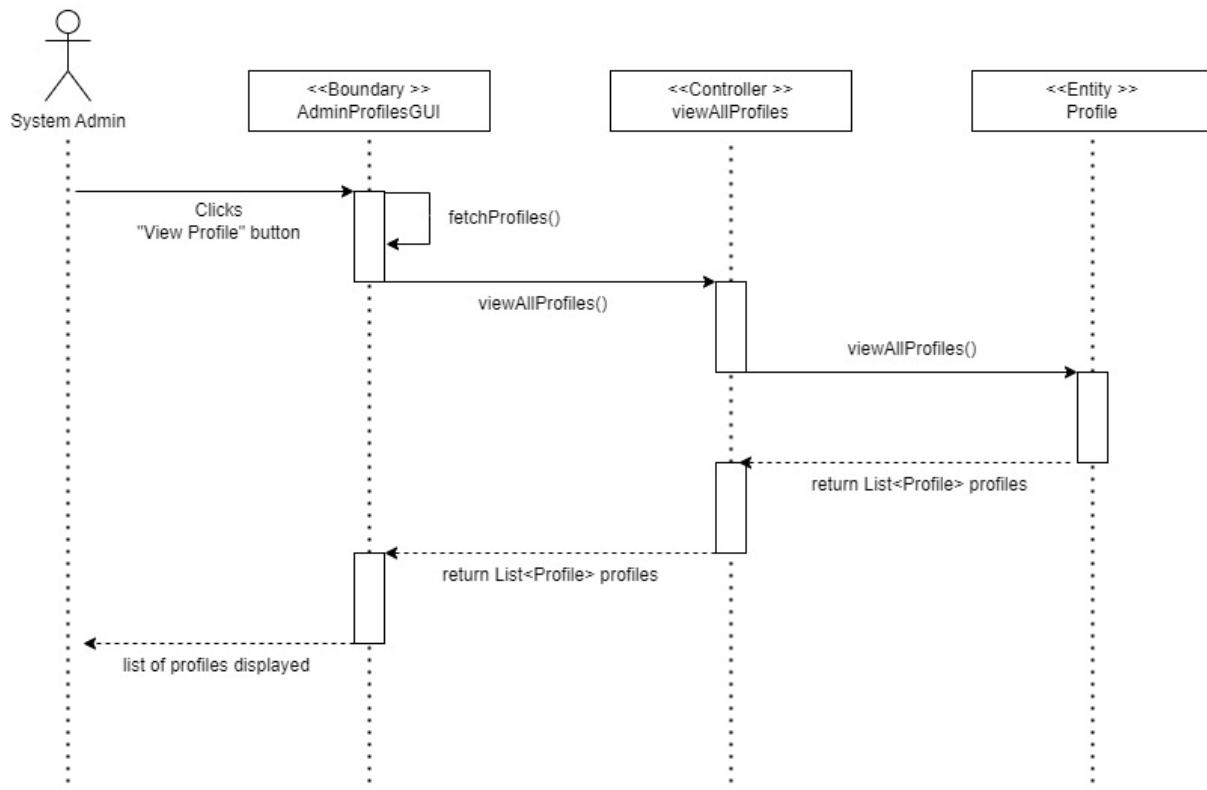
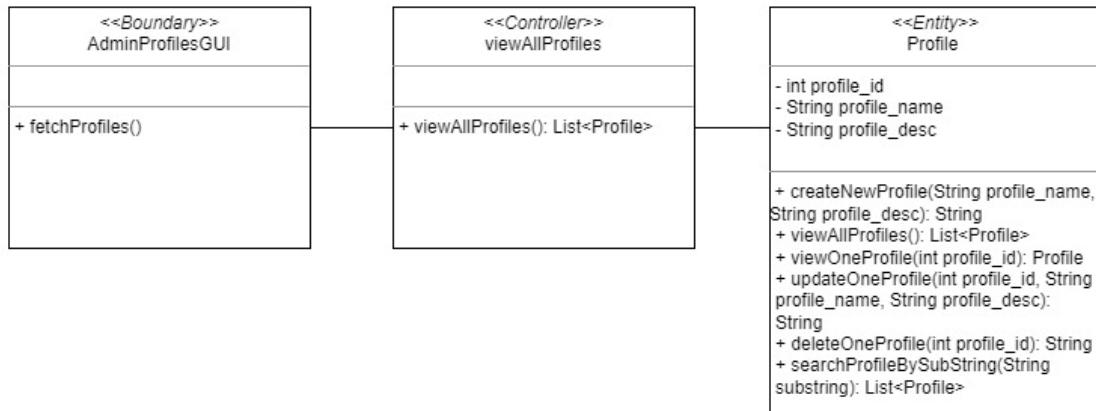


Create Profile (System Admin)		User story 7			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC011	System admin tries to create user profile	Click the "create profile" button at "AdminDashboard" page Fill in the account details (Name of user profile, Description) Click "Create Profile" button	System displays message "Profile create successful", New profile is successfully created in the database	System display message "Profile create successful", New profile is successfully created in the database	PASS
TC012	System admin did not fill in certain fields inside the form while create user profile	System admin clicks the "create profile" button at "AdminDashboard" page Did not fill in the account details (Name of user profile, Description), Click "Create Profile" button	System displays error message "Failed to create the profile"	System display error message "Failed to create the profile"	PASS

## User Story #08

<b>Name:</b> View Profiles	ID: 8
<b>Stakeholders and goals:</b> System Admin - wants to view profiles created	
<b>Description:</b> System Admin wants to view the list of profiles created	
<b>Actors:</b> System Admin	
<b>Precondition:</b>	
1. System Admin must login to the account 2. System Admin must click on “View Profiles” at “AdminDashboard” page	
<b>Trigger:</b> System Admin clicks “View Profiles” at “AdminDashboard” page	
<b>Normal flow:</b>	
1. System Admin clicks on “View Profiles” at the System Admin Dashboard. 2. System redirect System Admin to “AdminProfilesGUI” page with the following details. <ul style="list-style-type: none"><li>- Profile ID</li><li>- User Profile</li><li>- Profile Description</li></ul> 3. System Admin views the details shown by System. 4. End	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 08 System admin view profiles.



## User Story #8 View Profile

The screenshot shows the 'List of user profiles' page of the HEXA application. At the top, there is a search bar with the placeholder 'Search by Profile ID, User Profile, Profile Description' and a 'Search' button. Below the search bar is a table with the following data:

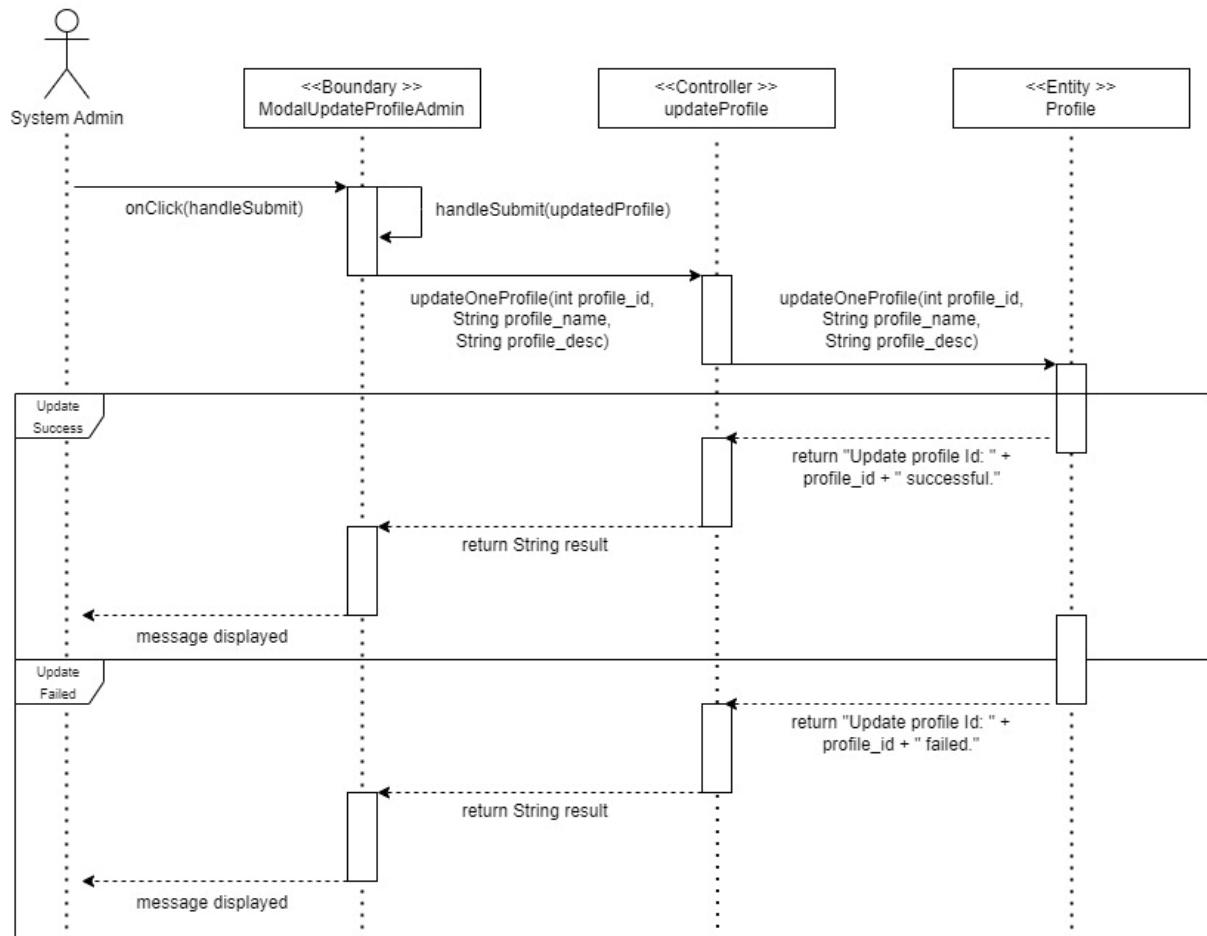
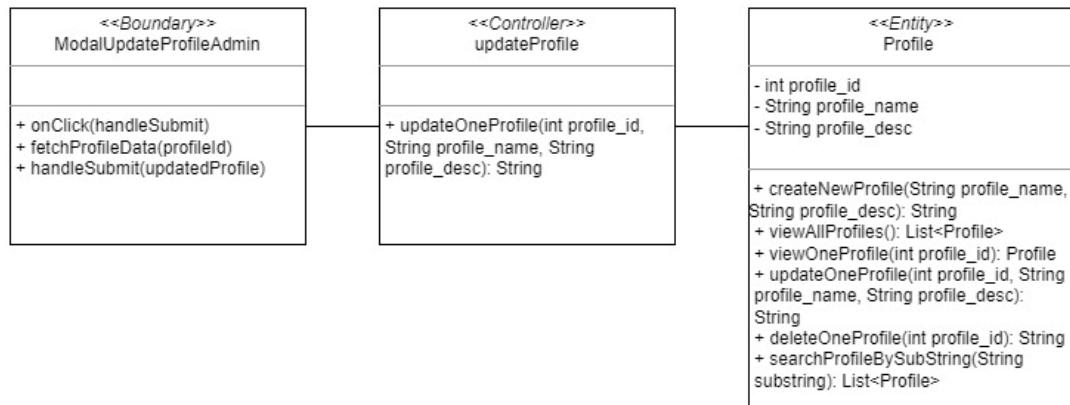
Profile ID	User Profile	Profile Description
1	Cafe Owner	The owner of a cafe, creating workslots. and collect money
2	Manager	Someone who gives orders and earns more than me
3	System Admin	System administrator.
4	Cafe Staff(chef)	Chef, cooking lo what else
5	Cafe Staff(cashier)	Cashier. lol collect money lo
7	Cafe Staff(waiter)	slave to the customers and boss
14	teacher	niso marks

View Profile (System Admin)		User story 8			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC013	System admin tries to view the list of profile created	Click on “View Profiles” at “AdminDashboard” page	System display all user profiles information	System display all user profile information	PASS

## User Story #09

<b>Name:</b> Update Profile	ID: 9
<b>Stakeholders and goals:</b> System Admin - wants to update profile	
<b>Description:</b> System Admin can update profile information	
<b>Actors:</b> System Admin	
<b>Precondition:</b>	
1. System Admin must login to the account 2. System Admin must click on “View Profiles” at “AdminDashboard” page 3. System Admin must click on the Meatball Icon beside the profile	
<b>Trigger:</b> System Admin clicks on the “Update Profile” button on the popup menu	
<b>Normal flow:</b>	
1. System Admin clicks on the “Update Profile” button on the popup menu. 2. System will display a modal window with the following details. <ul style="list-style-type: none"><li>- Profile ID</li><li>- Name of User Profile</li><li>- Description</li></ul> 3. System Admin fills in the details and clicks the “Save changes” button. 4. System validates the input and updates the profile information. 5. System displays a window that indicates successful update of a profile. 6. System closes the modal window. 7. System redirects the System Admin back to the “AdminProfilesGUI ” page. 8. End.	
<b>Sub-flows: None</b>	
<b>Alternative/Exceptional flows:</b>	
a: Null Input: The System Admin did not fill in certain fields inside the form when submitting, the System will prompt an error message “Update profile Id: xx failed”.	
a: Existing profile name found: The System Admin enters an profile name that already exists, the system will prompt an error message “Update profile Id: xx failed”.	

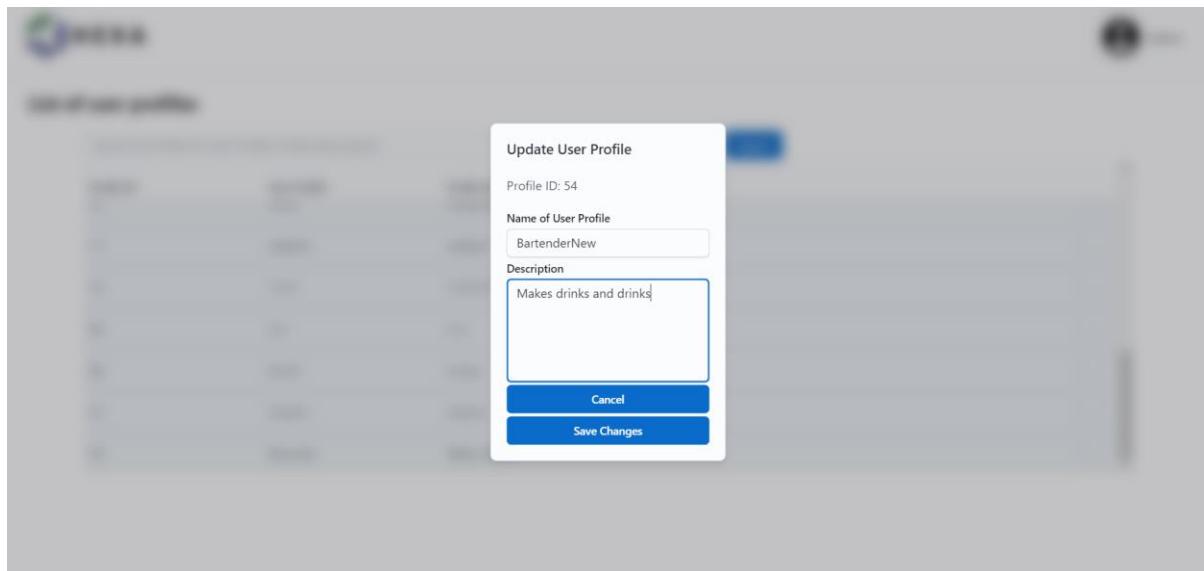
# User Story # 09 System admin updates profile.



## User Story #9 Update Profile

44	ben10	strong	...
53	mmmm	mmmm	...
54	Bartender	Makes drinks	...

**Update Profile**  
**Suspend Profile**

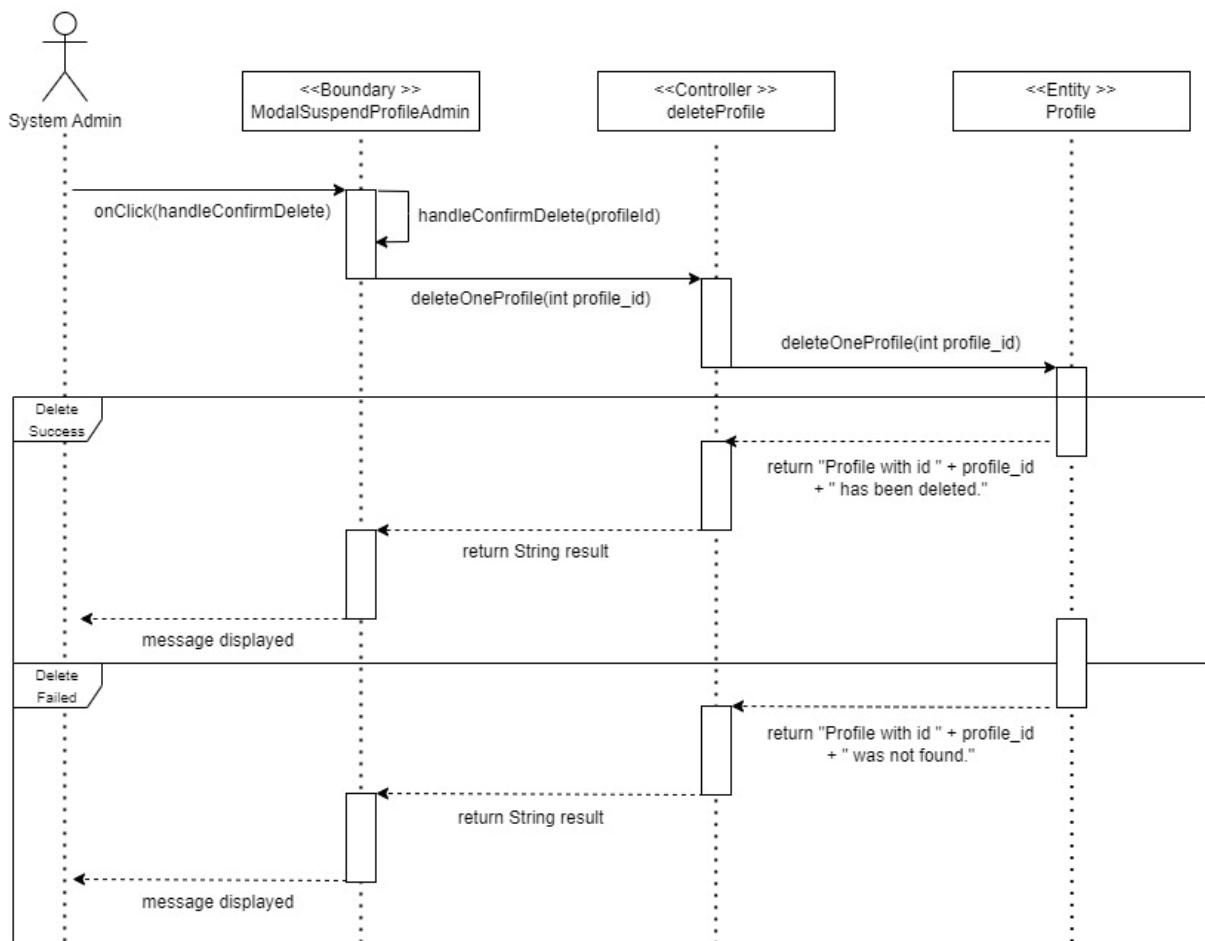
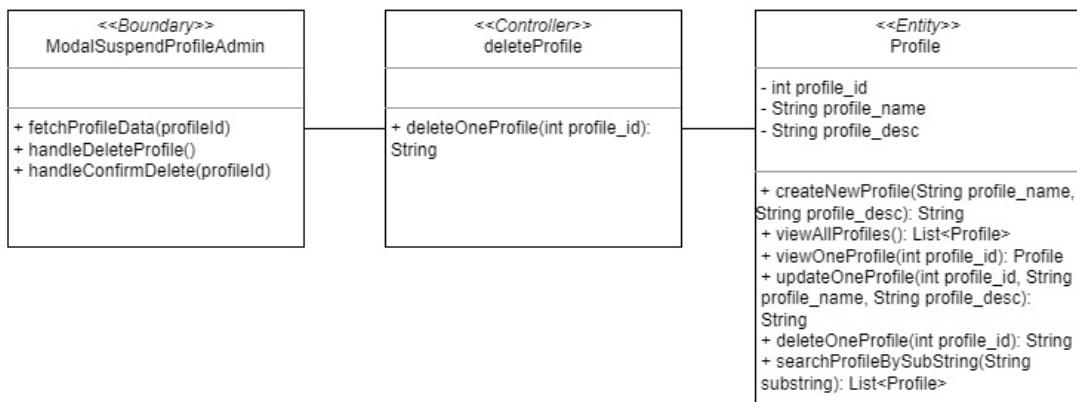


Update Profile (System Admin)		User story 9			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC014	System admin tries to update user profile	Click the "View Profiles" at "AdminDashboard" page Click the "meatball icon" Click "Update Profile" button Fill in the details and click "Save Changes"	System update profile information and display message "Update profile Id: <id> successful."	System update profile information and display message "Update profile Id: <id> successful."	PASS
TC015	System admin did not fill in certain fields when update user profile	Click the "View Profiles" at "AdminDashboard" page Click the "meatball icon" and Click the "Update Profile" button. Did not fill in the details and click "Save Changes"	System display error message "update profile id <id> failed"	System display error message "update profile id <id> failed"	PASS
TC016	System admin enter an profile name that already exist	Click the "View Profiles" at "AdminDashboard" page Click the "meatball icon" Click the "Update Profile" button. fill in exist profile name Click "Save Changes"	System display error message "update profile id <id> failed"	System display error message "update profile id <id> failed"	PASS

## User Story #10

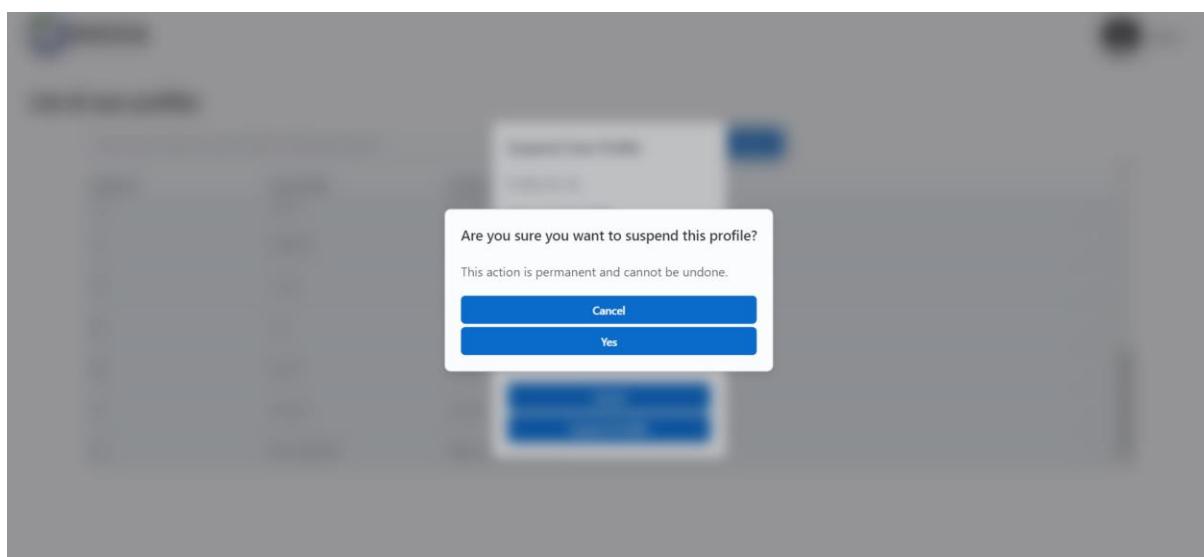
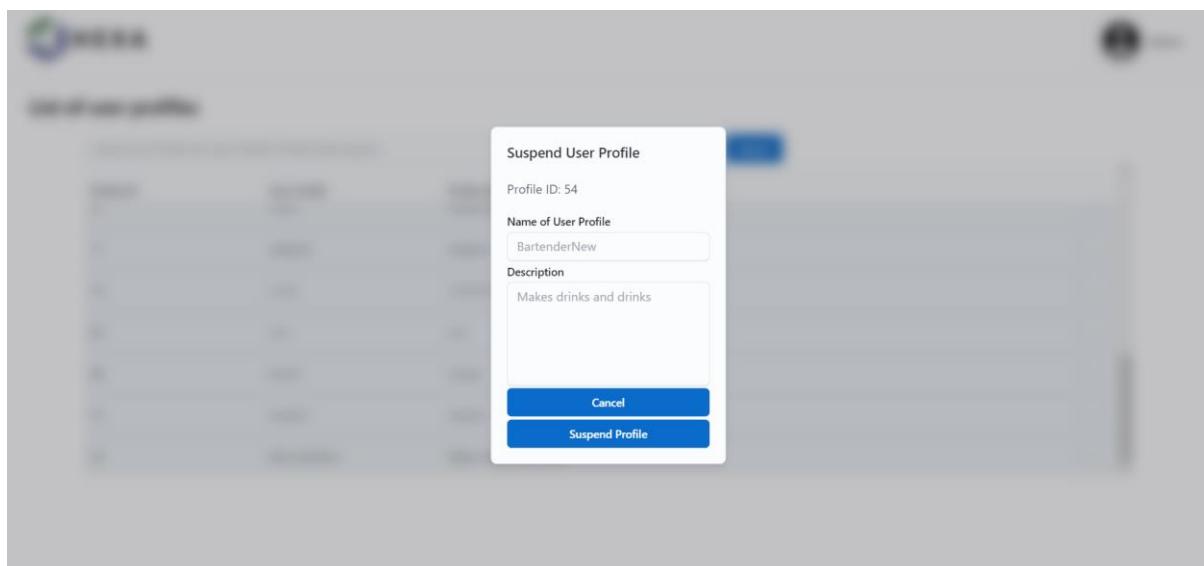
<b>Name:</b> Suspend Profile	ID: 10
<b>Stakeholders and goals:</b> System Admin - wants to suspend a profile	
<b>Description:</b> System Admin wants to suspend a profile	
<b>Actors:</b> System Admin	
<b>Precondition:</b>	
1. System Admin must login to the account 2. System Admin must click on “View Profiles” at “AdminDashboard” page 3. System Admin must click on the Meatball Icon beside the profile	
<b>Trigger:</b> System Admin clicks on the “Suspend Profile” button on the popup menu	
<b>Normal flow:</b>	
1. System Admin clicks on the “Suspend Profile” button on the popup menu. 2. System will display a modal window with the following details. <ul style="list-style-type: none"><li>- Profile ID</li><li>- Name of User Profile</li><li>- Description</li></ul> 3. System Admin reviews profile information and clicks on the “Suspend Profile” button. 4. System pops up a window to confirm with the System Admin if the profile is to be suspended. 5. System Admin click “Yes” 6. System suspends the profile and displays a window that indicates successful removal. 7. System redirects System Admin to the “AdminProfilesGUI ”page. 8. End	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b>	
a: Invalid profile: The System Admin deletes a invalid profile and the System prompts an error message "Profile with id xx was not found."	

# User Story # 10 System admin suspend profile.



## User Story #10 Suspend Profile

53	mmmm	mmmm	...
54	BartenderNew	Makes drinks and drinks	<a href="#">Update Profile</a> <a href="#">Suspend Profile</a>

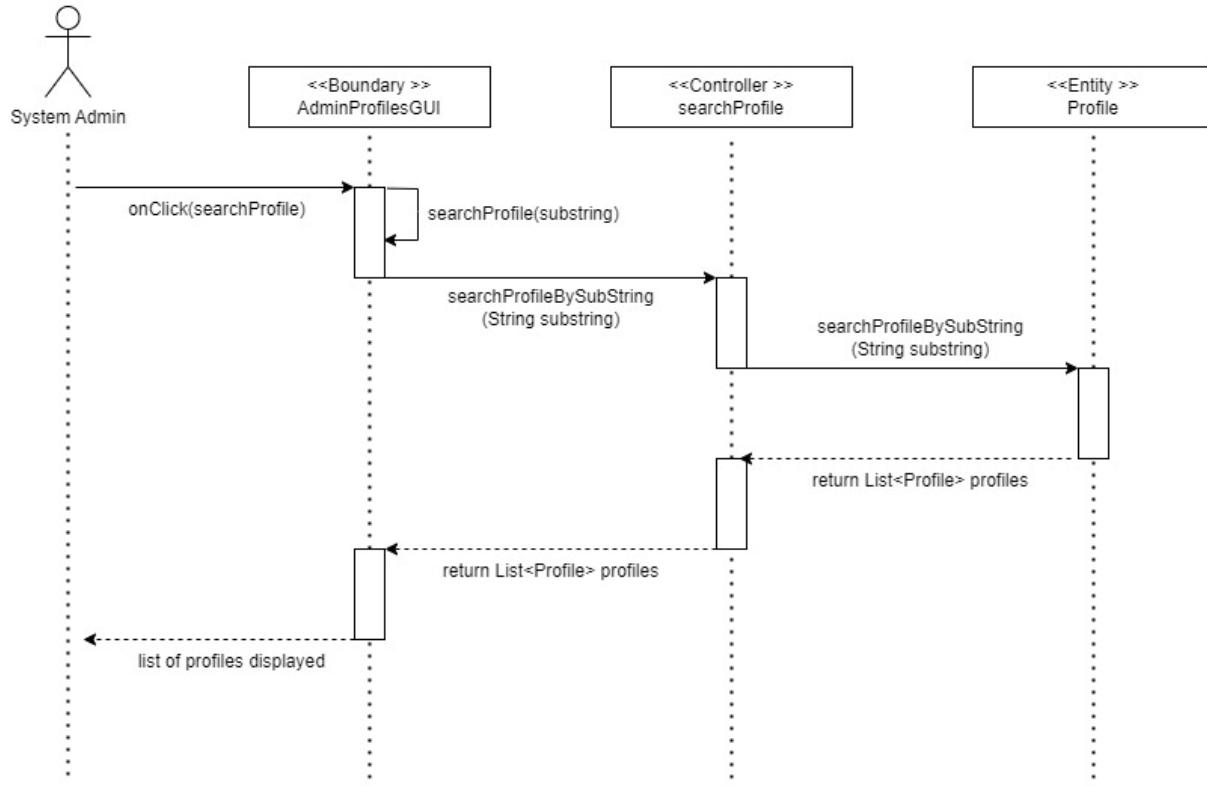
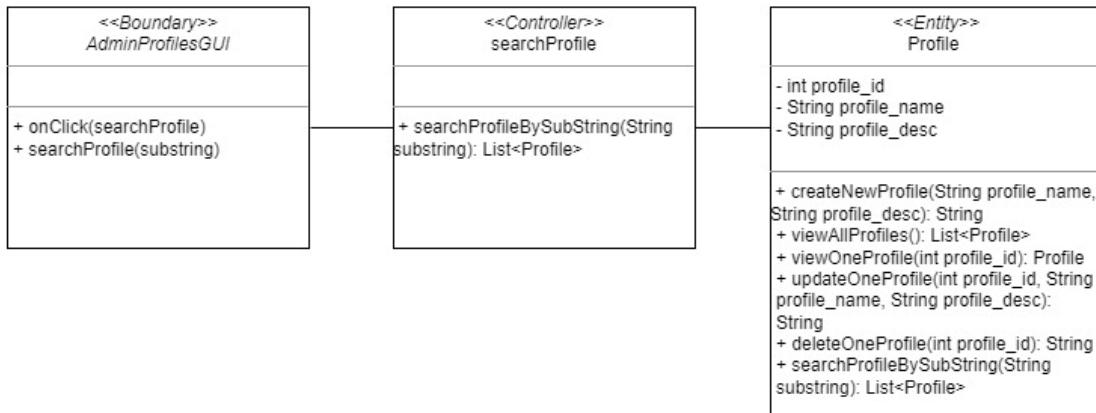


Suspend Profile (System Admin)		User story 10			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC017	System admin tries to suspend a profile	Click the “View Profiles” at “AdminDashboard” page Click the “Meatball” icon Click “Suspend Profile” button Click “Yes” button	System suspend the profile and display the message “Profile with id 49 has been deleted.”	System suspend the profile and display the message “Profile with id 49 has been deleted.”	PASS
TC018	System admin tries to suspend invalid profile	Click the “View Profiles” at “AdminDashboard” page Click the “Meatball” icon Click “Suspend Profile” button for invalid profile Click “Yes” button	System display message “Profile with id <id> was not found”	System display message “Profile with id <id> was not found”	PASS

## User Story #11

<b>Name:</b> Search Profile	ID: 11
<b>Stakeholders and goals:</b> System Admin - want to search for a profile	
<b>Description:</b> System Admin wants to search for a profile	
<b>Actors:</b> System Admin	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. System Admin must login to the account.</li><li>2. System Admin must click on “View Profiles” at “AdminDashboard” page</li></ol>	
<b>Trigger:</b> System Admin clicks “Search” button beside the search bar.	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. System Admin clicks the “Search” button beside the search bar.</li><li>2. System searches for the relevant profile using the information keyed in and returns the details of the profile on the same page.</li><li>3. System Admin views the details shown by System</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 11 System admin search for profile.



## User Story #11 Search Profile



Admin

### List of user profiles

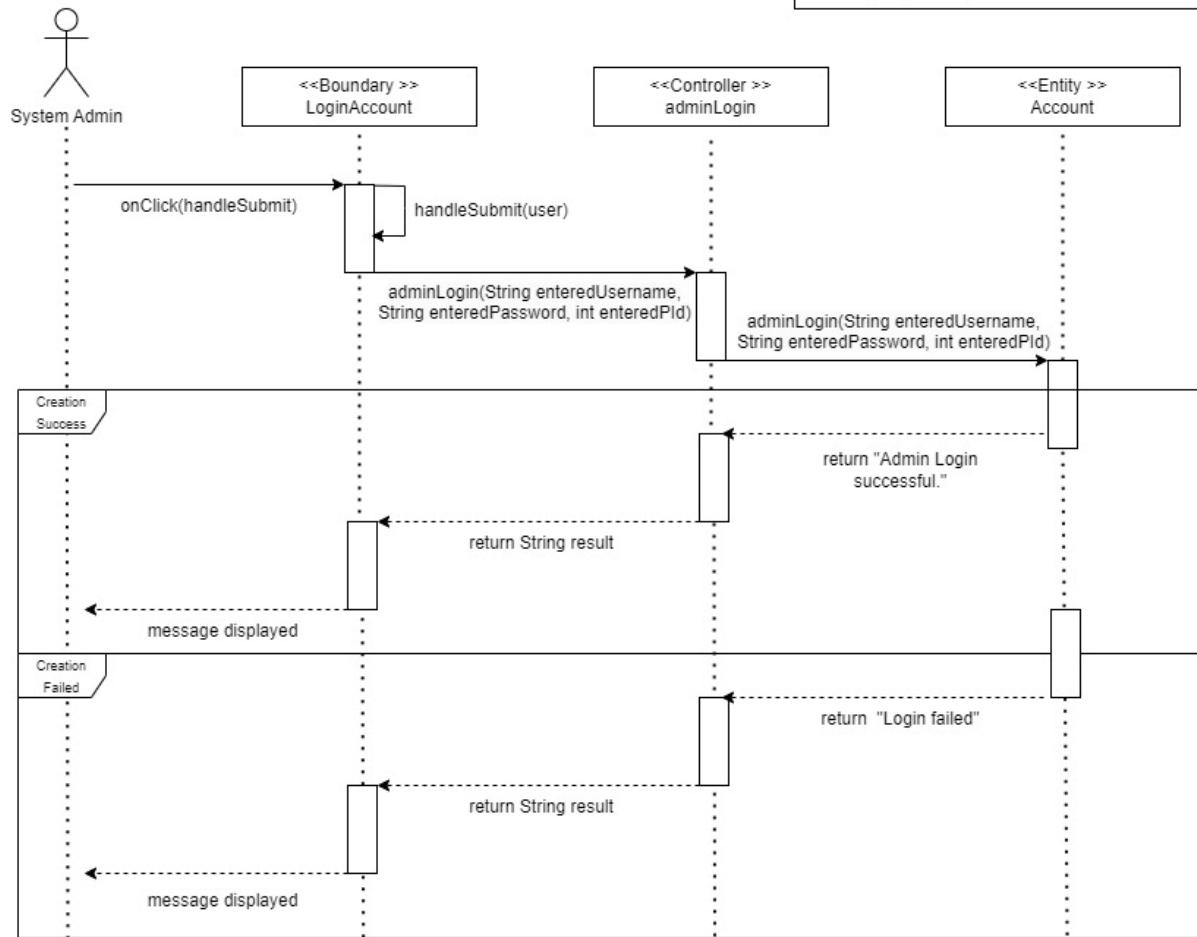
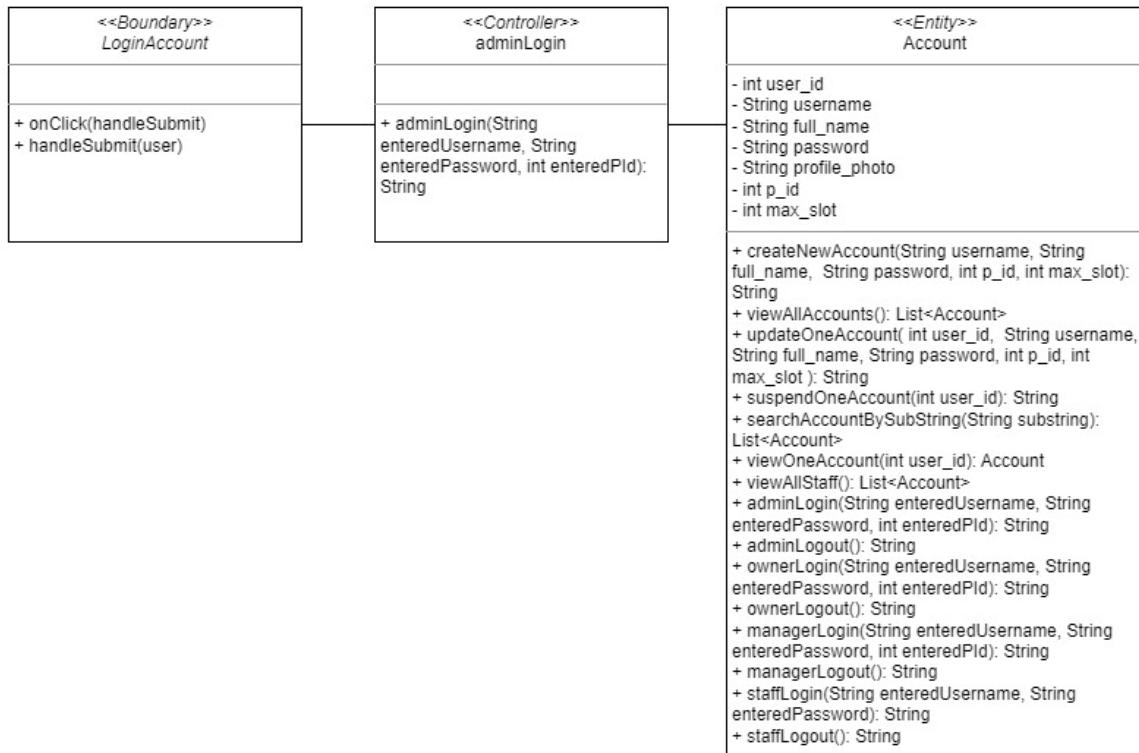
List of user profiles		
Profile ID	User Profile	Profile Description
1	Cafe Owner	The owner of a cafe, creating workslots, and collect money

Search Profile (System Admin)		User story 11			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC019	System admin tries to search a profile	Click the “View Profiles” at “AdminDashboard” page Enter relevant information (Profile ID, User profile, profile description) Click the “Search” button beside the search bar	System display relevant profile details	System display relevant profile details	PASS

## User Story #12

<b>Name:</b> Login Account	ID: 12
<b>Stakeholders and goals:</b> System Admin - wants to login to the account	
<b>Description:</b> System Admin wants to login to the account	
<b>Actors:</b> System Admin	
<b>Precondition:</b> None	
<b>Trigger:</b> System Admin clicks on the “Login” button	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. System Admin selects “ADMIN” in the drop down list, keys in their username and password and clicks the “Login” button.</li><li>2. System will validate the username and password and pop-up a window to indicate authentication success.</li><li>3. System redirects the System Admin to the “AdminDashboard ” page.</li><li>4. System Admin views the page.</li><li>5. End.</li></ol>	
<b>Sub-flows: None</b>	
<b>Alternative/Exceptional flows:</b> <p>a: Invalid Login Credentials: The System Admin enters incorrect username or password, the System will prompt an error message “Login failed”.</p>	

## User Story # 12 System admin login account.



## User Story #12 Login Account (System Admin)



**Login to Your Account**

The Future of Cafe Staff Management: Your Cafe, Your Schedule,

Their Choice

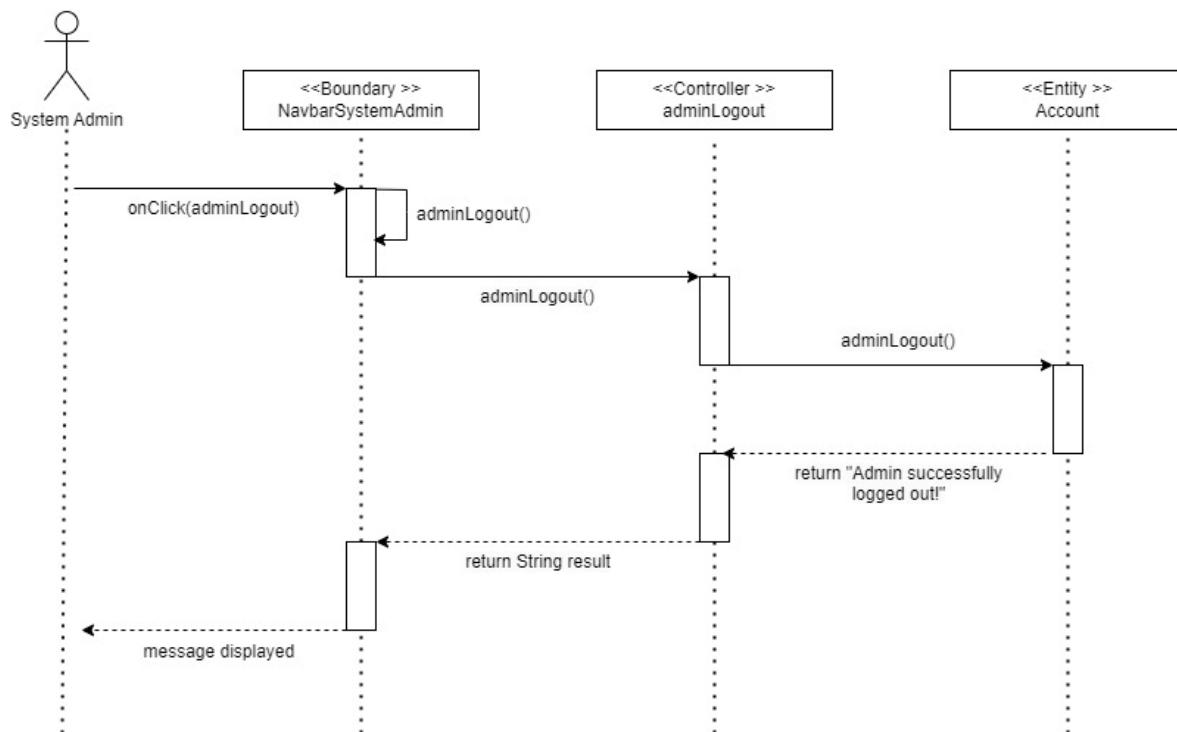
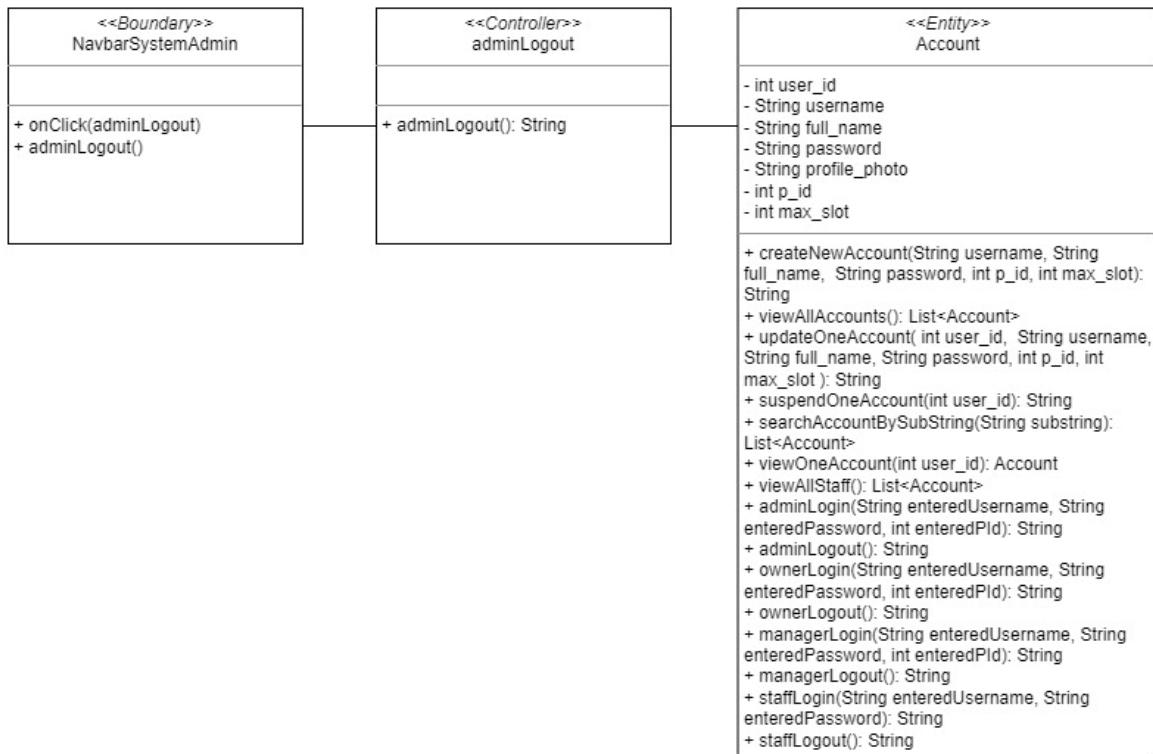
I am the **ADMIN** ▾

Login User Account (System Admin)		User story 12			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC020	System admin tries to login	Select “ADMIN” in drop down list Key in valid username and password Click “Login” button	System redirect system admin to the“AdminDashboard” page and display message “Admin Login successful”	System redirect system admin to the“AdminDashboard” page and display message “Admin Login successful”	PASS
TC021	System admin tries to login with invalid username or password	Select “ADMIN” in drop down list Key in invalid username and password Click “Login” button	System display error message “Login Failed”	System display error message “Login Failed”	PASS

## User Story #13

<b>Name:</b> Logout Account	ID: 13
<b>Stakeholders and goals:</b> System Admin - wants to logout of the account	
<b>Description:</b> System Admin wants to logout of the account to stop the session	
<b>Actors:</b> System Admin	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. System Admin must login to the account.</li><li>2. System Admin must click on the profile icon.</li></ol>	
<b>Trigger:</b> System Admin clicks on the “Logout” button on the popup menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. System Admin clicks on the “Logout” button on the popup menu.</li><li>2. System removes session for System Admin &amp; displays a window to indicate successful logout.</li><li>3. System redirects System Admin to the login page.</li><li>3. System Admin views the login page.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

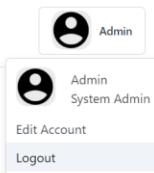
## User Story # 13 System admin logout account.



## User Story #13 Logout Account (System Admin)



Welcome Admin! What would  
you like to do today?



Create account

Create profile

View accounts

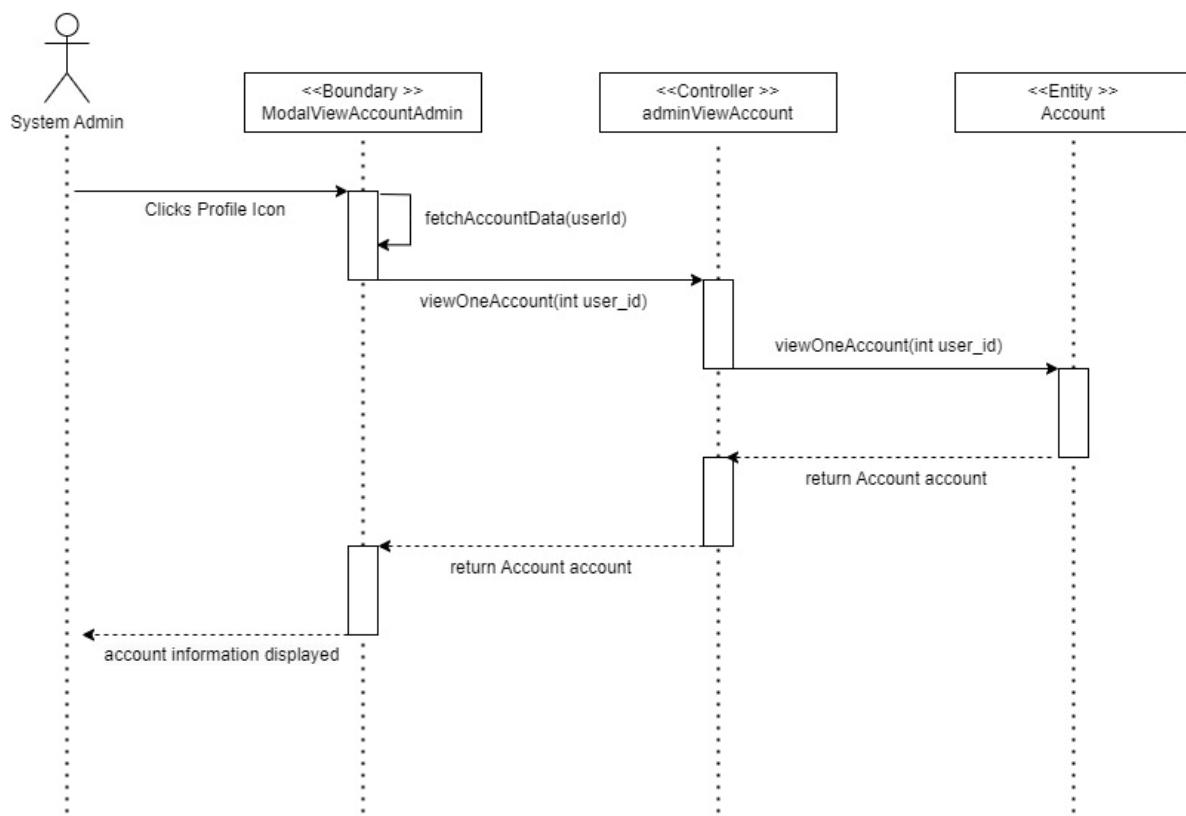
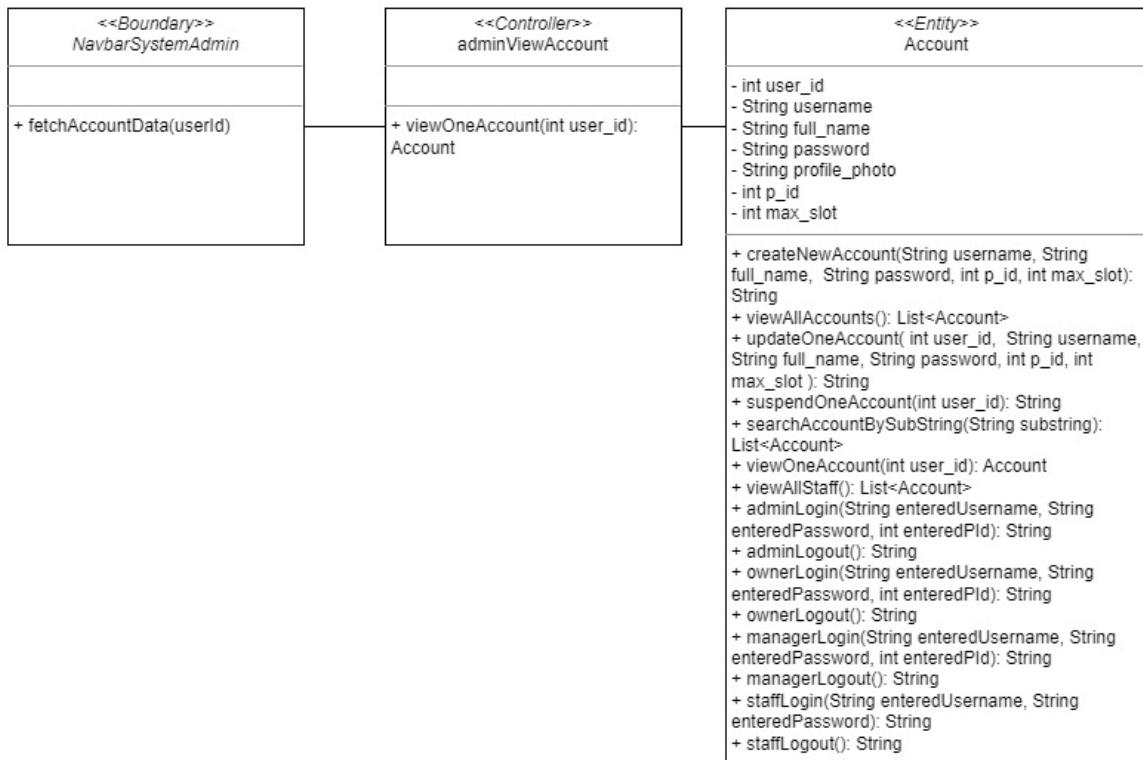
View profiles

Logout User Account (System Admin)		User story 13			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC022	System admin tries to logout	Click on the "profile" icon on top right corner Click "Logout" from drop-down list	System display message "Admin successfully logged out" and redirect system admin to login page	System display message "Admin successfully logged out" and redirect system admin to login page	PASS

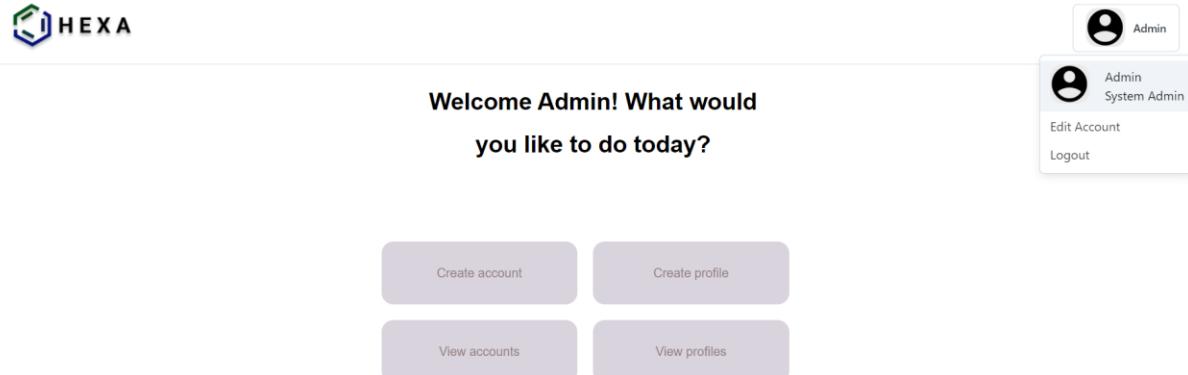
## User Story #14

<b>Name:</b> View Own Account Details	ID: 14
<b>Stakeholders and goals:</b> System Admin - wants to view own account details	
<b>Description:</b> System Admin wants to view personal account details	
<b>Actors:</b> System Admin	
<b>Precondition:</b> System Admin must login to the account	
<b>Trigger:</b> System Admin clicks on the profile icon	
<b>Normal flow:</b>	
1. System Admin clicks on the profile icon. 2. System will display a popup menu with the following details. <ul style="list-style-type: none"><li>- Full Name</li><li>- User Profile</li></ul>	
3. System Admin views the details shown by System. 4. End.	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 14 System admin view own account details.



## User Story #14 View Own Account Details (System Admin)

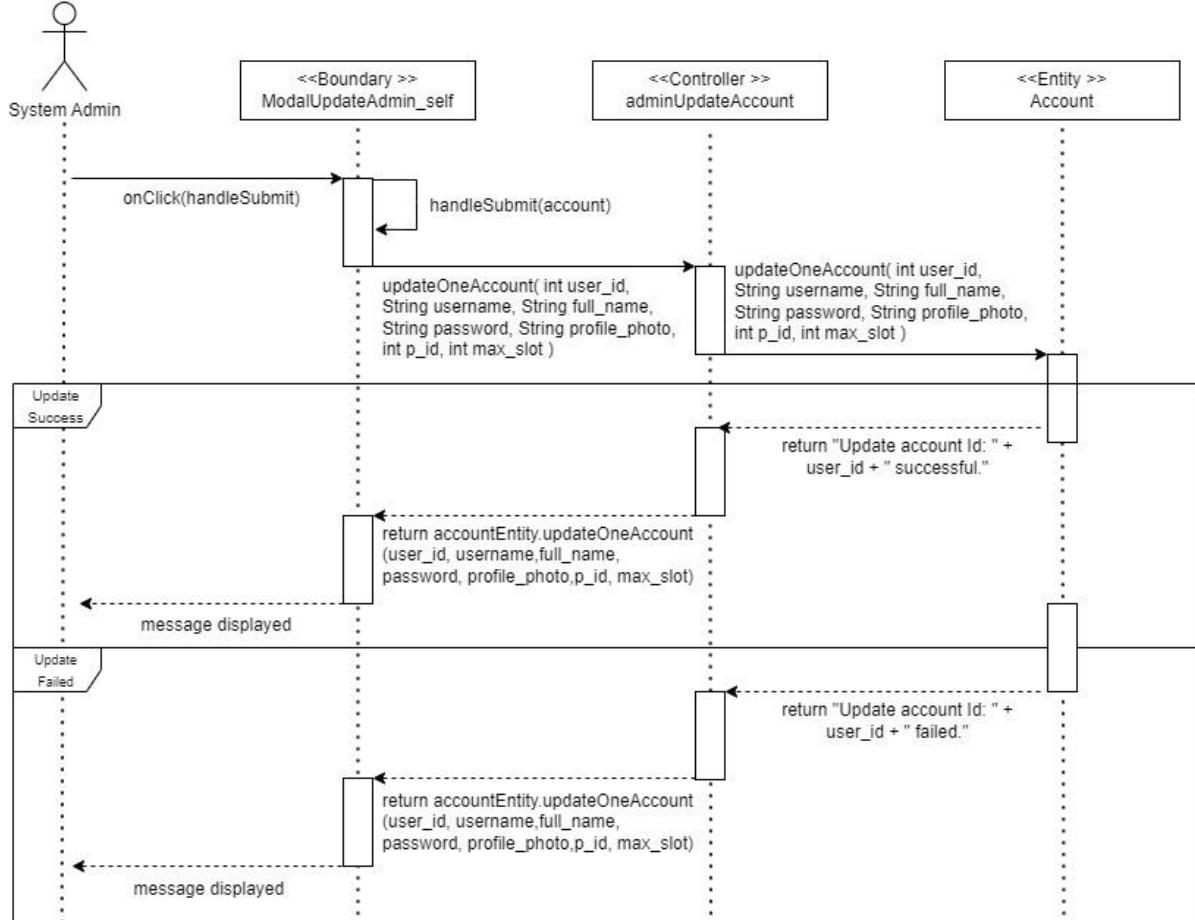
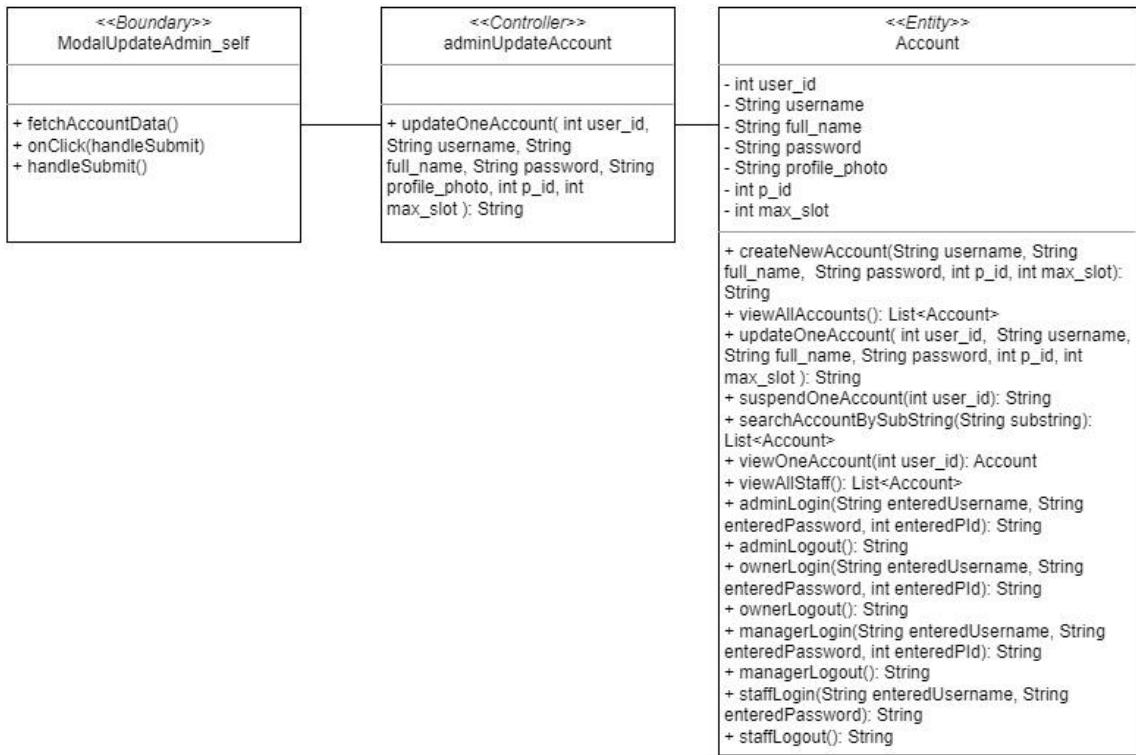


View Own Account Details (System Admin)		User story 14			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC023	System admin tries to view own account details	Click on the “profile” icon	System display popup menu with profile photo username and profile	System display popup menu with profile photo username and profile	PASS

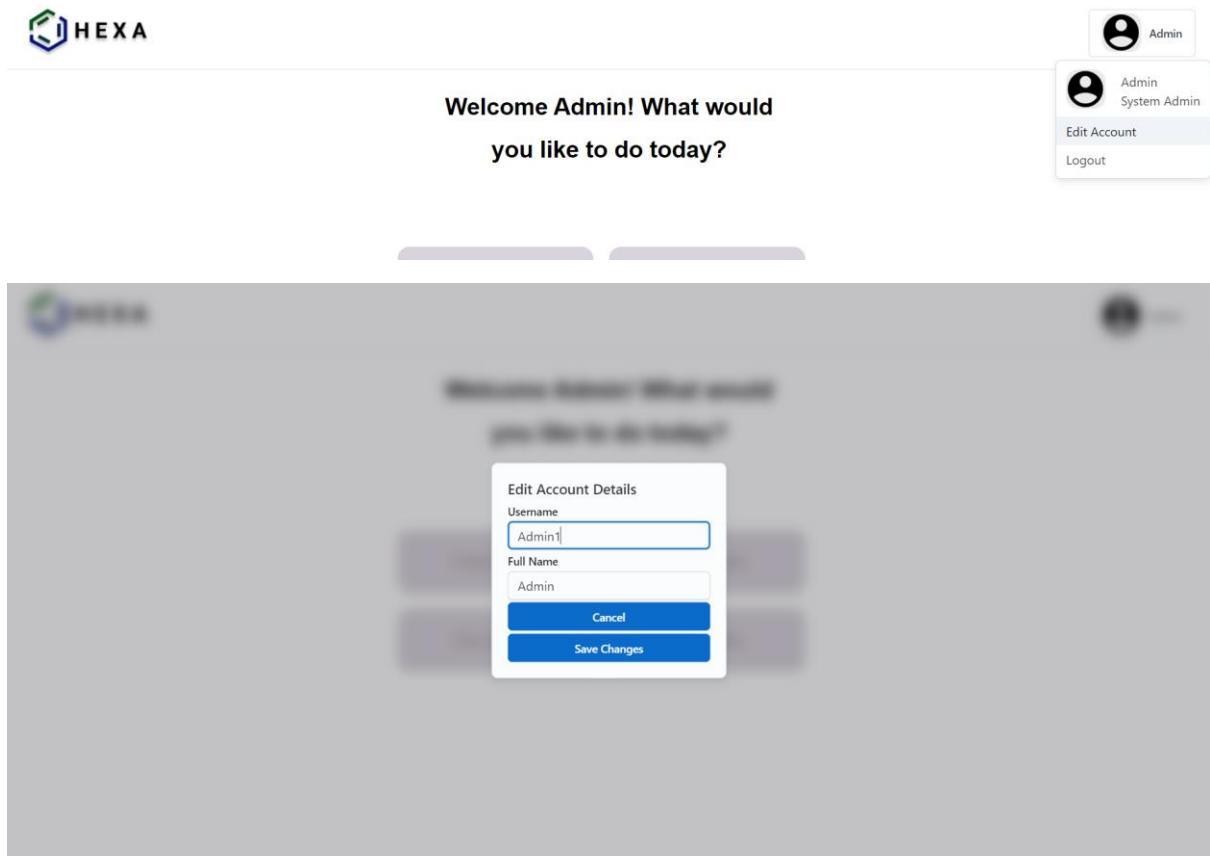
## User Story #15

<b>Name:</b> Update Own Account Details	ID: 15
<b>Stakeholders and goals:</b> System Admin - wants to update own account details	
<b>Description:</b> System Admin wants to update personal account details	
<b>Actors:</b> System Admin	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. System Admin must log into the account.</li><li>2. System Admin must click on the profile icon.</li></ol>	
<b>Trigger:</b> System Admin clicks on the “Edit Account” button on the popup menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. System Admin clicks on the “Edit Account” button on the popup menu.</li><li>2. System will display a modal window with the following details.<ul style="list-style-type: none"><li>- Username</li><li>- Full Name</li></ul></li><li>3. System Admin fills in the details and clicks the “Save Changes” button.</li><li>4. System validates the input and updates the profile information.</li><li>5. System pops-up a window to indicate successful update and redirects the System Admin back to the “AdminDashboard ” page.</li><li>6. End.</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> <p>a: Existing username found: The System Admin enters an username that already exist, the system will prompt an error message “Update Account Id: xx failed”</p>	

## User Story # 15 System admin update own account details.



## User Story #15 Update Own Account Details (System Admin)

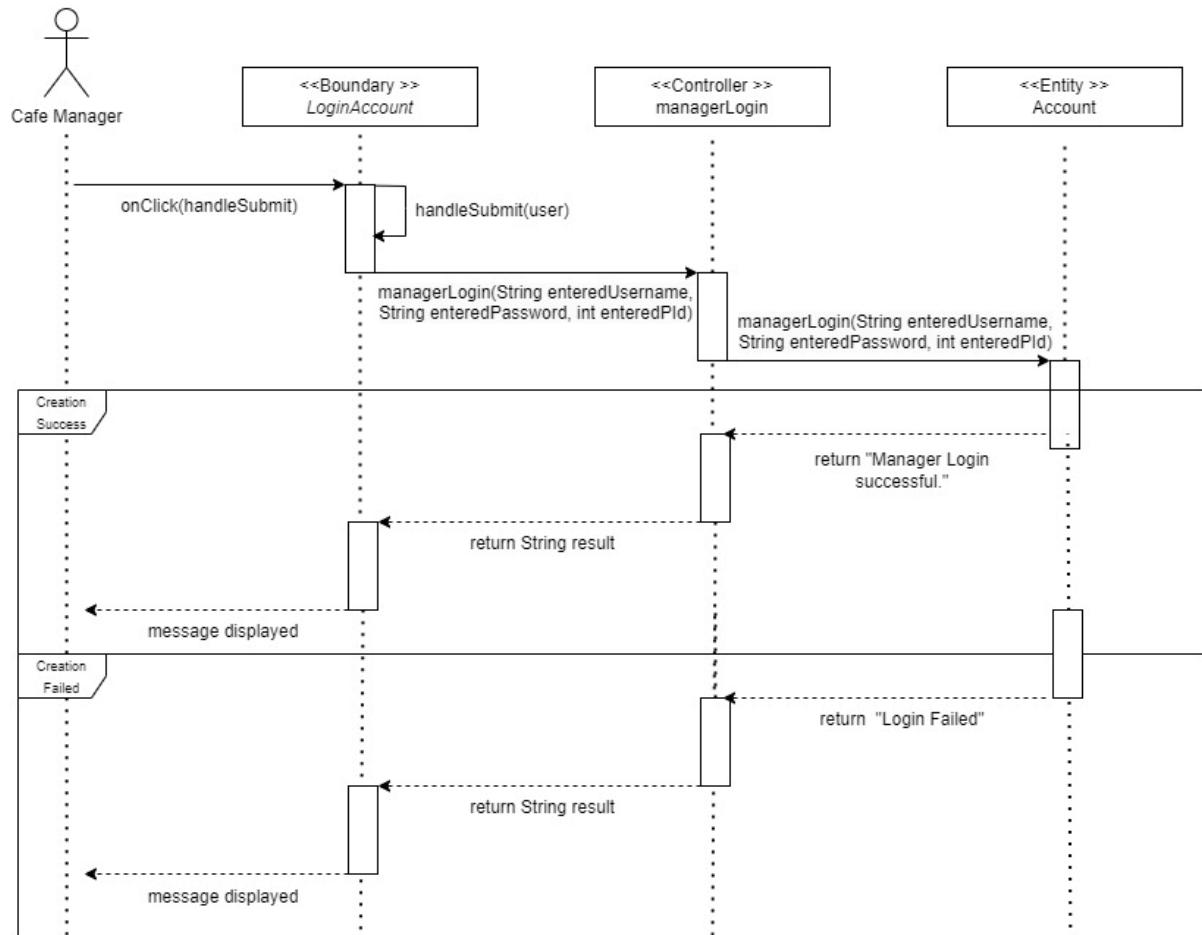
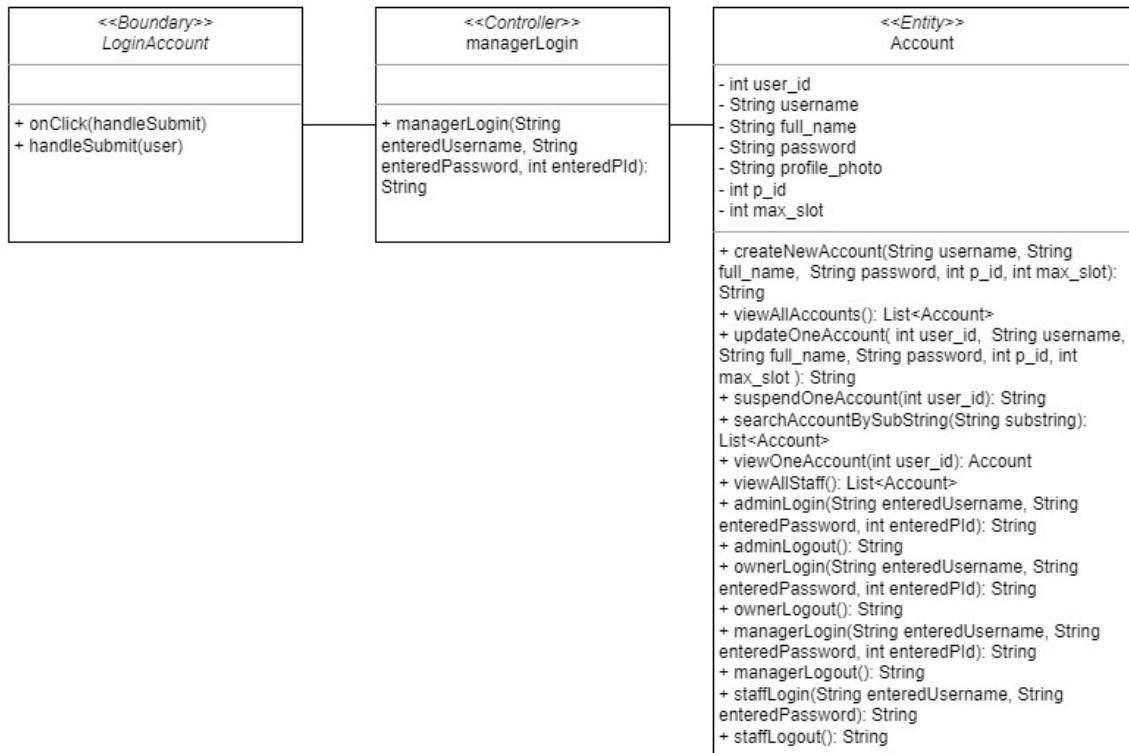


Update Own Account Details (System Admin)		User story 15			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC024	System admin tries to update own account details	Click on the “profile” icon  Click on the “Edit Account” button on the pop-up menu  Fill in details and click “Save Changes” button	System pops-up a window to indicate successful update and redirects the System Admin back to the “Admin Dashboard” page.	System pops-up a window to indicate successful update and redirects the System Admin back to the “Admin Dashboard” page.	PASS
TC025	System admin tries to update with existing username	Click on the “profile” icon  Click on the “Edit Account” button on the popup menu  Fill in existing username and click “Save Changes” button	System display error message “Update account id <id> failed”	System display error message “Update account id <id> failed”	PASS

## User Story #23

<b>Name:</b> Login Account	ID: 23
<b>Stakeholders and goals:</b> Cafe Manager - wants to login to the account	
<b>Description:</b> Cafe Manager wants to login to the account	
<b>Actors:</b> Cafe Manager	
<b>Precondition:</b> None	
<b>Trigger:</b> Cafe Manager clicks on the “Login” button	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Manager selects “MANAGER” in the drop down list, keys in their username and password and clicks the “Login” button.</li><li>2. System will validate the username and password and pop-up a window to indicate authentication success.</li><li>3. System redirects the Cafe Manager to the “ManagerDashboard ” page.</li><li>4. Cafe Manager views the page.</li><li>5. End.</li></ol>	
<b>Sub-flows: None</b>	
<b>Alternative/Exceptional flows:</b> <p>a: Invalid Login Credentials: Cafe Manager enters incorrect username or password, the System will prompt an error message “Login failed”.</p>	

## User Story # 23 Cafe Manager login account.



## User Story #23 Login Account (Café Manager)



**Login to Your Account**

The Future of Cafe Staff Management: Your Cafe, Your Schedule,

Their Choice

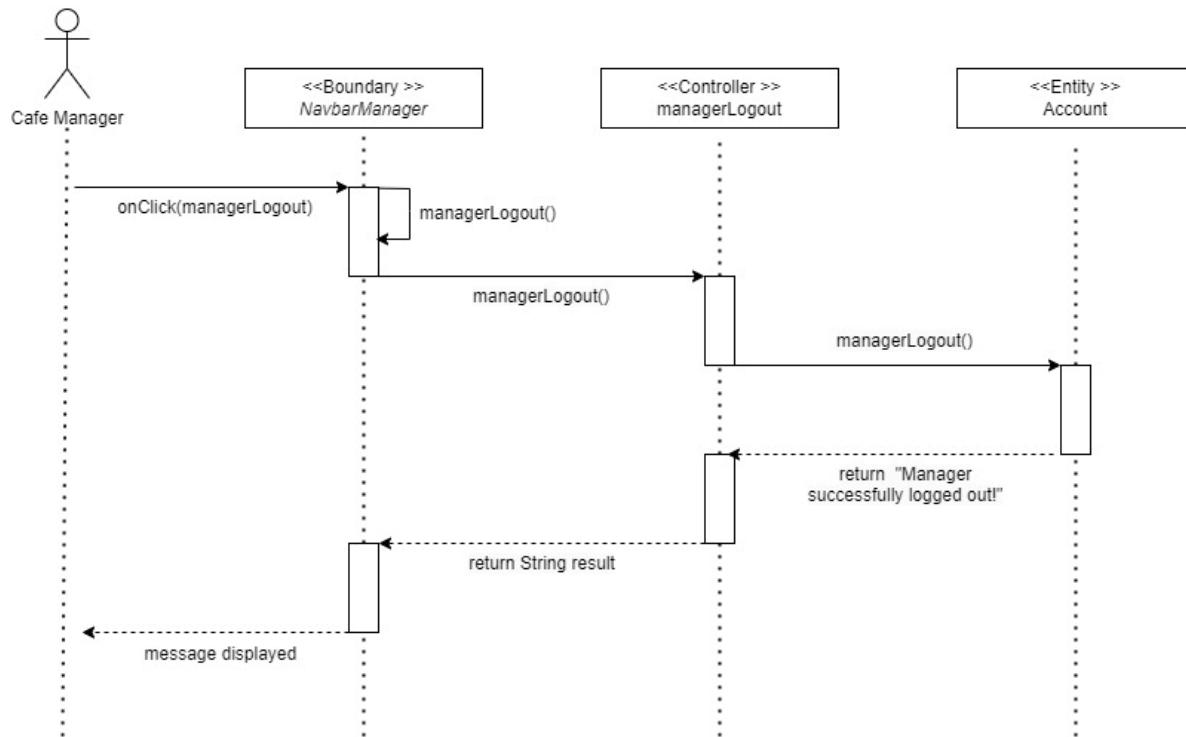
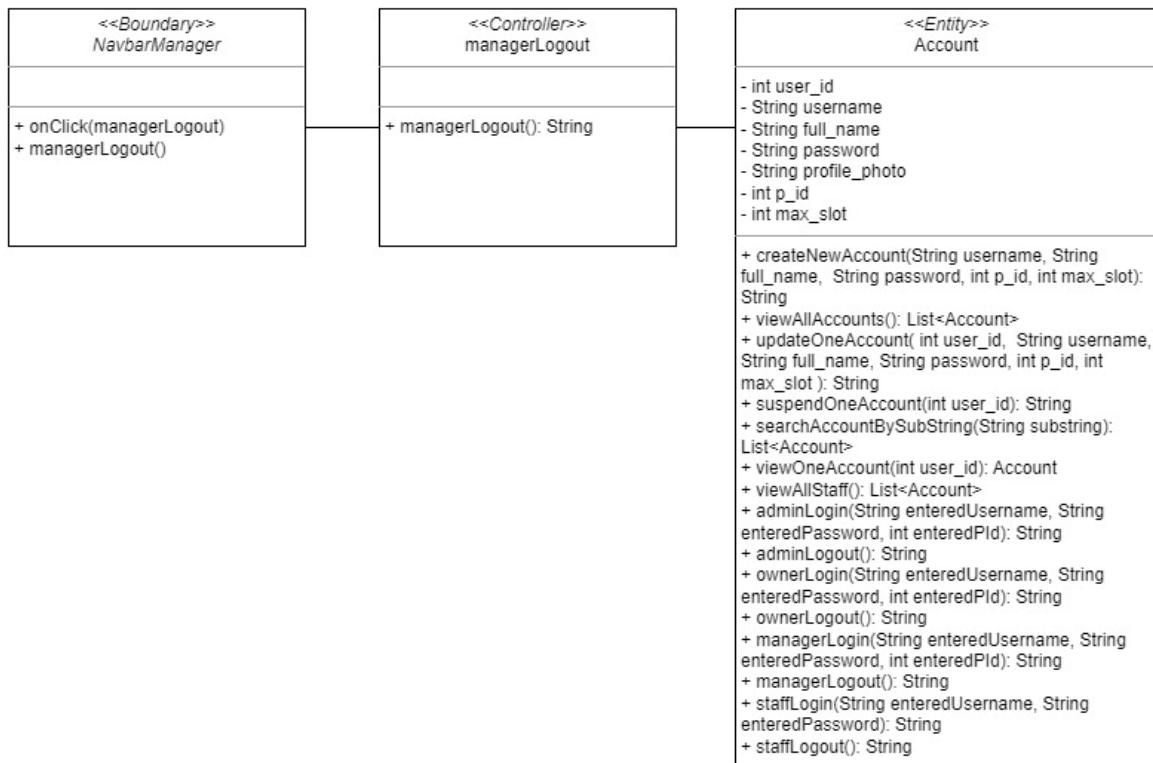
I am the **MANAGER** ▾

Login Account (Cafe Manager)		User story 23			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC026	Cafe manager tries to login to the account	Select “Manager” in the drop down list  Key in their username and password  Click the “Login” button	System redirect the Cafe manager to the “ManagerDashboard” Page and display message “Admin Login successful”	System redirect the Cafe manager to the “ManagerDashboard” Page and display message “Admin Login successful”	PASS
TC027	Cafe manager tries to enter invalid username or password when login to the account	Select “Manager” in the drop down list  Key in invalid username or password  Click the “Login” button	System display error message “Login Failed”	System display error message “ Login Failed”	PASS

## User Story #24

<b>Name:</b> Logout Account	ID: 24
<b>Stakeholders and goals:</b> Cafe Manager - wants to logout of the account	
<b>Description:</b> Cafe Manager wants to logout of the account to stop the session	
<b>Actors:</b> Cafe Manager	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Manager must login to the account.</li><li>2. Cafe Manager must click on the profile icon.</li></ol>	
<b>Trigger:</b> Cafe Manager clicks on the “Logout” button on the popup menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Manager clicks on the “Logout” button on the popup menu.</li><li>2. System removes session for Cafe Manager &amp; displays a window to indicate successful logout.</li><li>3. System redirects Cafe Manager to the login page.</li><li>3. Cafe Manager views the login page.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 24 Cafe Manager logout account.



## User Story #24 Logout Account (Café Manager)



Welcome Manager! What would  
you like to do today?

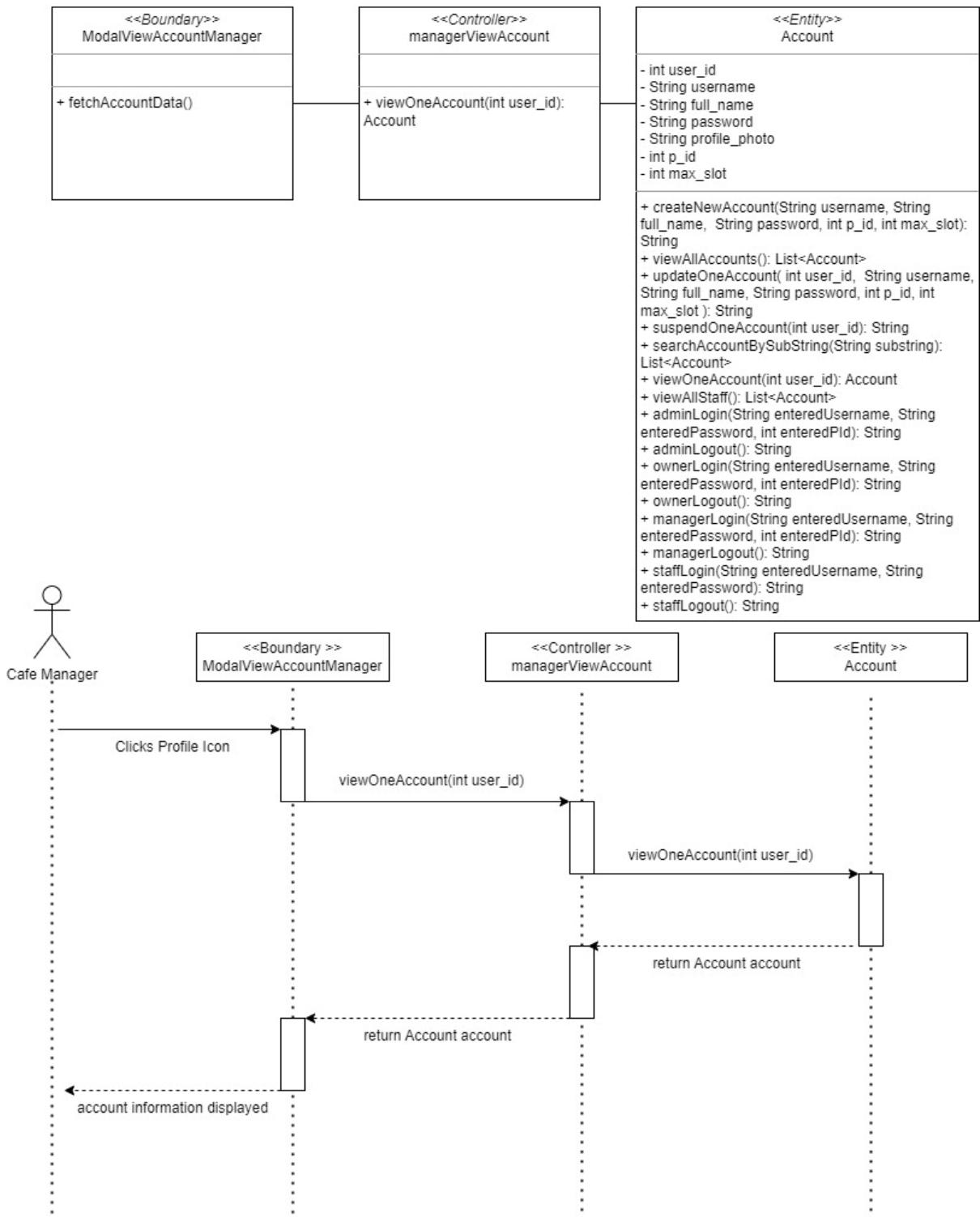


Logout Account (Cafe Manager)		User story 24			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC028	Cafe manager tries to logout the account	Click on the “profile” icon on top right corner  Click “Logout” from dropdown list	System display message “Manager successfully logged out” and redirect system admin to login page	System display message “Manager successfully logged out” and redirect system admin to login page	PASS

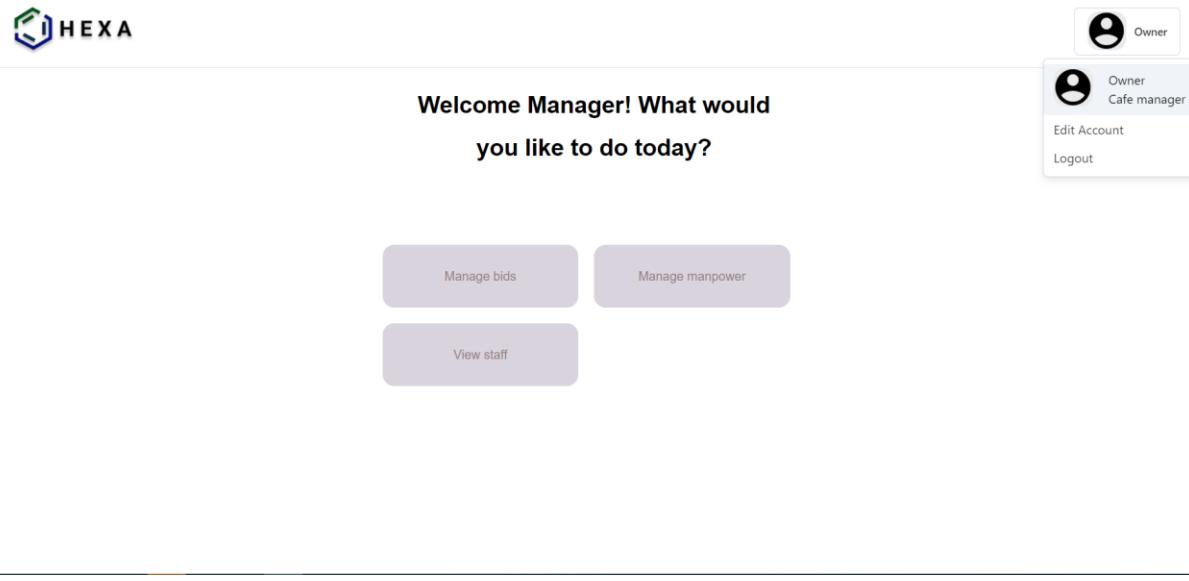
## User Story #25

<b>Name:</b> View Own Account Details	ID: 25
<b>Stakeholders and goals:</b> Cafe Manager - wants to view own account details	
<b>Description:</b> Cafe Manager wants to view personal account details	
<b>Actors:</b> Cafe Manager	
<b>Precondition:</b> Cafe Manager must login to the account	
<b>Trigger:</b> Cafe Manager clicks on the profile icon	
<b>Normal flow:</b>	
1. Cafe Manager clicks on the profile icon. 2. System will display a popup menu with the following details. <ul style="list-style-type: none"><li>- Full Name</li><li>- User Profile</li></ul> 3. Cafe Manager views the details shown by the System. 4. End.	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 25 Cafe Manager view own account details.



## User Story #25 View Own Account Details (Café Manager)

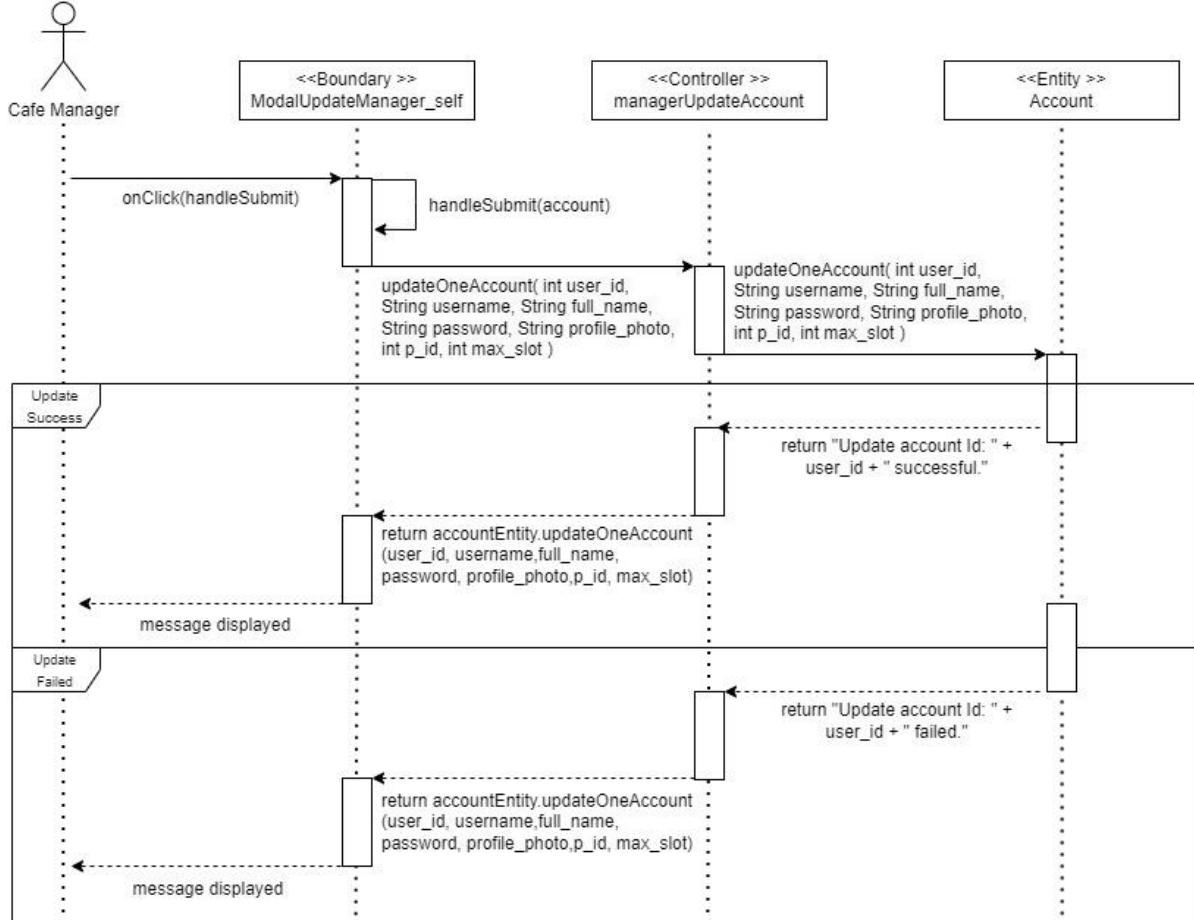
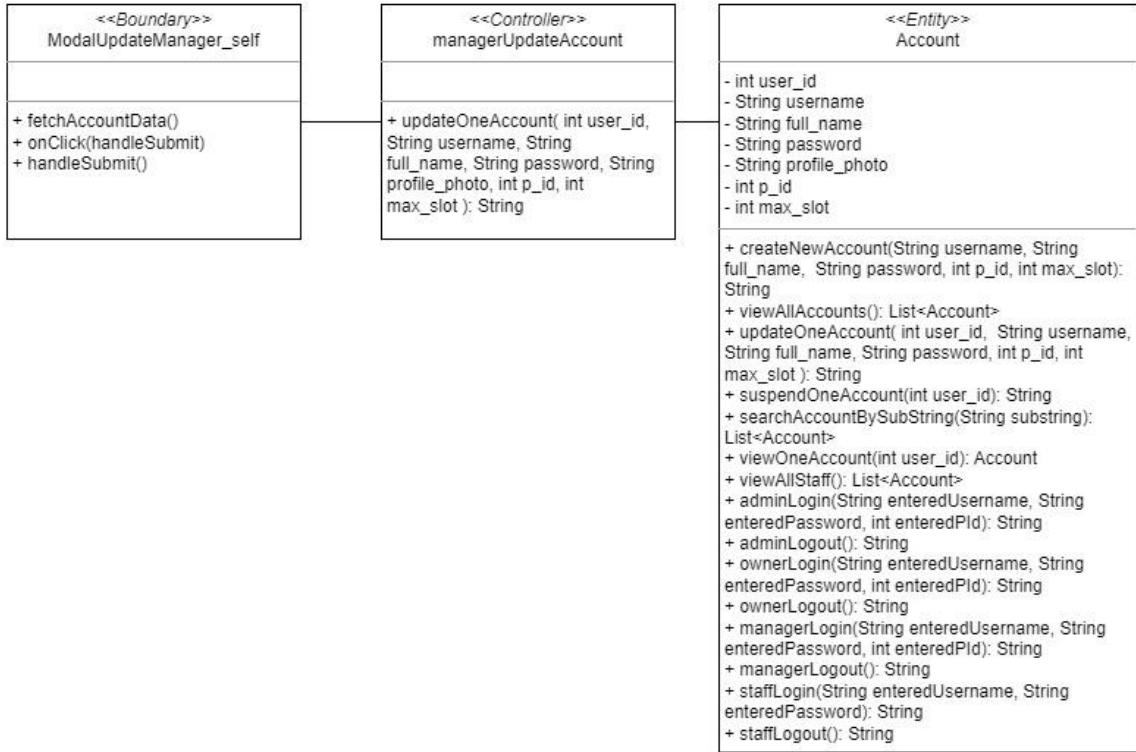


View Own Account Details (Cafe Manager)		User story 25			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC029	Cafe manager tries to view own account details	Click on the "profile" icon on top right corner	System display manager information (full name, user profile)	System display manager information (full name, user profile)	PASS

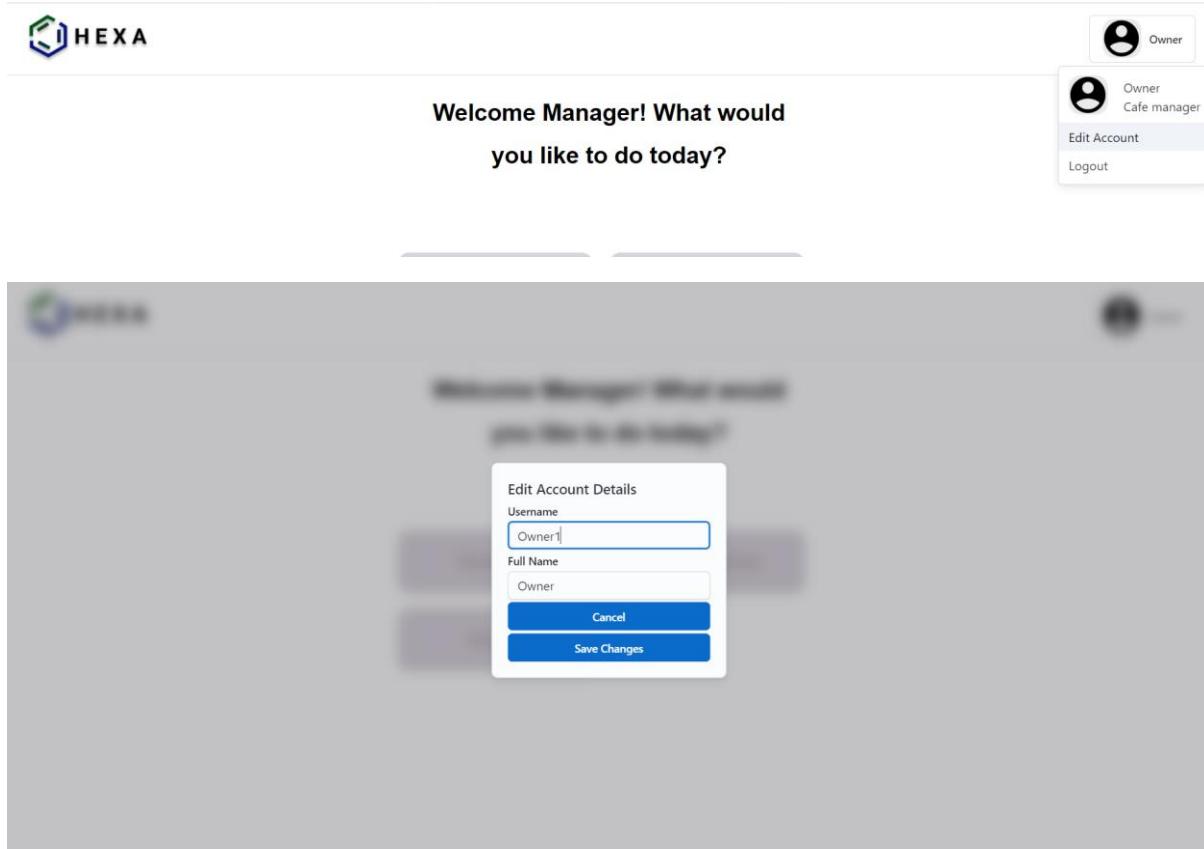
## User Story #26

<b>Name:</b> Update Own Account Details	ID: 26
<b>Stakeholders and goals:</b> Cafe Manager - wants to update own account details	
<b>Description:</b> Cafe Manager wants to update personal account details	
<b>Actors:</b> Cafe Manager	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Manager must log into the account.</li><li>2. Cafe Manager must click on the profile icon.</li></ol>	
<b>Trigger:</b> Cafe Manager clicks on the “Edit Account” button on the popup menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Manager clicks on the “Edit Account” button on the popup menu.</li><li>2. System will display a modal window with the following details.<ul style="list-style-type: none"><li>- Username</li><li>- Full Name</li></ul></li><li>3. Cafe Manager fills in the details and clicks the “Save Changes” button.</li><li>4. System validates the input and updates the profile information.</li><li>5. System pops-up a window to indicate successful update and redirects the Cafe Manager back to the “ManagerDashboard ” page.</li><li>6. End.</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> <p>a: Existing username found: The Cafe Manager enters an username that already exist, the system will prompt an error message “Update Account Id: xx failed”</p>	

## User Story # 26 Cafe Manager update own account details.



## User Story #26 Update Own Account Details (Café Manager)

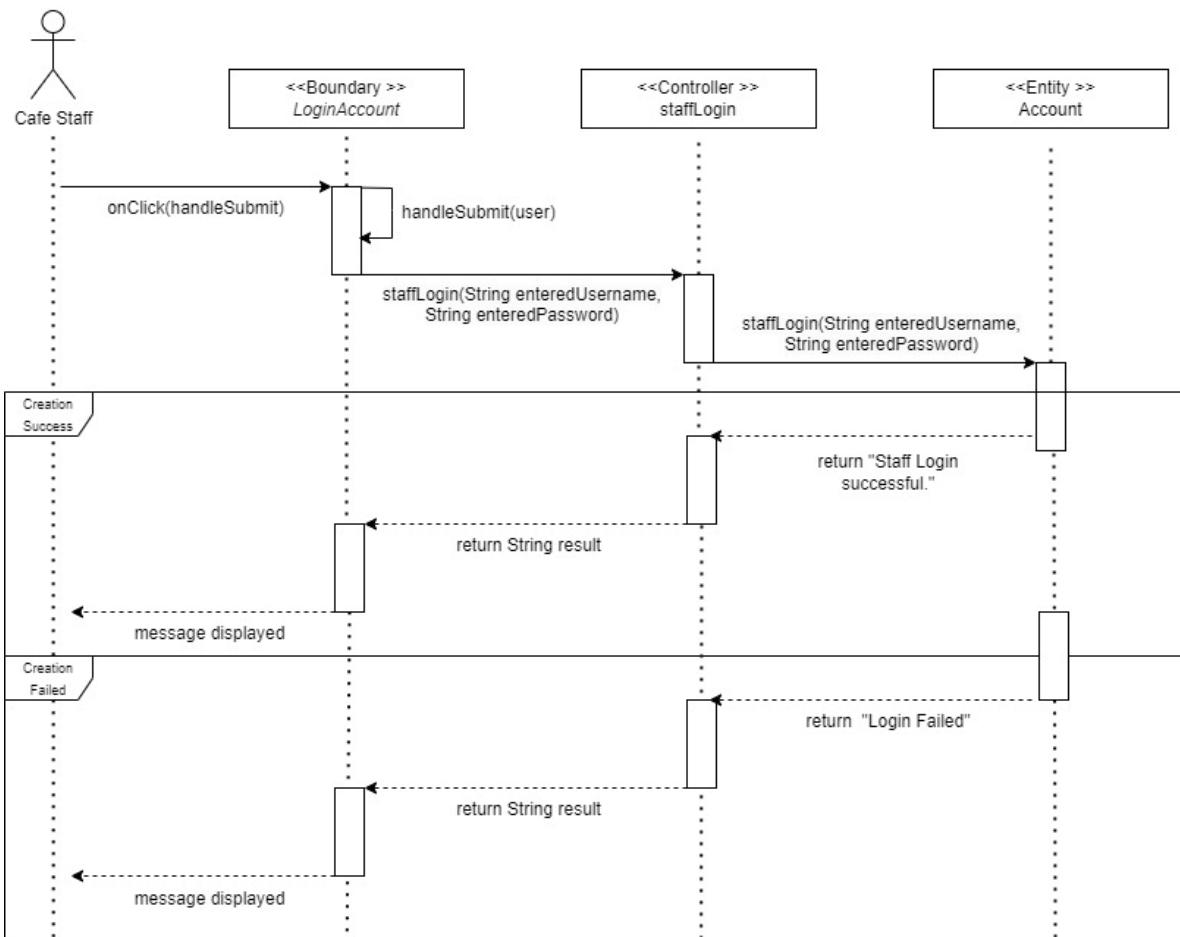
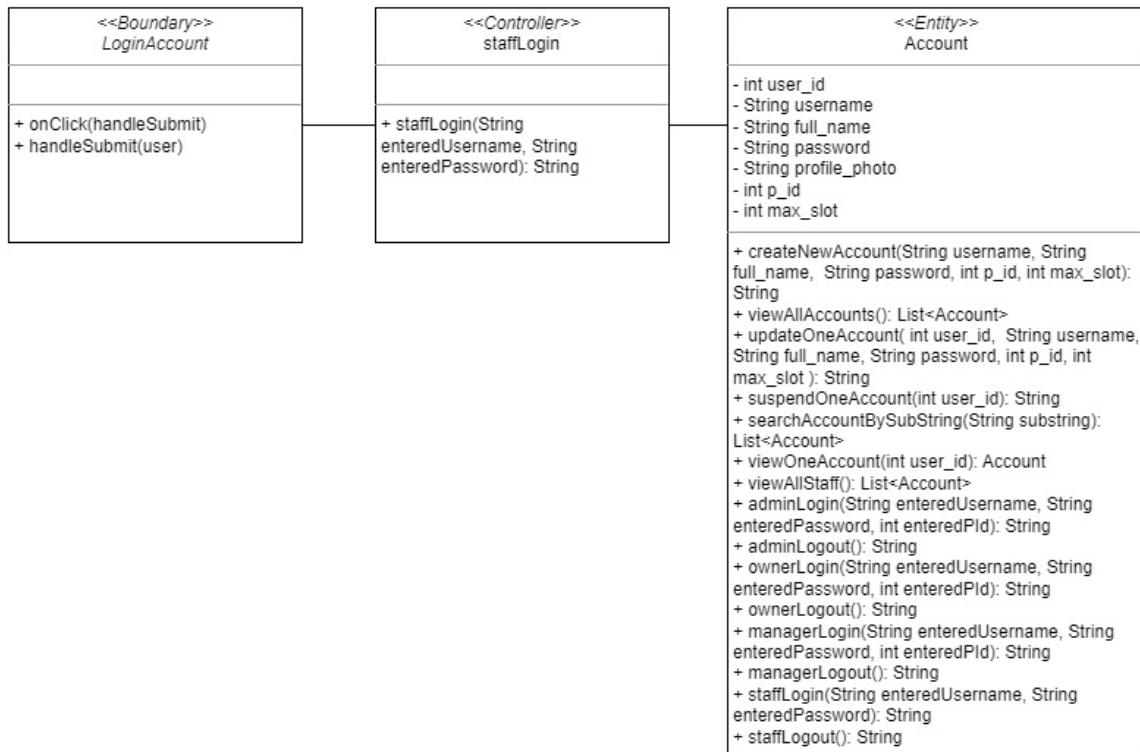


Update Own Account Details (Cafe Manager)		User story 26			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC030	Cafe manager tries to update own account details	Click on the “profile” icon on top right corner,  Click the “Edit Account” button on the popup menu  Fill in the details and click “Save Changes” button	System display manager information (full name, user profile) and redirects cafe manager back to the “Manager Dashboard” page	System display manager information (full name, user profile) and redirects cafe manager back to the “Manager Dashboard” page	PASS
TC031	Cafe manager tries to update existing username	Click on the “profile” icon on top right corner,  Click the “Edit Account” button on the popup menu  Fill in existing username and click “Save Changes” button	System display error message “Update Account id: <id> failed”	System display error message “Update Account id: <id> failed”	PASS

## User Story #35

<b>Name:</b> Login Account	ID: 35
<b>Stakeholders and goals:</b> Cafe Staff - wants to login to the account	
<b>Description:</b> Cafe Staff wants to login to the account	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b> None	
<b>Trigger:</b> Cafe Staff clicks on the “Login” button	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Staff selects “STAFF” in the drop down list, keys in their username and password and clicks the “Login” button.</li><li>2. System will validate the username and password and pop-up a window to indicate authentication success.</li><li>3. System redirects the Cafe Staff to the “StaffDashboard ” page.</li><li>4. Cafe Staff views the page.</li><li>5. End.</li></ol>	
<b>Sub-flows: None</b>	
<b>Alternative/Exceptional flows:</b> <p>a: Invalid Login Credentials: Cafe Staff enters incorrect username or password, the System will prompt an error message “Login failed”.</p>	

## User Story # 35 Cafe Staff login account.



## User Story #35 Login Account (Café Staff)



**Login to Your Account**

The Future of Cafe Staff Management: Your Cafe, Your Schedule,

Their Choice

I am the **STAFF** ▾

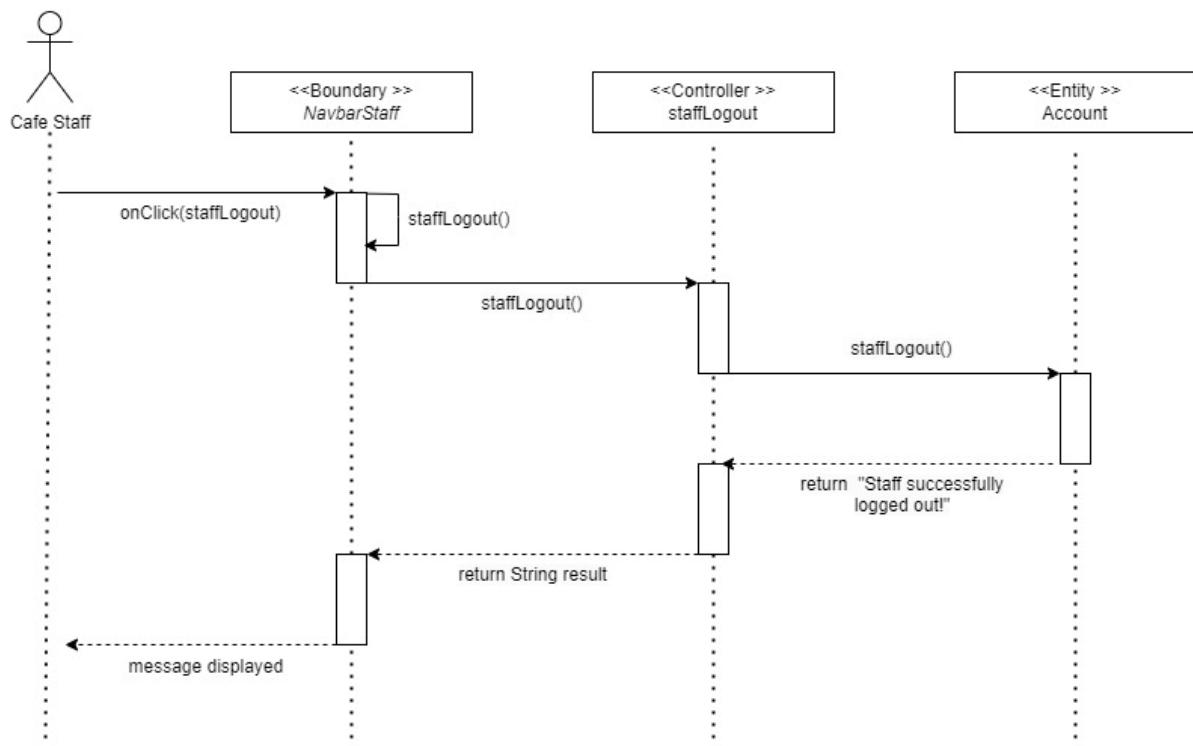
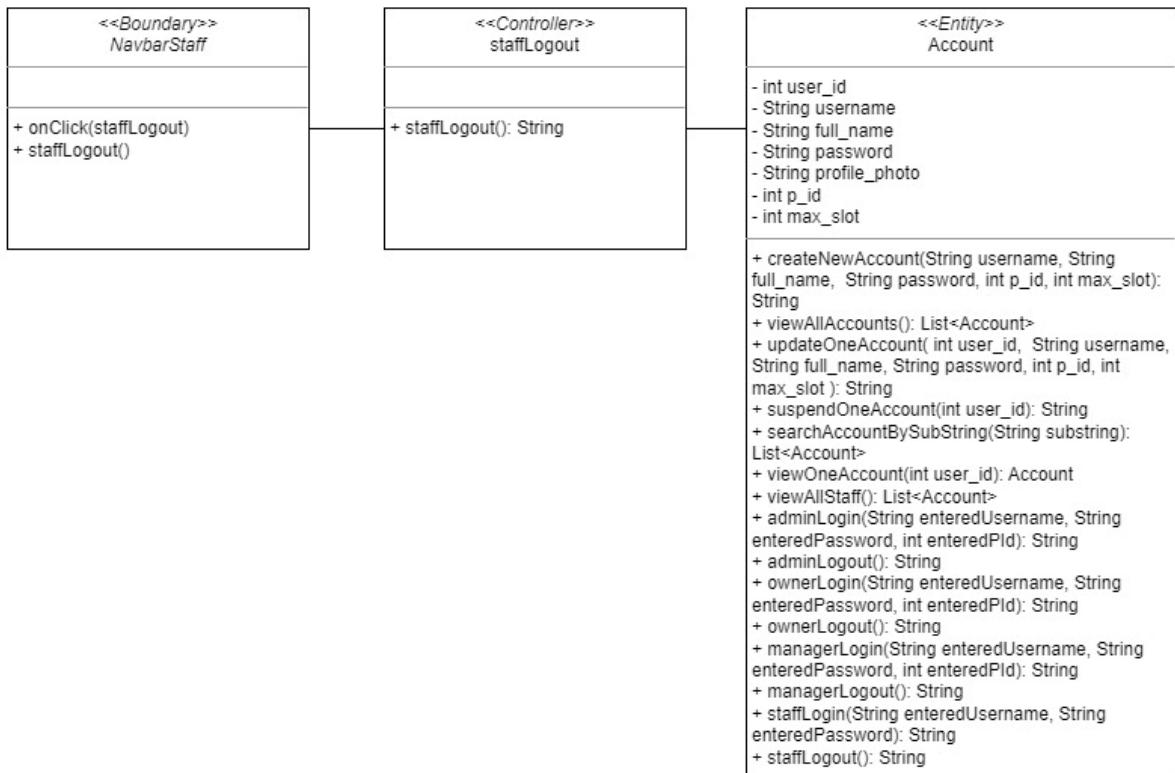
Staff  
 ...

Login Account (Cafe Staff)		User story 35			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC032	Cafe staff tries to login to the account	Select “Staff” in the drop down list  Key in their username and password  Click the “Login” button	System redirect the Cafe staff to the “Staff Dashboard” Page and display message “Admin Login successful”	System redirect the Cafe Staff to the “Staff Dashboard” Page and display message “Admin Login successful”	PASS
TC033	Cafe staff tries to enter invalid username or password when login to the account	Select “Staff” in the drop down list  Key in invalid username or password  Click the “Login” button	System display error message “Login Failed”	System display error message “Login Failed”	PASS

## User Story #36

<b>Name:</b> Logout Account	ID: 36
<b>Stakeholders and goals:</b> Cafe Staff - wants to logout of the account	
<b>Description:</b> Cafe Staff wants to logout of the account to stop the session	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Staff must login to the account.</li><li>2. Cafe Staff must click on the profile icon.</li></ol>	
<b>Trigger:</b> Cafe Staff clicks on the “Logout” button on the popup menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Staff clicks on the “Logout” button on the popup menu.</li><li>2. System removes session for Cafe Staff &amp; displays a window to indicate successful logout.</li><li>3. System redirects Cafe Staff to the login page.</li><li>3. Cafe Staff views the login page.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 36 Cafe Staff logout account.



## User Story #36 Logout Account (Café Staff)

Welcome Staff! What would you like to do today?

Your Successful Bid History

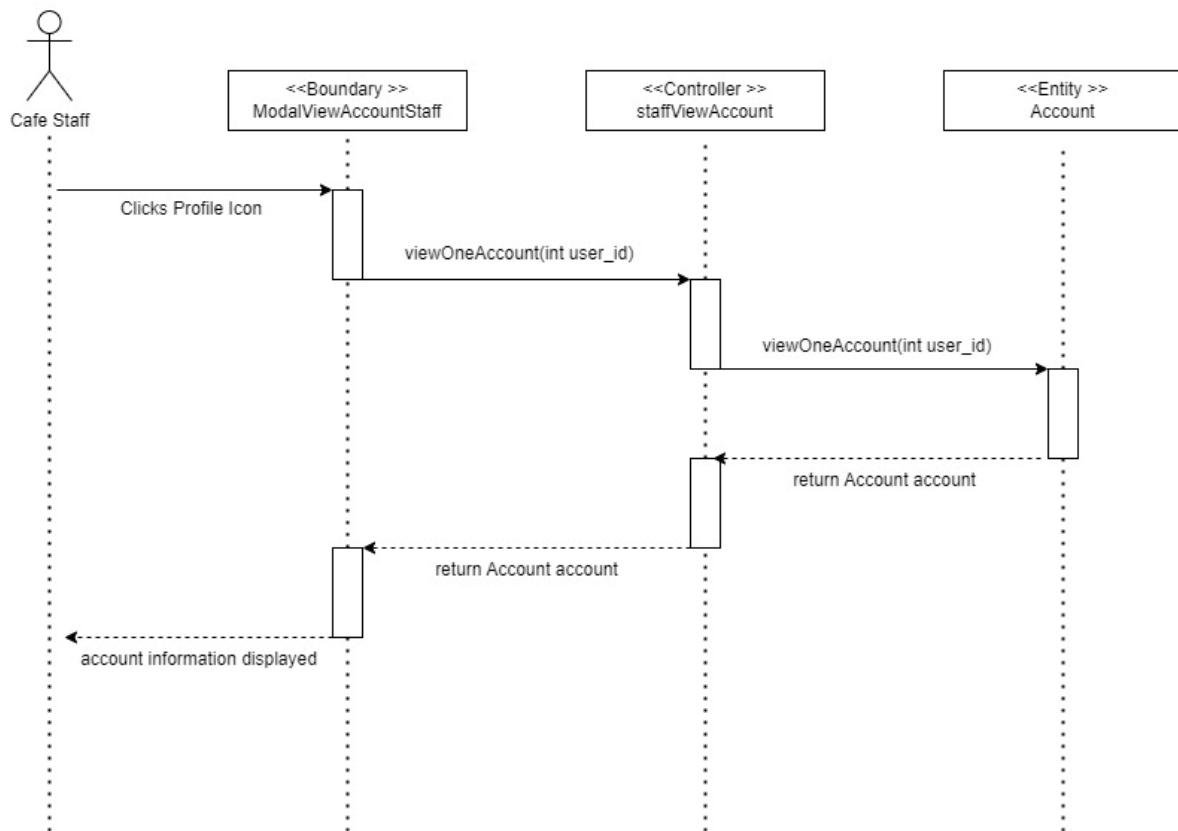
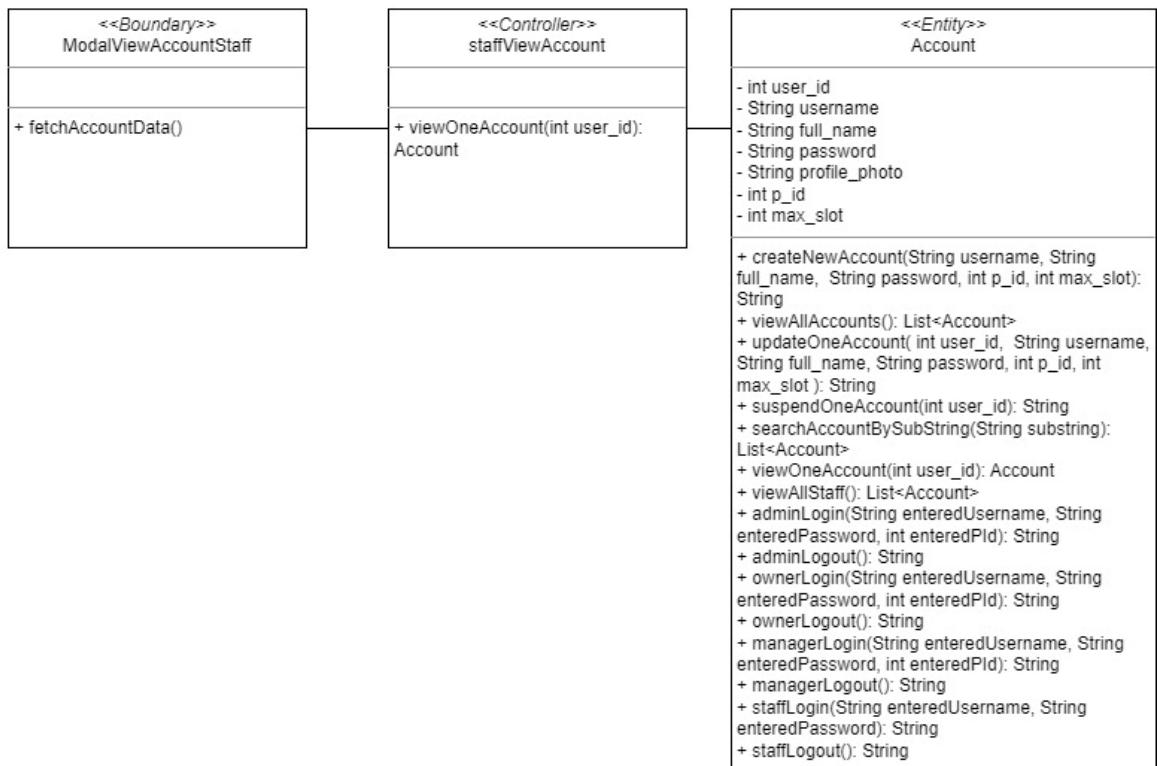
Successful	Rejected	Pending
Bid ID	Date	Shift
4	28/11/23	9AM-1PM
6	27/11/23	1PM-5PM
8	27/11/23	9AM-1PM
104	03/12/23	1PM-5PM
115	27/11/23	9AM-1PM
125	03/12/23	1PM-5PM

Logout Account (Cafe Staff)		User story 36			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC034	Cafe staff tries to logout the account	Click the “profile” icon on top right corner  Click “Logout” from dropdown list	System display message “Staff successfully logged out” and redirect system admin to login page	System display message “Staff successfully logged out” and redirect system admin to login page	PASS

## User Story #37

<b>Name:</b> View Own Account Details	ID: 37
<b>Stakeholders and goals:</b> Cafe Staff - wants to view own account details	
<b>Description:</b> Cafe Staff wants to view personal account details	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b> Cafe Staff must login to the account	
<b>Trigger:</b> Cafe Staff clicks on the profile icon	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Staff clicks on the profile icon.</li><li>2. System will display a popup menu with the following details.<ul style="list-style-type: none"><li>- Full Name</li><li>- User Profile</li></ul></li><li>3. Cafe Staff views the details shown by the System.</li><li>4. End.</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 37 Cafe Staff view own account details.



## User Story #37 View Own Account Details (Café Staff)

The screenshot shows the HEXA software interface. At the top left is the logo "HEXA". On the right side, there is a sidebar with a user icon labeled "Staff" and "Cafe Staff(waiter)". Below the sidebar are links for "Edit Account" and "Logout". The main area displays a table titled "Your Successful Bid History". The table has three columns: "Successful" (green), "Rejected" (red), and "Pending". A search bar and a "Create Bid" button are located above the table. The table data is as follows:

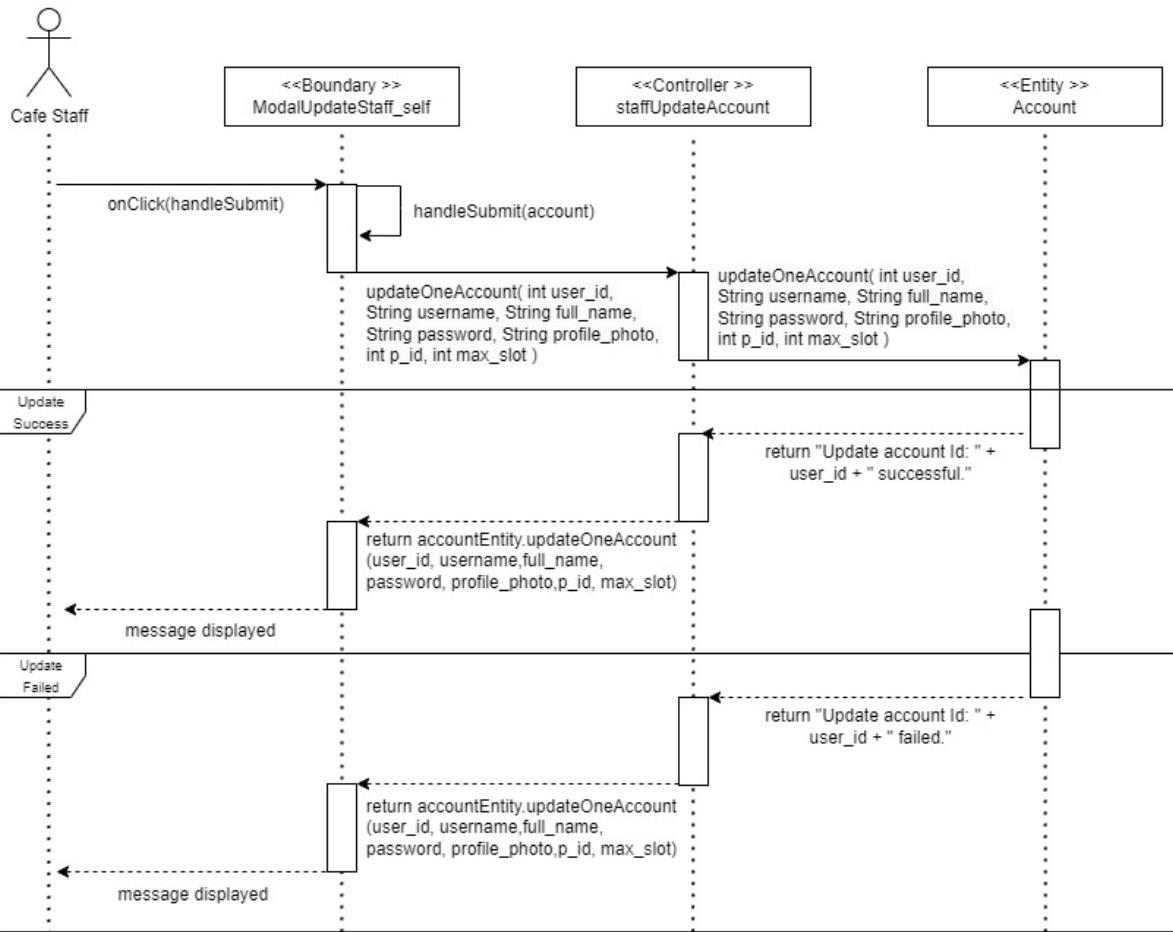
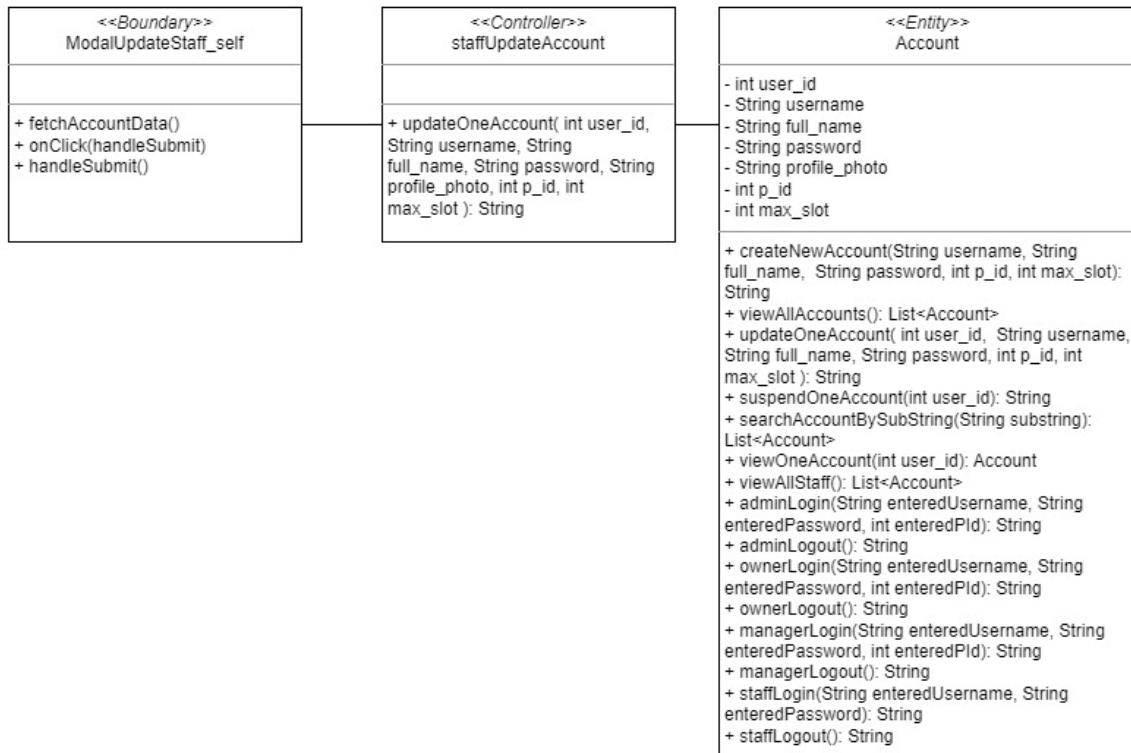
Bid ID	Date	Shift
4	28/11/23	9AM-1PM
6	27/11/23	1PM-5PM
8	27/11/23	9AM-1PM
104	03/12/23	1PM-5PM
115	27/11/23	9AM-1PM
125	03/12/23	1PM-5PM

View Own Account Details (Cafe Staff)		User story 37			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC035	Cafe staff tries to view own account details	Click on the “profile” icon on top right corner	System display Staff information (full name, user profile)	System display Staff information (full name, user profile)	PASS

## User Story #38

<b>Name:</b> Update Own Account Details	ID: 38
<b>Stakeholders and goals:</b> Cafe Staff - wants to update own account details	
<b>Description:</b> Cafe Staff wants to update personal account details	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Staff must log into the account.</li><li>2. Cafe Staff must click on the profile icon.</li></ol>	
<b>Trigger:</b> Cafe Staff clicks on the “Edit Account” button on the popup menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Staff clicks on the “Edit Account” button on the popup menu.</li><li>2. System will display a modal window with the following details.<ul style="list-style-type: none"><li>- Username</li><li>- Full Name</li></ul></li><li>3. Cafe Staff fills in the details and clicks the “Save Changes” button.</li><li>4. System validates the input and updates the profile information.</li><li>5. System pops-up a window to indicate successful update and redirects the Cafe Staff back to the “StaffDashboard ” page.</li><li>6. End.</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> <p>a: Existing username found: The Cafe Staff enters an username that already exist, the system will prompt an error message “Update Account Id: xx failed”</p>	

## User Story # 38 Cafe Staff update own account details.



## User Story #38 Update Own Account Details (Café Staff)



Welcome Staff! What would you like to do today?

Your Successful Bid History

Successful	Rejected	Pending
------------	----------	---------

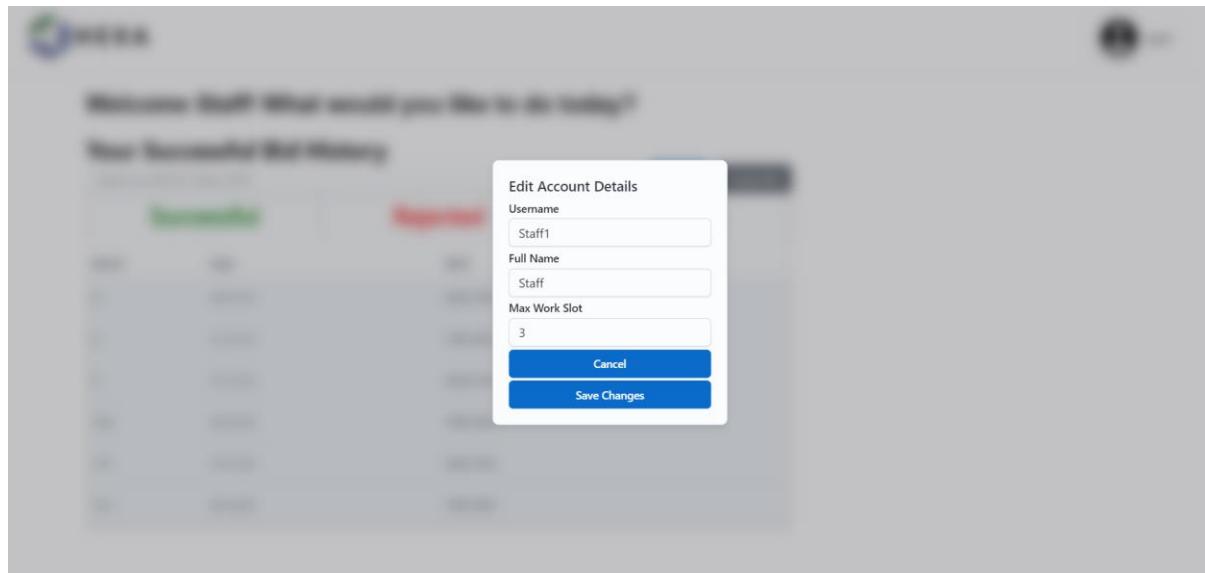


Staff

Cafe Staff(waiter)

Edit Account

Logout

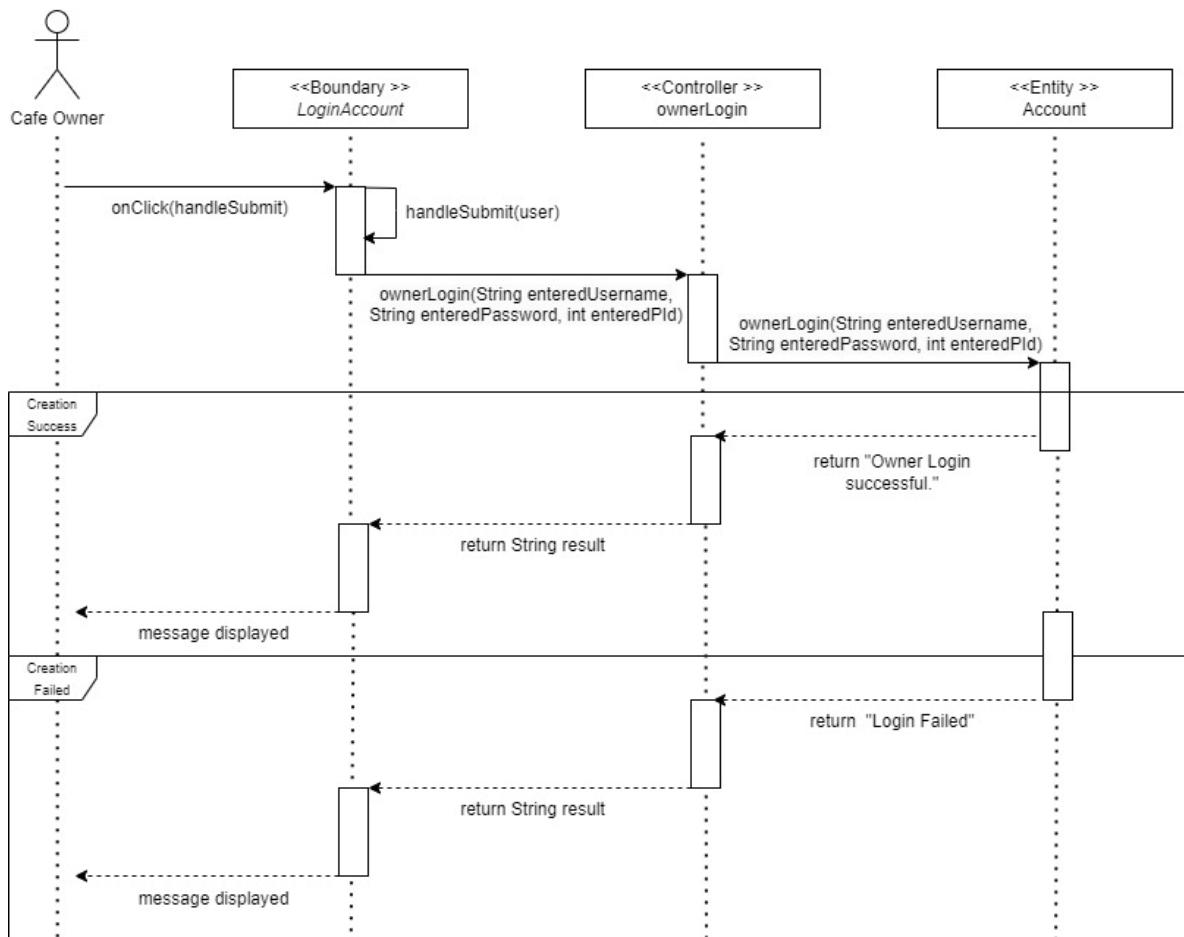
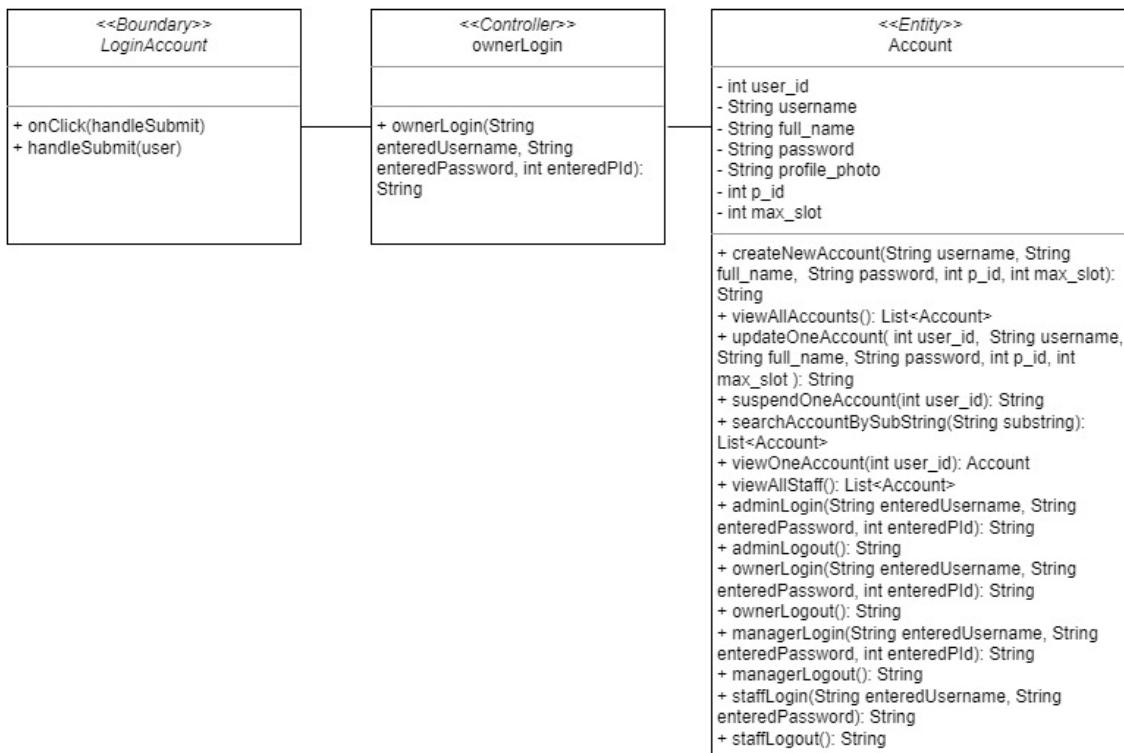


Update Own Account Details (Cafe Staff)		User story 38			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC036	Cafe Staff tries to update own account details	<p>Click on the “profile” icon on top right corner</p> <p>Click the “Edit Account” button on the popup menu and fill in the details</p> <p>Click “Save Changes” button</p>	System display staff information (full name, user profile) and redirects cafe manager back to the “manager Dashboard” page	System display staff information (full name, user profile) and redirects cafe manager back to the “manager Dashboard” page	PASS
TC037	Cafe Staff Tries to update existing username	<p>Click on the “profile” icon on top right corner</p> <p>click the “Edit Account” button on the popup menu</p> <p>Filled in existing username</p> <p>Click “Save Changes” button</p>	System display error message “Update Account id: <id> failed”	System display error message “Update Account id: <id> failed”	PASS

## User Story #44

<b>Name:</b> Login Account	ID: 44
<b>Stakeholders and goals:</b> Cafe Owner - wants to login to the account	
<b>Description:</b> Cafe Owner wants to login to the account	
<b>Actors:</b> Cafe Owner	
<b>Precondition:</b> None	
<b>Trigger:</b> Cafe Owner clicks on the “Login” button	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Owner selects “OWNER” in the drop down list, keys in their username and password and clicks the “Login” button.</li><li>2. System will validate the username and password and pop-up a window to indicate authentication success.</li><li>3. System redirects the Cafe Owner to the “OwnerDashboard ” page.</li><li>4. Cafe Owner views the page.</li><li>5. End.</li></ol>	
<b>Sub-flows: None</b>	
<b>Alternative/Exceptional flows:</b> <p>a: Invalid Login Credentials: Cafe Owner enters incorrect username or password, the System will prompt an error message “Login failed”.</p>	

# User Story # 44 Cafe Owner login account.



## User Story #44 Login Account (Café Owner)



**Login to Your Account**

The Future of Cafe Staff Management: Your Cafe, Your Schedule,

Their Choice

I am the **OWNER** ▾

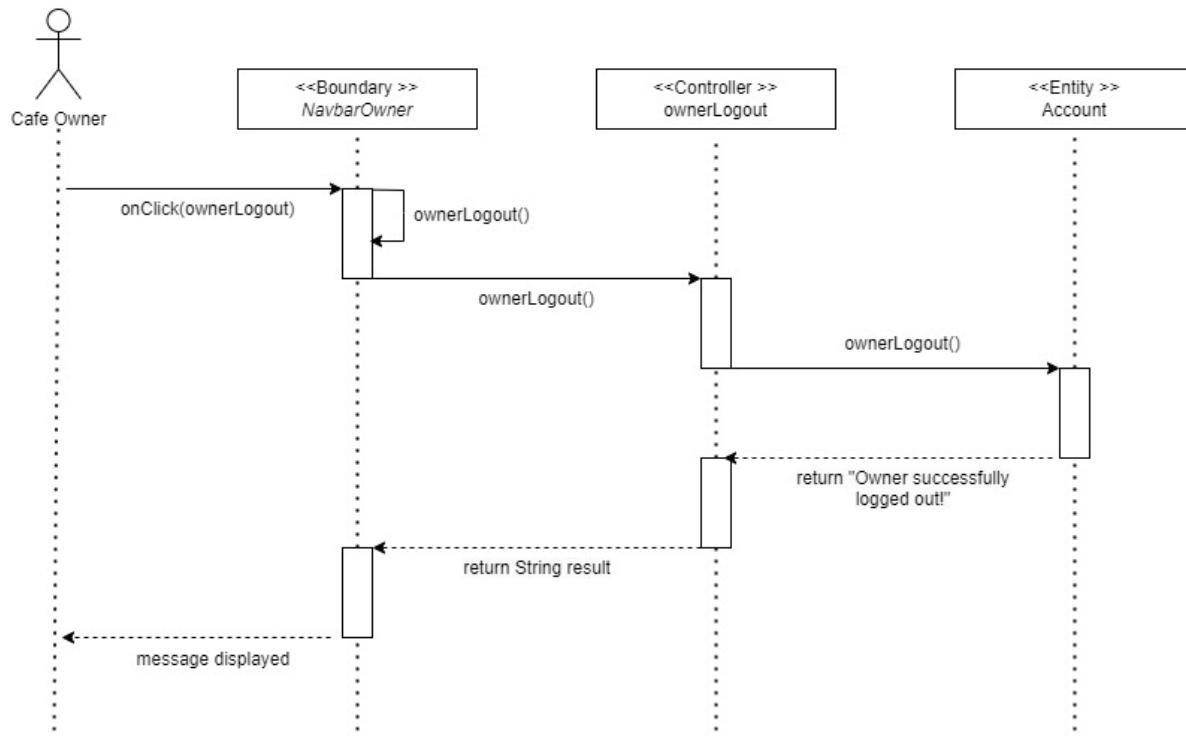
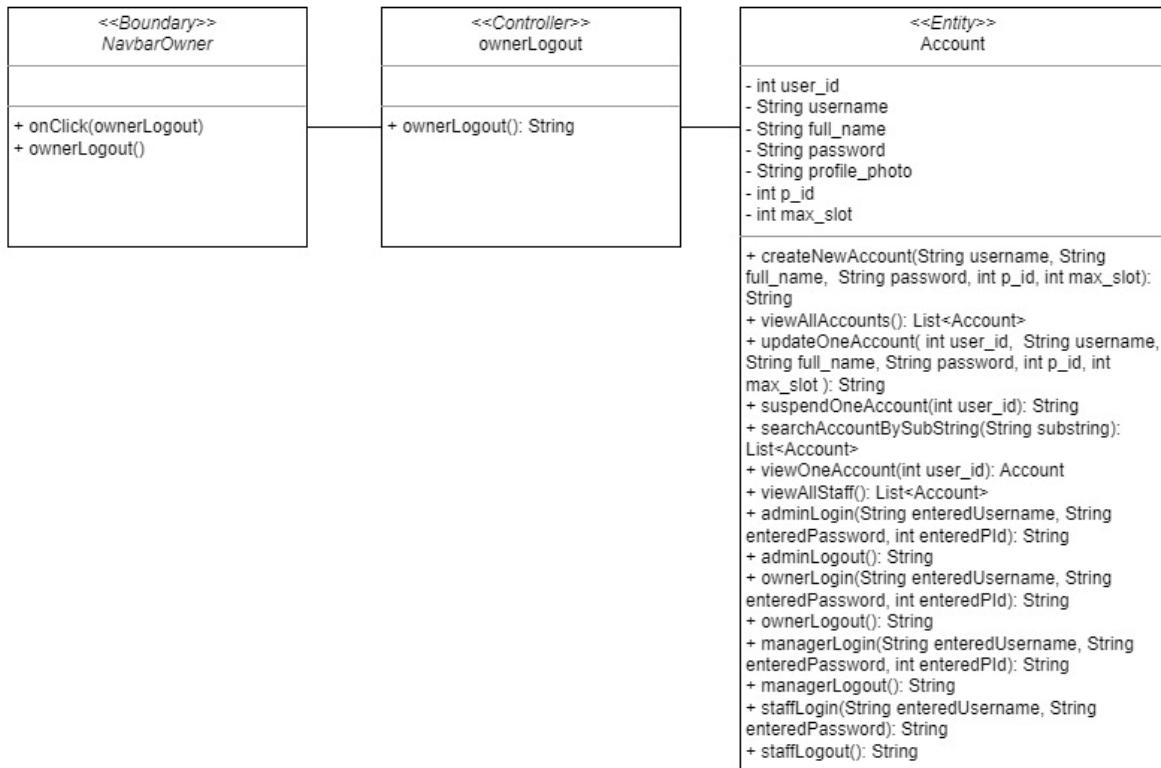
Owner
...
Login

Login Account (Cafe Owner)		User story 44			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC038	Cafe owner tries to login to the account	Select “Owner” in the drop down list  Key in their username and password  Click the “Login” button	System redirect the Cafe owner to the owner Dashboard” Page and display message “Admin Login successful”	System redirect the Cafe owner to the owner Dashboard” Page and display message “Admin Login successful”	PASS
TC039	Cafe owner tries to enter invalid username or password when login to the account	Select “Owner” in the drop down list  Key in invalid username or password  Click the “Login” button	System display error message “Login Failed”	System display error message “Login Failed”	PASS

## User Story #45

<b>Name:</b> Logout Account	ID: 45
<b>Stakeholders and goals:</b> Cafe Owner - wants to logout of the account	
<b>Description:</b> Cafe Owner wants to logout of the account to stop the session	
<b>Actors:</b> Cafe Owner	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Owner must login to the account.</li><li>2. Cafe Owner must click on the profile icon.</li></ol>	
<b>Trigger:</b> Cafe Owner clicks on the “Logout” button on the popup menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Owner clicks on the “Logout” button on the popup menu.</li><li>2. System removes session for Cafe Owner &amp; displays a window to indicate successful logout.</li><li>3. System redirects Cafe Owner to the login page.</li><li>3. Cafe Owner views the login page.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 45 Cafe Owner logout account.



## User Story #45 Logout Account (Café Owner)

The screenshot shows a software application window titled "HEXA". In the top right corner, there is a user profile icon labeled "Owner" and "Cafe Owner". Below the profile, there are two buttons: "Edit Account" and "Logout". The main content area has a heading "Welcome Owner! Which days will the cafe operate?". Below this, a message says "Please set up the work slots for your desired opening days." There is a search bar with placeholder "Search by Slot ID, Date, Shift" and a "Search" button. To the right of the search bar is a "Create Work Slot" button. A table below lists work slots with columns for "Slot ID", "Date", and "Shift". Each row in the table has a small "..." button next to it.

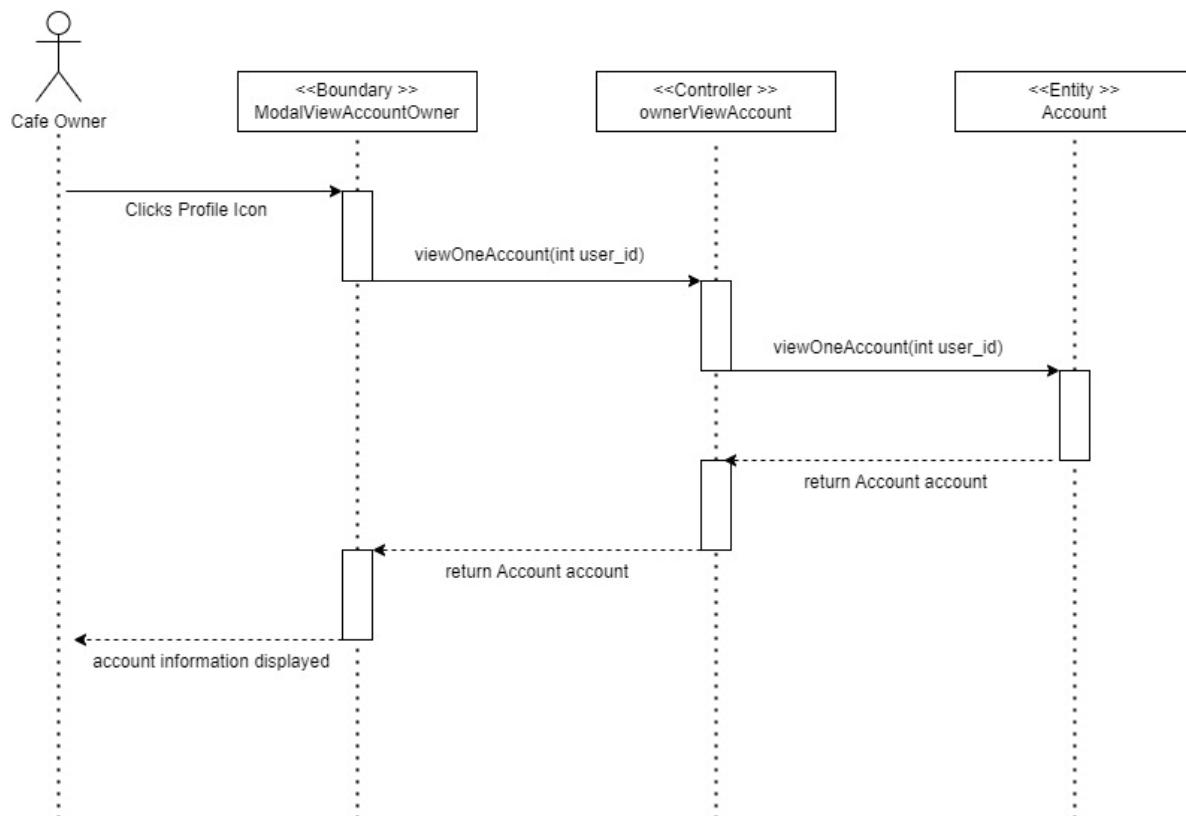
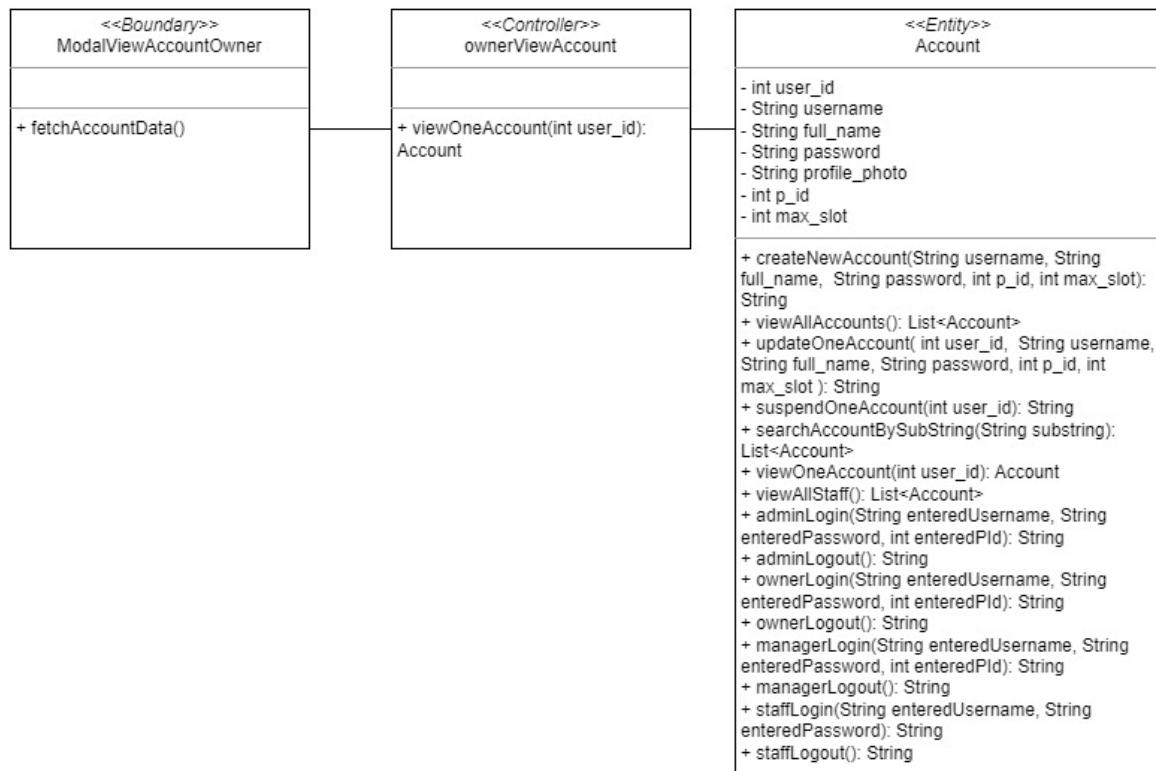
Slot ID	Date	Shift
1	2023-11-27	9AM-1PM
2	2023-11-27	1PM-5PM
3	2023-11-28	9AM-1PM
4	2023-11-28	1PM-5PM
5	2023-11-29	9AM-1PM
6	2023-11-29	1PM-5PM
7	2023-11-30	9AM-1PM

Logout Account (Cafe Owner)		User story 45			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC040	Cafe owner tries to logout the account	Click on the "profile" icon on top right corner  Click "Logout" from dropdown list	System display message "owner successfully logged out" and redirect system admin to login page	System display message "owner successfully logged out" and redirect system admin to login page	PASS

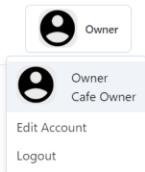
## User Story #46

<b>Name:</b> View Own Account Details	ID: 46
<b>Stakeholders and goals:</b> Cafe Owner - wants to view own account details	
<b>Description:</b> Cafe Owner wants to view personal account details	
<b>Actors:</b> Cafe Owner	
<b>Precondition:</b> Cafe Owner must login to the account	
<b>Trigger:</b> Cafe Owner clicks on the profile icon	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Owner clicks on the profile icon.</li><li>2. System will display a popup menu with the following details.<ul style="list-style-type: none"><li>- Full Name</li><li>- User Profile</li></ul></li><li>3. Cafe Owner views the details shown by the System.</li><li>4. End.</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 46 Cafe Owner view own account details.



## User Story #46 View Own Account Details (Café Owner)

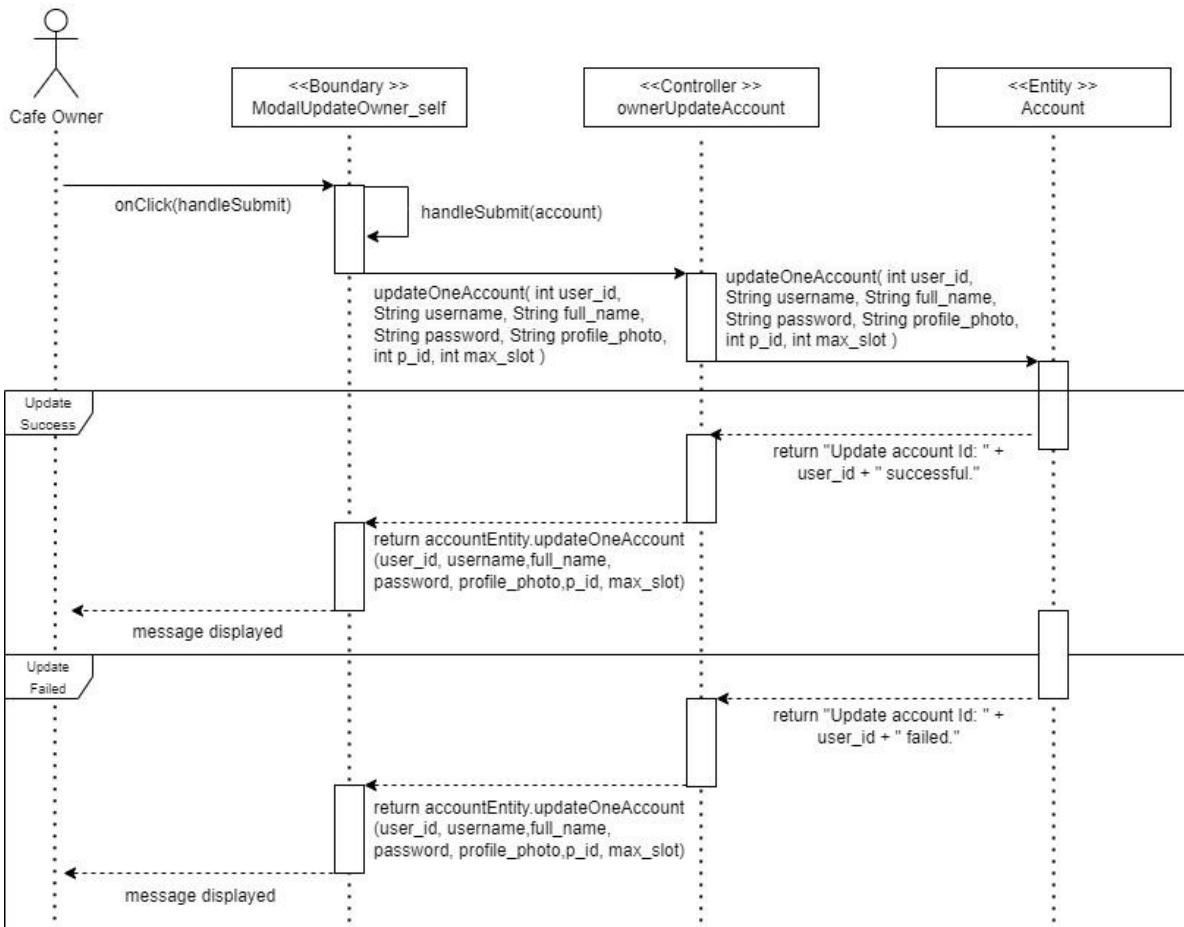
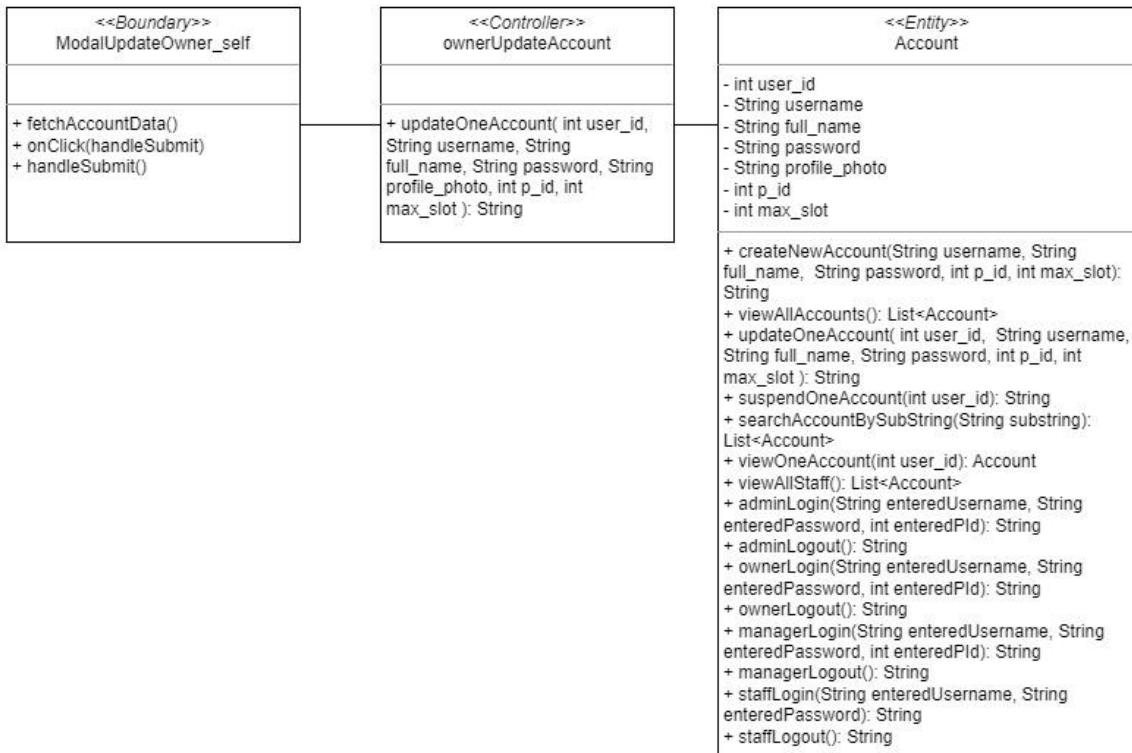


View Own Account Details (Cafe Owner)		User story 46			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC041	Cafe Owner tries to view own account details	Click on the “profile” icon on top right corner	System display Owner information (full name, user profile)	System display Owner information (full name, user profile)	PASS

## User Story #47

<b>Name:</b> Update Own Account Details	ID: 47
<b>Stakeholders and goals:</b> Cafe Owner - wants to update own account details	
<b>Description:</b> Cafe Owner wants to update personal account details	
<b>Actors:</b> Cafe Owner	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Owner must log into the account.</li><li>2. Cafe Owner must click on the profile icon.</li></ol>	
<b>Trigger:</b> Cafe Owner clicks on the “Edit Account” button on the popup menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Owner clicks on the “Edit Account” button on the popup menu.</li><li>2. System will display a modal window with the following details.<ul style="list-style-type: none"><li>- Username</li><li>- Full Name</li></ul></li><li>3. Cafe Owner fills in the details and clicks the “Save Changes” button.</li><li>4. System validates the input and updates the profile information.</li><li>5. System pops-up a window to indicate successful update and redirects the Cafe Owner back to the “OwnerDashboard” page.</li><li>6. End.</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> <p>a: Existing username found: The Cafe Owner enters an username that already exist, the system will prompt an error message “Update Account Id: xx failed”</p>	

## User Story # 47 Cafe Owner update own account details.



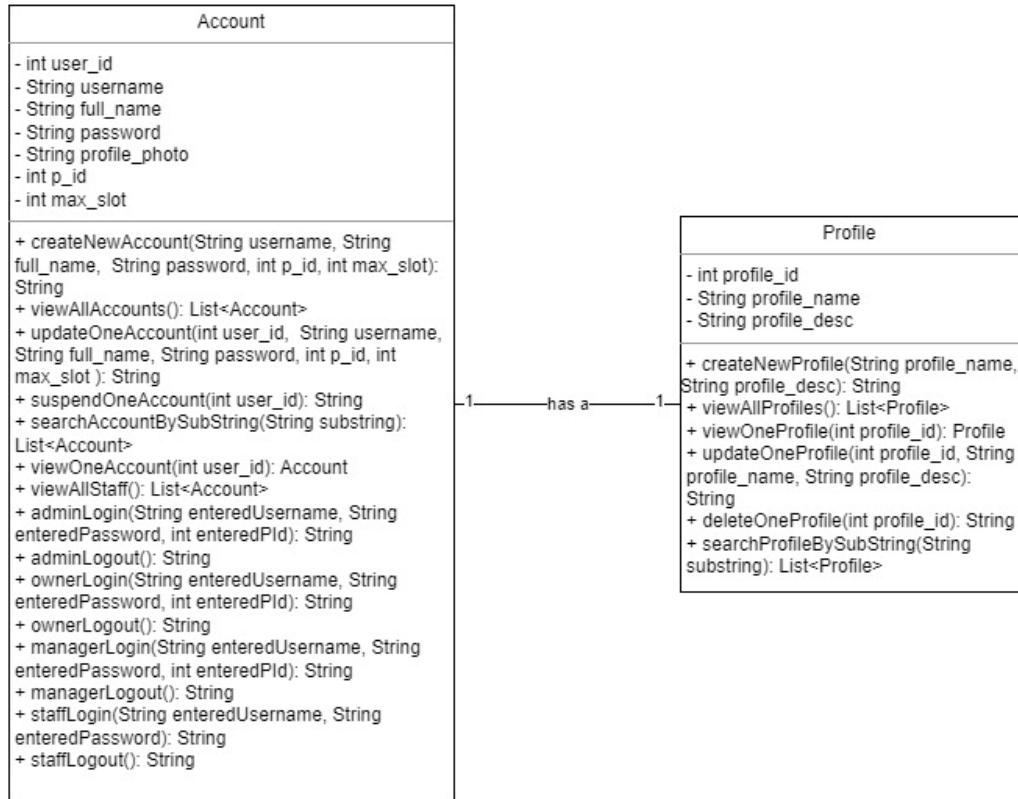
## User Story #47 Update Own Account Details (Café Owner)

The screenshot shows the HEXA software interface for a Café Owner. At the top left is the HEXA logo. On the right is a sidebar with user information: "Owner" and "Cafe Owner", "Edit Account" (which is highlighted), and "Logout". The main area has a heading "Welcome Owner! Which days will the cafe operate?". Below it is a search bar with placeholder "Search by Slot ID, Date, Shift" and buttons for "Search" and "Create Work Slot". A table lists a single work slot: Slot ID 1, Date 2023-11-27, and Shift 9AM-1PM. In the foreground, a modal window titled "Edit Account Details" is open, containing fields for "Username" (Owner1) and "Full Name" (Owner), along with "Cancel" and "Save Changes" buttons.

Update Own Account Details (Cafe Owner)		User story 47			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC042	Cafe Owner Tries to update own account details	Click on the “profile” icon on top right corner Click the “Edit Account” button on the popup menu Fill in the details Click “Save Changes” button	System display Owner information (full name, user profile) and redirects cafe manager back to the “Manager Dashboard” page	System display Owner information (full name, user profile) and redirects cafe manager back to the “Manager Dashboard” page	PASS
TC043	Cafe Owner Tries to update existing username	Click on the “profile” icon on top right corner Click the “Edit Account” button on the popup menu Fill in existing username and click “Save Changes” button	System display error message “Update Account id: <id> failed”	System display error message “Update Account id: <id> failed”	PASS

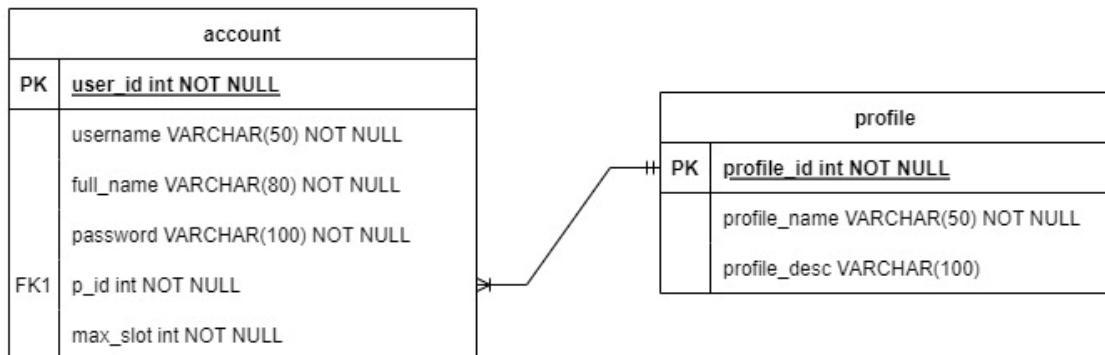
# Class Diagram

SPRINT 1



# Data Persistence Diagram

SPRINT 1



# Taiga Progress

## User Story #1 Create Account

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
#1 As a System Admin, I want to create a user account so that the user can start using the system.	New			#48 Use Case Diagram #49 Use Case Description #50 BCE Diagram #51 Sequence Diagram #52 Class Diagram #53 Wireframe for Development #54 Back End Development #55 Front End Development #56 Codes Integration #57 Test Plan & Test Cases #58 Documentation Work	

## User Story #2 View Accounts

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
#2 As a System Admin, I want to view all user accounts so that I can have an overview of all the created accounts.	New			#59 Use Case Diagram #60 Use Case Description #61 BCE Diagram #62 Sequence Diagram #63 Class Diagram #64 Wireframe for Development #65 Back End Development #66 Front End Development #67 Test Plan & Test Cases #68 Documentation Work #69 Codes Integration	

## User Story #3 View Account Detail

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #3 As a System Admin, I want to view an account's details so that I can verify details of the account's user.</p> <p>[N/E] NEW</p>				<p>#70 Use Case Diagram 🕒</p> <p>#71 Use Case Description 🕒</p> <p>#72 BCE Diagram 🕒</p> <p>#73 Sequence Diagram 🕒</p> <p>#74 Class Diagram 🕒</p> <p>#75 Wireframe for Development 🕒</p> <p>#76 Back End Development 🕒</p> <p>#77 Front End Development 🕒</p> <p>#78 Codes Integration 🕒</p> <p>#79 Test Plan &amp; Test Cases 🕒</p> <p>#80 Documentation Work 🕒</p>	

## User Story #4 Update Account

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #4 As a System Admin, I want to update a user account so that I can make changes to the account and ensure the details are up to date.</p> <p>[N/E] NEW</p>				<p>#92 Use Case Diagram 🕒</p> <p>#93 Use Case Description 🕒</p> <p>#94 BCE Diagram 🕒</p> <p>#95 Sequence Diagram 🕒</p> <p>#96 Class Diagram 🕒</p> <p>#97 Wireframe for Development 🕒</p> <p>#98 Back End Development 🕒</p> <p>#99 Front End Development 🕒</p> <p>#100 Codes Integration 🕒</p> <p>#101 Test Plan &amp; Test Cases 🕒</p> <p>#102 Documentation Work 🕒</p>	

## User Story #5 Suspend Account

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #5 As a System Admin, I want to suspend a user account so that irrelevant accounts can be removed.</p> <p>N/E</p>	NEW			<p>#103 Use Case Diagram</p> <p>#104 Use Case Description</p> <p>#105 BCE Diagram</p> <p>#106 Sequence Diagram</p> <p>#107 Class Diagram</p> <p>#108 Wireframe for Development</p> <p>#109 Back End Development</p> <p>#110 Front End Development</p> <p>#111 Codes Integration</p> <p>#112 Test Plan &amp; Test Cases</p> <p>#113 Documentation Work</p>	

## User Story #6 Search Account

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #6 As a System Admin, I want to search for a user account so that I can find a specific user account based on username.</p> <p>N/E</p>	NEW			<p>#114 Use Case Diagram</p> <p>#115 Use Case Description</p> <p>#116 BCE Diagram</p> <p>#117 Sequence Diagram</p> <p>#118 Class Diagram</p> <p>#119 Wireframe for Development</p> <p>#120 Back End Development</p> <p>#121 Front End Development</p> <p>#122 Codes Integration</p> <p>#123 Test Plan &amp; Test Cases</p> <p>#124 Documentation Work</p>	

## User Story #7 Create Profile

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #7 As a System Admin, I want to create a user profile so that each type of user can be differentiated.</p> <p>[N/E] NEW</p>				<p>#125 Use Case Diagram</p> <p>#126 Use Case Description</p> <p>#127 BCE Diagram</p> <p>#128 Sequence Diagram</p> <p>#129 Class Diagram</p> <p>#130 Wireframe for Development</p> <p>#131 Back End Development</p> <p>#132 Front End Development</p> <p>#133 Codes Integration</p> <p>#134 Test Plan &amp; Test Cases</p> <p>#135 Documentation Work</p>	

## User Story #8 View Profile

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #8 As a System Admin, I want to view profiles so that I can check the profiles currently available.</p> <p>[N/E] NEW</p>				<p>#137 Use Case Description</p> <p>#138 BCE Diagram</p> <p>#139 Use Case Diagram</p> <p>#140 Class Diagram</p> <p>#141 Sequence Diagram</p> <p>#142 Wireframe for Development</p> <p>#143 Back End Development</p> <p>#144 Front End Development</p> <p>#145 Codes Integration</p> <p>#146 Test Plan &amp; Test Cases</p> <p>#147 Documentation Work</p>	

## User Story #9 Update Profile

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>#9 As a System Admin, I want to update profiles so that profiles are up to date.</p> <p>[N/E] NEW</p>				<p>#147 Use Case Diagram</p> <p>#148 Use Case Description</p> <p>#149 BCE Diagram</p> <p>#150 Sequence Diagram</p> <p>#151 Class Diagram</p> <p>#152 Wireframe for Development</p> <p>#153 Back End Development</p> <p>#154 Front End Development</p> <p>#155 Codes Integration</p> <p>#156 Test Plan &amp; Test Cases</p> <p>#157 Documentation Work</p>	

## User Story #10 Suspend Profile

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>#10 As a System Admin, I want to delete user profiles so that I can remove unwanted profiles.</p> <p>[N/E] NEW</p>				<p>#158 Use Case Diagram</p> <p>#159 Use Case Description</p> <p>#160 BCE Diagram</p> <p>#161 Sequence Diagram</p> <p>#162 Class Diagram</p> <p>#163 Wireframe for Development</p> <p>#164 Back End Development</p> <p>#165 Front End Development</p> <p>#166 Codes Integration</p> <p>#167 Test Plan &amp; Test Cases</p> <p>#168 Documentation Work</p>	

## User Story #11 Search Profile

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #11 As a System Admin, I want to search user profiles so that a specific profile can be found.</p> <p>[NEW] NEW</p>				<p>#169 Use Case Diagram @</p> <p>#170 Use Case Description @</p> <p>#171 BCE Diagram @</p> <p>#172 Sequence Diagram @</p> <p>#174 Wireframe for Development @</p> <p>#173 Class Diagram @</p> <p>#175 Back End Development @</p> <p>#176 Front End Development @</p> <p>#177 Codes Integration @</p> <p>#178 Test Plan &amp; Test Cases @</p> <p>#179 Documentation Work @</p>	

## User Story #12 Login Account (System Admin)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #12 As a System Admin, I want to login to my own account so that I can use my account.</p> <p>[NEW] NEW</p>				<p>#180 Use Case Diagram @</p> <p>#182 BCE Diagram @</p> <p>#181 Use Case Description @</p> <p>#183 Sequence Diagram @</p> <p>#184 Class Diagram @</p> <p>#186 Back End Development @</p> <p>#185 Wireframe for Development @</p> <p>#187 Front End Development @</p> <p>#188 Codes Integration @</p> <p>#189 Test Plan &amp; Test Cases @</p> <p>#190 Documentation Work @</p>	

## User Story #13 Logout Account (System Admin)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #13 As a System Admin, I want to logout of my account so that I can exit my account and stop using the program.</p> <p>N/B</p>	NEW			<p>#191 Use Case Diagram</p> <p>#192 Use Case Description</p> <p>#193 BCE Diagram</p> <p>#194 Sequence Diagram</p> <p>#195 Class Diagram</p> <p>#196 Wireframe For Development</p> <p>#197 Back End Development</p> <p>#198 Front End Development</p> <p>#199 Codes Integration</p> <p>#200 Test Plan &amp; Test Cases</p> <p>#201 Documentation Work</p>	

## User Story #14 View Own Account Details (System Admin)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #14 As a System Admin, I want to view my own account details so that I can verify my own details.</p> <p>N/B</p>	NEW			<p>#206 Class Diagram</p> <p>#202 Use Case Diagram</p> <p>#203 Use Case Description</p> <p>#204 BCE Diagram</p> <p>#205 Sequence Diagram</p> <p>#207 Wireframe for Development</p> <p>#208 Back End Development</p> <p>#209 Front End Development</p> <p>#210 Codes Integration</p> <p>#211 Test Plan &amp; Test Cases</p> <p>#212 Documentation Work</p>	

## User Story #15 Update Own Account Details (System Admin)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #15 As a System Admin, I want to update my own account details to ensure my particulars are up to date.</p> <p>N/E NEW</p>				<p>#219 Back End Development</p> <p>#213 Use Case Diagram</p> <p>#214 Use Case Description</p> <p>#215 BCE Diagram</p> <p>#216 Sequence Diagram</p> <p>#217 Class Diagram</p> <p>#218 Wireframe for Development</p> <p>#220 Front End Development</p> <p>#221 Codes Integration</p> <p>#222 Test Plan &amp; Test Cases</p> <p>#223 Documentation Work</p>	

## User Story #23 Login Account (Café Manager)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #23 As a café manager, I want to login to my own account so that I can use my account.</p> <p>N/E NEW</p>				<p>#224 Use Case Diagram</p> <p>#225 Use Case Description</p> <p>#226 BCE Diagram</p> <p>#227 Sequence Diagram</p> <p>#228 Class Diagram</p> <p>#229 Wireframe for Development</p> <p>#230 Back End Development</p> <p>#231 Front End Development</p> <p>#232 Codes Integration</p> <p>#233 Test Plan &amp; Test Cases</p> <p>#234 Documentation Work</p>	

## User Story #24 Logout Account (Café Manager)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #24 As a cafe manager, I want to logout of my account so that I can exit my account and stop using the program.</p> <p>[N/E] NEW</p>				<p>#235 Use Case Diagram</p> <p>#236 Use Case Description</p> <p>#237 BCE Diagram</p> <p>#238 Sequence Diagram</p> <p>#239 Class Diagram</p> <p>#240 Wireframe for Development</p> <p>#241 Back End Development</p> <p>#242 Front End Development</p> <p>#243 Codes Integration</p> <p>#244 Test Plan &amp; Test Cases</p> <p>#245 Documentation Work</p>	

## User Story #25 View Own Account Details (Café Manager)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #25 As a cafe manager, I want to view my own account details so that I can verify my own details.</p> <p>[N/E] NEW</p>				<p>#246 Use Case Diagram</p> <p>#247 Use Case Description</p> <p>#248 BCE Diagram</p> <p>#249 Sequence Diagram</p> <p>#250 Class Diagram</p> <p>#251 Wireframe for Development</p> <p>#252 Back End Development</p> <p>#253 Front End Development</p> <p>#254 Codes Integration</p> <p>#255 Test Plan &amp; Test Cases</p> <p>#256 Documentation Work</p>	

## User Story #26 Update Own Account Details (Café Manager)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
#26 As a cafe manager, I want to update my own account details to ensure my particulars are up to date.  N/E NEW				#260 Sequence Diagram #262 Wireframe For Development #263 Back End Development #257 Use Case Diagram #258 Use Case Description #259 BCE Diagram #261 Class Diagram #264 Front End Development #265 Codes Integration #266 Test Plan & Test Cases #267 Documentation Work	

## User Story #35 Login Account (Café Staff)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
#35 As a cafe staff, I want to login to my own account so that I can use my account.  N/E NEW				#268 Use Case Diagram #269 Use Case Description #270 BCE Diagram #271 Sequence Diagram #272 Class Diagram #273 Wireframe for Development #274 Back End Development #275 Front End Development #276 Codes Integration #278 Documentation Work #277 Test Plan & Test Cases	

## User Story #36 Logout Account (Café Staff)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
#36 As a café staff, I want to logout of my account so that I can exit my account and stop using the program. N/E	NEW			#282 Sequence Diagram #283 Class Diagram #288 Test Plan & Test Cases #279 Use Case Diagram #280 Use Case Description #281 BCE Diagram #284 Wireframe for Development #285 Back End Development #286 Front End Development #287 Codes integration #289 Documentation Work	

## User Story #37 View Own Account Details (Café Staff)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
#37 As a café staff, I want to view my own account details which include role and max work slot so that I can verify that these details are correct. N/E	NEW			#290 Use Case Diagram #291 Use Case Description #292 BCE Diagram #293 Sequence Diagram #294 Class Diagram #295 Wireframe for Development #296 Back End Development #297 Front End Development #298 Codes integration #299 Test Plan & Test Cases #300 Documentation Work	

## User Story #38 Update Own Account Details (Café Staff)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #38 As a café staff, I want to update my own account details to ensure my particulars and max work slots are up to date.</p> <p>[NEW] NEW</p>				<p>#301 Use Case Diagram 🕒</p> <p>#302 Use Case Description 🕒</p> <p>#303 BCE Diagram 🕒</p> <p>#304 Sequence Diagram 🕒</p> <p>#305 Class Diagram 🕒</p> <p>#306 Wireframe for Development 🕒</p> <p>#307 Back End Development 🕒</p> <p>#308 Front End Development 🕒</p> <p>#309 Codes Integration 🕒</p> <p>#310 Test Plan &amp; Test Cases 🕒</p> <p>#311 Documentation Work 🕒</p>	

## User Story #44 Login Account (Café Owner)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #44 As a café owner, I want to login to my own account so that I can use my account.</p> <p>[NEW] NEW</p>				<p>#315 Sequence Diagram 🕒</p> <p>#312 Use Case Diagram 🕒</p> <p>#322 Documentation Work 🕒</p> <p>#313 Use Case Description 🕒</p> <p>#314 BCE Diagram 🕒</p> <p>#316 Class Diagram 🕒</p> <p>#317 Wireframe for Development 🕒</p> <p>#318 Back End Development 🕒</p> <p>#319 Front End Development 🕒</p> <p>#320 Codes Integration 🕒</p> <p>#321 Test Plan &amp; Test Cases 🕒</p>	

## User Story #45 Logout Account (Café Owner)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #45 As a café owner, I want to logout of my account so that I can exit my account and stop using the program.</p> <p>[N/E] NEW</p>				<p>#323 Use Case Diagram @</p> <p>#324 Use Case Description @</p> <p>#325 BCE Diagram @</p> <p>#326 Sequence Diagram @</p> <p>#327 Class Diagram @</p> <p>#328 Wireframe for Development @</p> <p>#329 Back End Development @</p> <p>#330 Front End Development @</p> <p>#331 Codes Integration @</p> <p>#332 Test Plan &amp; Test Cases @</p> <p>#333 Documentation Work @</p>	

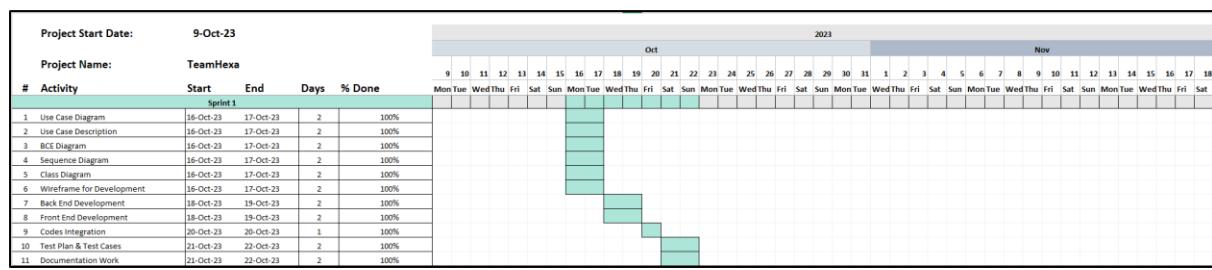
## User Story #46 View Own Account Details (Café Owner)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #46 As a café owner, I want to view my own account details so that I can verify my own details.</p> <p>[N/E] NEW</p>				<p>#334 Use Case Diagram @</p> <p>#335 Use Case Description @</p> <p>#336 BCE Diagram @</p> <p>#337 Sequence Diagram @</p> <p>#338 Class Diagram @</p> <p>#339 Wireframe for Development @</p> <p>#340 Back End Development @</p> <p>#341 Front End Development @</p> <p>#342 Codes Integration @</p> <p>#343 Test Plan &amp; Test Cases @</p> <p>#344 Documentation Work @</p>	

## User Story #47 Update Own Account Details (Café Owner)

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>#47 As a cafe owner, I want to update my own account details so that my particulars are up to date.</p> <p>[RE] NEW</p>				<p>#351 Back End Development</p> <p>#345 Use Case Diagram</p> <p>#346 Use Case Description</p> <p>#347 BCE Diagram</p> <p>#348 Sequence Diagram</p> <p>#349 Class Diagram</p> <p>#350 Wireframe for Development</p> <p>#352 Front End Development</p> <p>#353 Codes Integration</p> <p>#354 Test Plan &amp; Test Cases</p> <p>#355 Documentation Work</p>	

# Gantt Chart



# Meeting Number 4

## Meeting Details

Project Name	Cafe Management
Current Sprint Status	Sprint 1 Review
Meeting Number	4
Date & Time	22-10-2023, 2100-2300
Location	Discord Online
Meeting Objective	Review on completed sprint 1 product
Attendance	All Members

## Discussion Topic

No.	Meeting Agenda
1.	<b>Review Sprint 1 Product &amp; Development</b> <ul style="list-style-type: none"><li>- Final Test Session on Sprint 1 Product to ensure codes are working well.</li><li>- Final Check on Completed Documentation<ul style="list-style-type: none"><li>o Use Case Diagram</li><li>o Use Case Description</li><li>o BCE Diagram</li><li>o Sequence Diagram</li><li>o Class Diagram</li><li>o Wireframe for Development</li><li>o Test Plan &amp; Test Cases</li></ul></li><li>- Final Check on Sprint 1 Codes<ul style="list-style-type: none"><li>o Back End Development</li><li>o Front End Development</li><li>o Codes Integration &amp; Database</li></ul></li><li>- Provide Sprint 1 Update on Taiga</li><li>- Finalize Gantt Chart for respective sprint</li></ul>

## Team Organization

1. Documentation Team: Lee Kuok Wei & Ben Lee
2. Front-End Team: Cressensia & Jim Low
3. Back-End Team: Zhang Boyu & Tan Jing Zhi

# Sprint 2

## Meeting Number 5

### Meeting Details

Project Name	Cafe Management
Current Sprint Status	Sprint 2 Commencement
Meeting Number	5
Date & Time	23-10-2023, 1000-1200
Location	SIM Block A
Meeting Objective	Discuss Requirements for Sprint 2
Attendance	All Members

### Discussion Topics

No.	Meeting Agenda
1.	<b>Discussion on Sprint 2 User Flow for User Stories</b> <ul style="list-style-type: none"><li>- User Cases of Café Staff are selected for Sprint 2 Development.</li><li>- General visualisation of user flow for wireframe creation.</li></ul>
2.	<b>Commenced Development on Sprint 2 Backlog Items.</b> <ul style="list-style-type: none"><li>- Documentation Team starts Development Diagrams.</li><li>- Cressensia comes up with Wireframe.</li><li>- Back End &amp; Front End start coding based on agreed standard.</li><li>- Boyu handles Integration Work.</li><li>- Documentation Team conducts test plan and test cases.</li></ul>

### Deliverables

No.	Tasks By Next Meeting (29-10-2023)	Execution Members
1.	Sprint 2 Item: Development Diagrams. <ul style="list-style-type: none"><li>- Use Case Diagram</li><li>- Use Case Description</li><li>- BCE Diagram</li><li>- Sequence Diagram</li></ul>	Documentation Team
2.	Sprint 2 Item: Wireframe.	Cressensia
3.	Sprint 2 Item: Back End Development.	Back-End Team
4.	Sprint 2 Item: Front End Development.	Front-End Team
5.	Sprint 2 Item: Class Diagram	Zhang Boyu
6.	Sprint 2 Item: Codes Integration & Database	Zhang Boyu
7.	Sprint 2 Item: Complete Testing.	Tan Jing Zhi
8.	Sprint 2 Item: Compile Sprint Documentation.	Documentation Team

### Team Organization

1. Documentation Team: Lee Kuok Wei & Ben Lee
2. Front-End Team: Cressensia & Jim Low
3. Back-End Team: Zhang Boyu & Tan Jing Zhi

## User Stories

#28 As a cafe staff, I want to create a bid for a work slot so that I can work based on my available schedule.

#29 As a cafe staff, I want to view a list of pending bids so that I can see the bids I have made so far.

#30 As a cafe staff, I want to view my successful bids so that I know which work slots I have bided are now part of my work schedule.

#31 As a cafe staff, I want to view my rejected bids so that I know which work slots I have bided will not be a part of my work schedule.

#32 As a cafe staff , I want to update any pending bid that has yet to be approved, so that I can make changes to my bid according to my updated schedule.

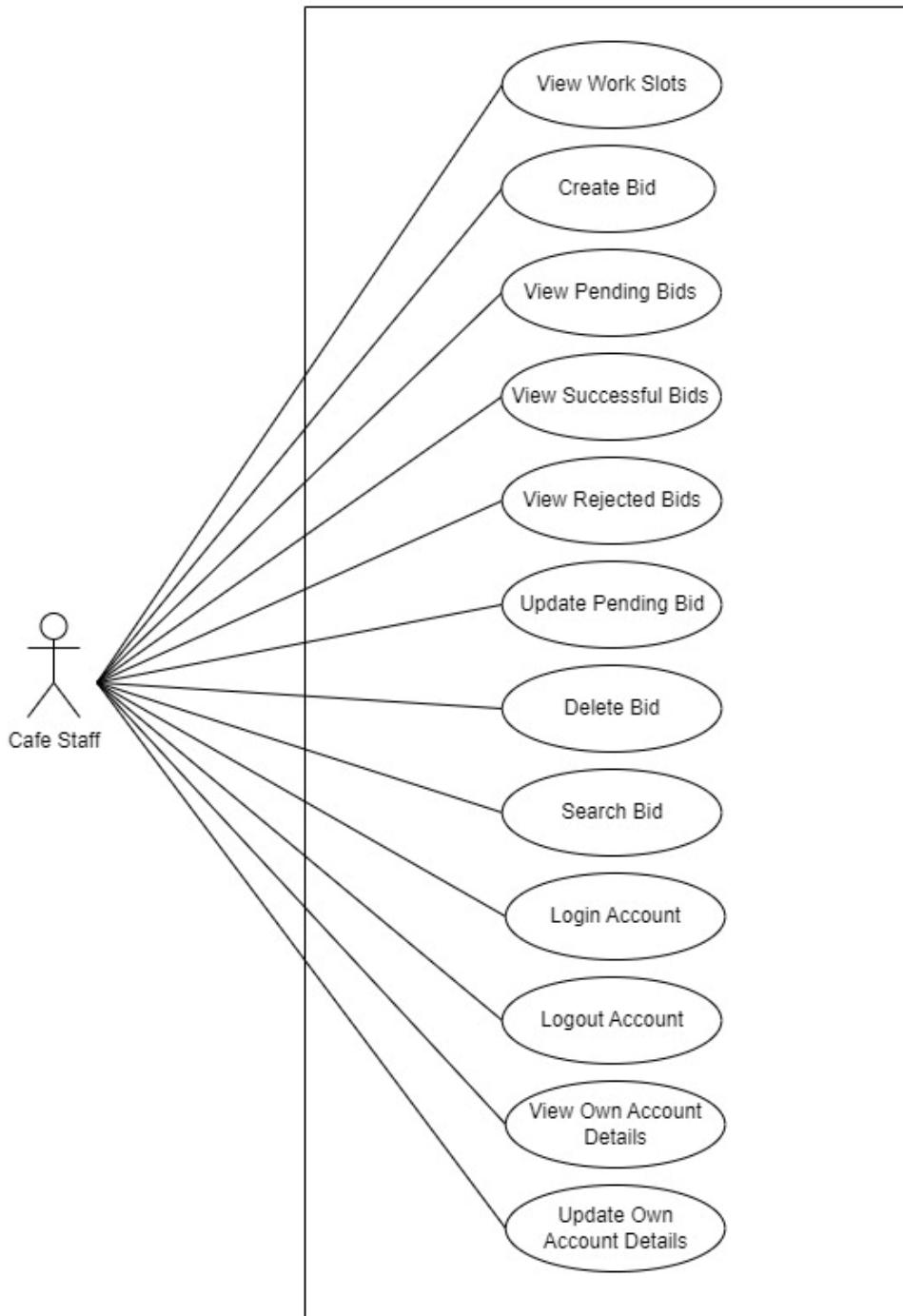
#33 As a cafe staff, I want to delete my bid so that I can remove a bid that is no longer relevant.

#34 As a cafe staff, I want to search my bids so that I can find a specific bid easily.

## Use Case Diagram

Below is the use case diagram related to the user stories and use cases in Sprint 2.

# Cafe Staff Use Case Diagram



## Development Diagrams & Test Cases

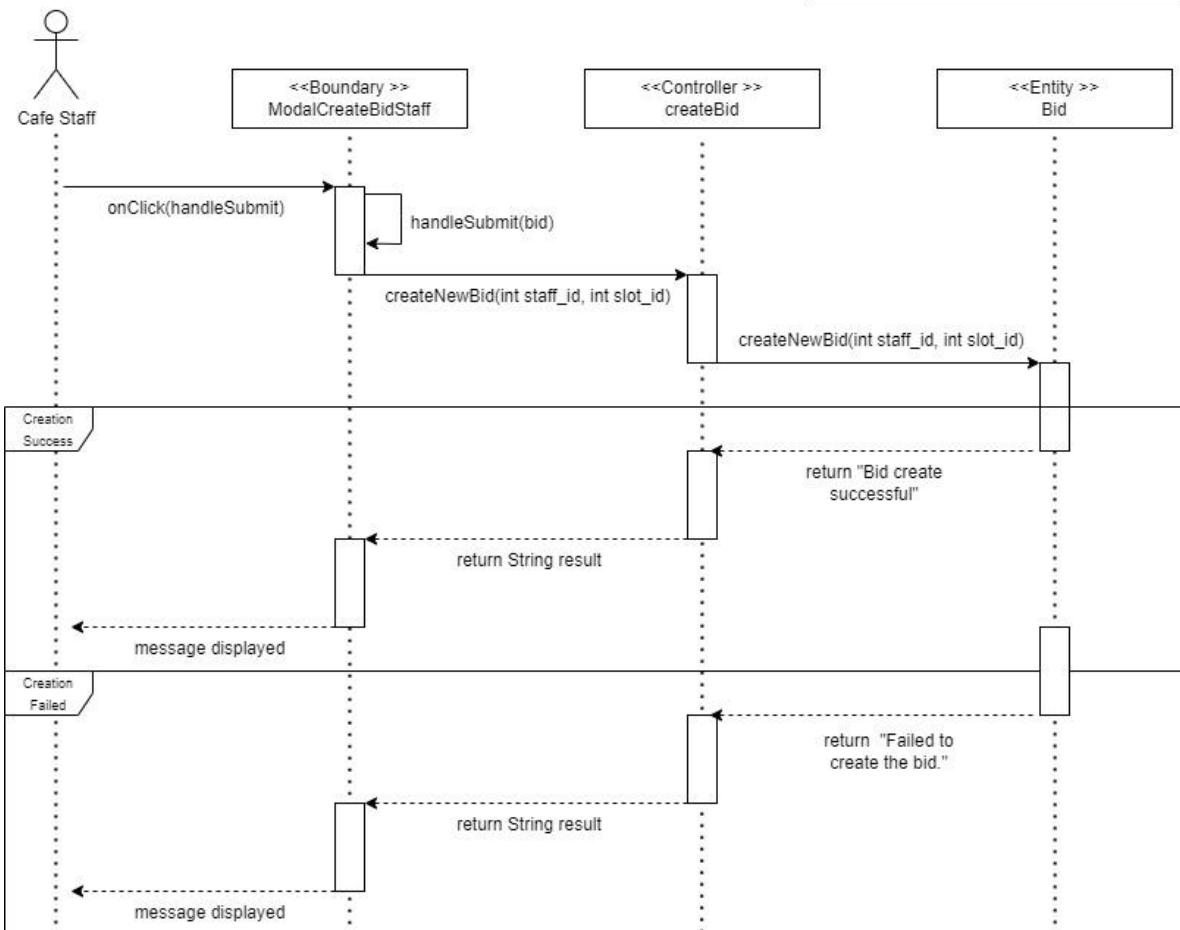
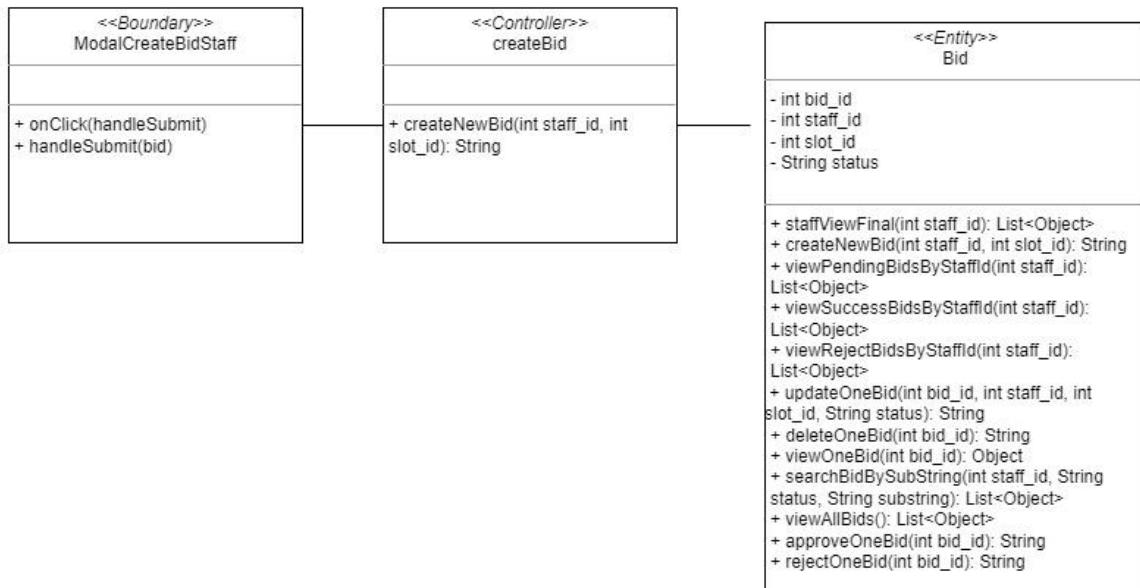
The following sub-header constitutes development diagrams and test cases of Sprint 2 user stories in the following order:

1. Use Case Description
2. BCE Diagram & Sequence Diagram
3. Product Wireframe
4. Test Cases

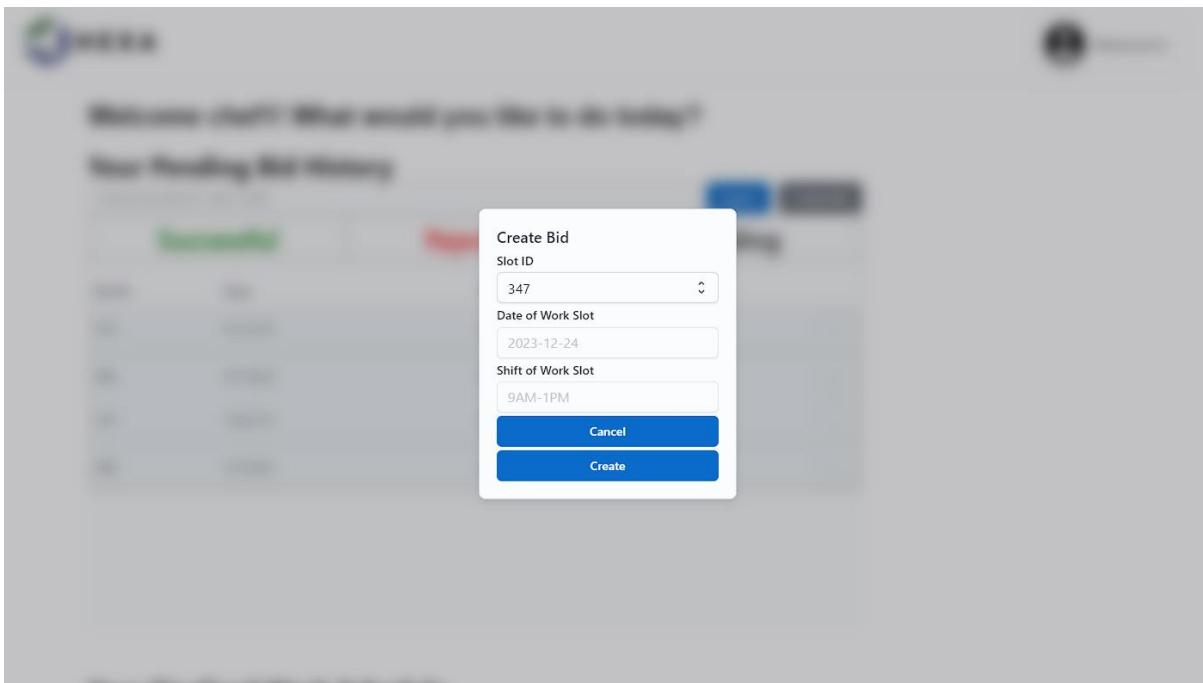
### User Story #28

<b>Name:</b> Create Bid	ID: 28
<b>Stakeholders and goals:</b> Cafe Staff - wants to create a bid for a work slot	
<b>Description:</b> Cafe Staff wants to create a bid for a work slot	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b> Cafe staff must login to the account	
<b>Trigger:</b> Cafe Staff clicks the create bid button	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe staff click the create bid button.</li><li>2. System displays a modal window for cafe staff to choose the work slot.</li><li>3. Cafe staff will choose the following detail.<ul style="list-style-type: none"><li>- Slot ID</li></ul></li><li>4. System will display the work slot information.</li><li>5. Cafe staff click the create button.</li><li>6. System processes the create request.</li><li>7. System will display a window to indicate successful creation.</li><li>8. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> <ol style="list-style-type: none"><li>a: Null Input: The Cafe Staff did not fill in certain fields inside the form, System will prompt an error message "Failed to create the bid".</li></ol>	

## User Story # 28 Cafe Staff creates bid.



## User Story #28 Create Bid

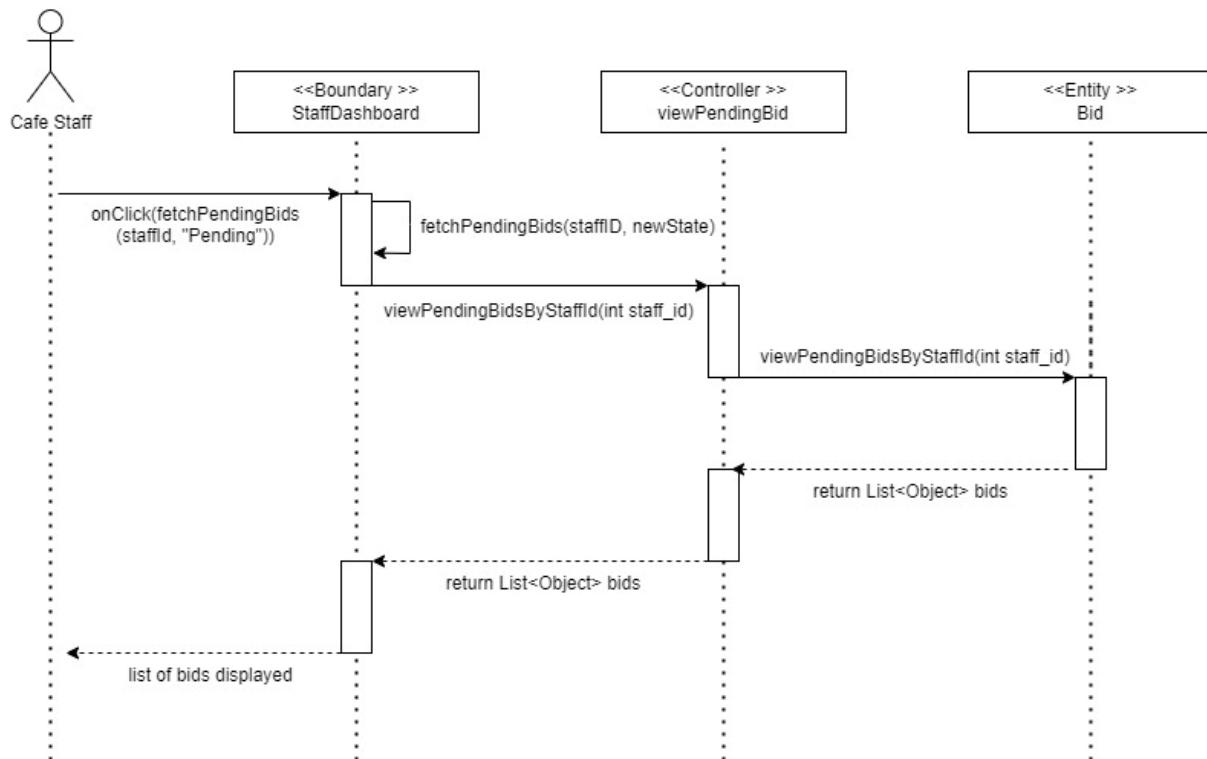
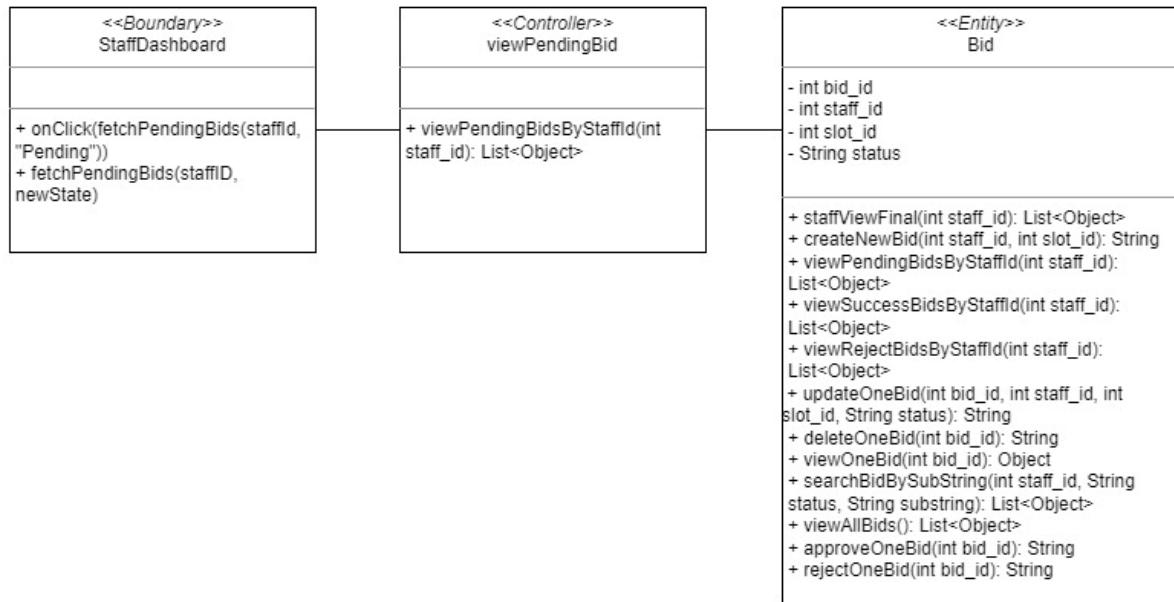


Create Bid (Cafe staff)		User story 28			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC045	Cafe staff tries to create bid for work slot	Click the "Create Bid" button Choose the work slot by "Slot ID" Click the "Create" button	System display message "Bid create successful." "	System display message "Bid create successful." "	PASS
TC046	Cafe staff did not fill in fields inside then form when create bid	Click the "Create Bid" button Did not choose the work slot by "Slot ID" Click the "Create" button	System display message "Failed to create the bid." "	System display message "Failed to create the bid." "	PASS

## User Story #29

<b>Name:</b> View Pending Bids	ID: 29
<b>Stakeholders and goals:</b> Cafe Staff - wants to view a list of pending bids	
<b>Description:</b> Cafe Staff wants to view a list of pending bids	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b> Cafe staff must login to the account	
<b>Trigger:</b> Cafe Staff clicks pending button at Staff Dashboard Page	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Staff clicks the pending button.</li><li>2. System displays the available bids under the pending segment.</li><li>3. Cafe Staff views the pending bids.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 29 Cafe Staff view pending bids.



## User Story #29 View Pending Bids



Welcome chef1! What would you like to do today?

### Your Pending Bid History

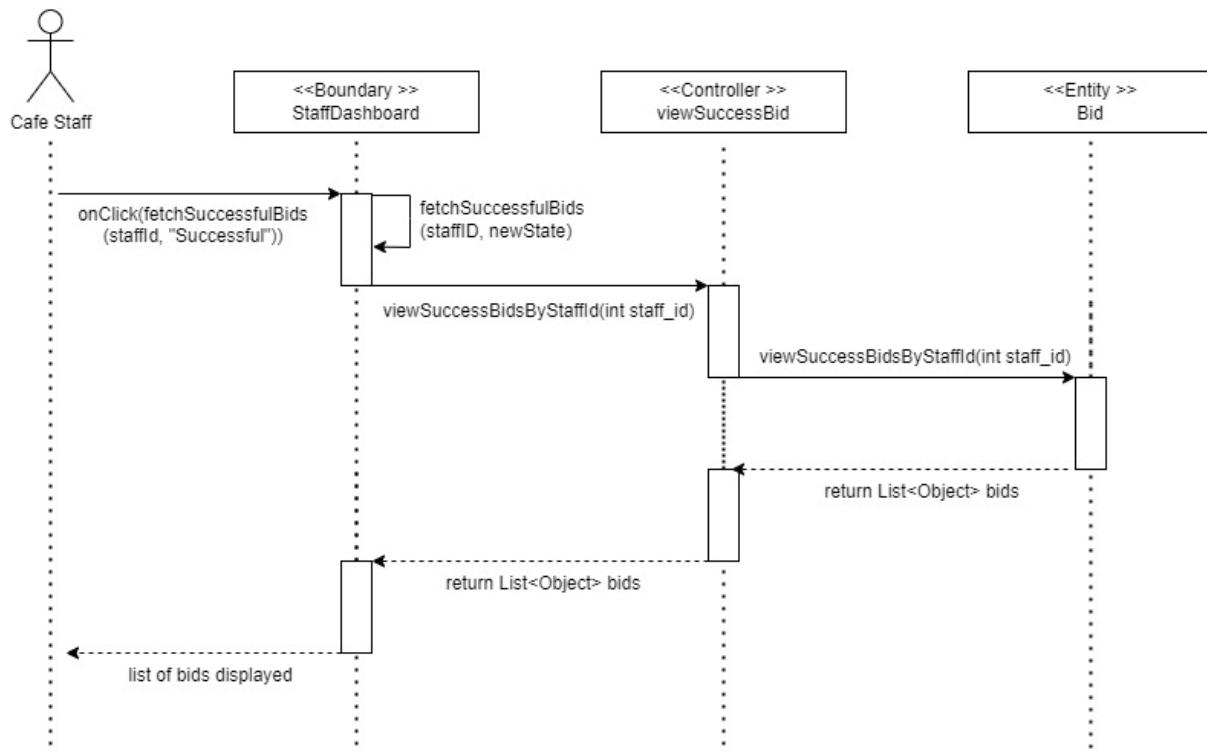
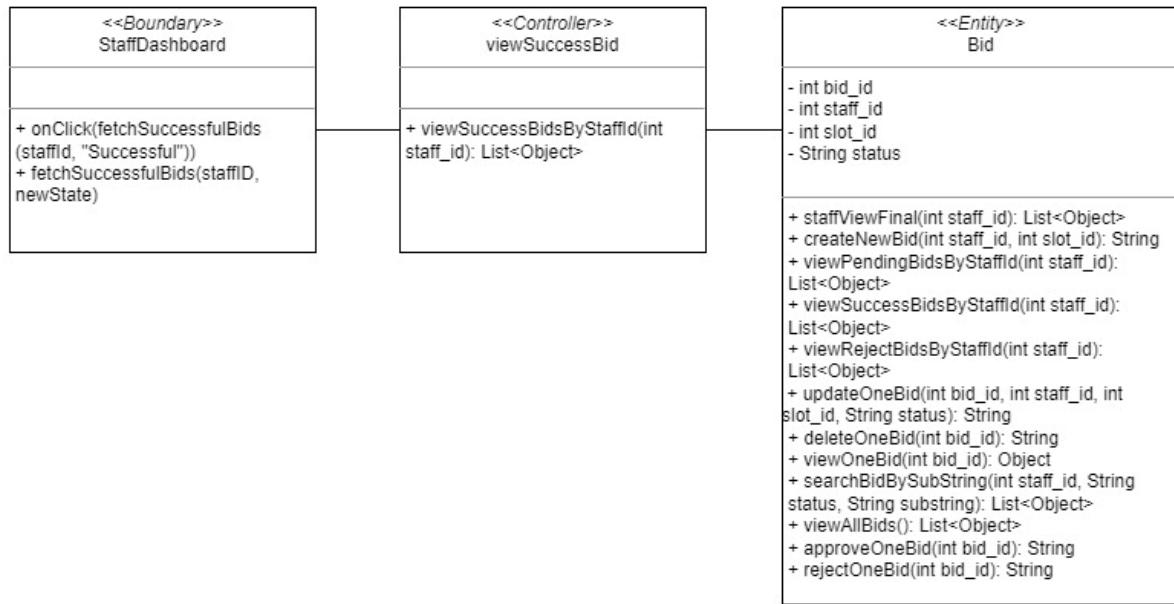
Search by Bid ID, Date, Shift			Search	Create Bid
Successful	Rejected	Pending		
Bid ID	Date	Shift		
243	01/12/23	9AM-1PM	...	
246	21/12/23	9AM-1PM	...	
247	17/01/24	9AM-1PM	...	

View Pending Bids (Cafe staff)		User story 29			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC047	Cafe staff tries to view pending bids	Click the “Pending” button at “StaffDashboard” Page	System display available bids under the pending segment	System display available bids under the pending segment	PASS

## User Story #30

<b>Name:</b> View Successful Bids	ID: 30
<b>Stakeholders and goals:</b> Cafe Staff - wants to view a list of successful bids	
<b>Description:</b> Cafe Staff wants to view a list of successful bids	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b> Cafe staff must login to the account	
<b>Trigger:</b> Cafe Staff clicks “Successful” button at Staff Dashboard Page	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe staff click the successful button.</li><li>2. System displays the available bids under the successful segment.</li><li>3. Cafe staff view the successful bids.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 30 Cafe Staff view successful bids.



## User Story #30 View Successful Bids



Mahamad Su

Welcome chef1! What would you like to do today?

### Your Successful Bid History

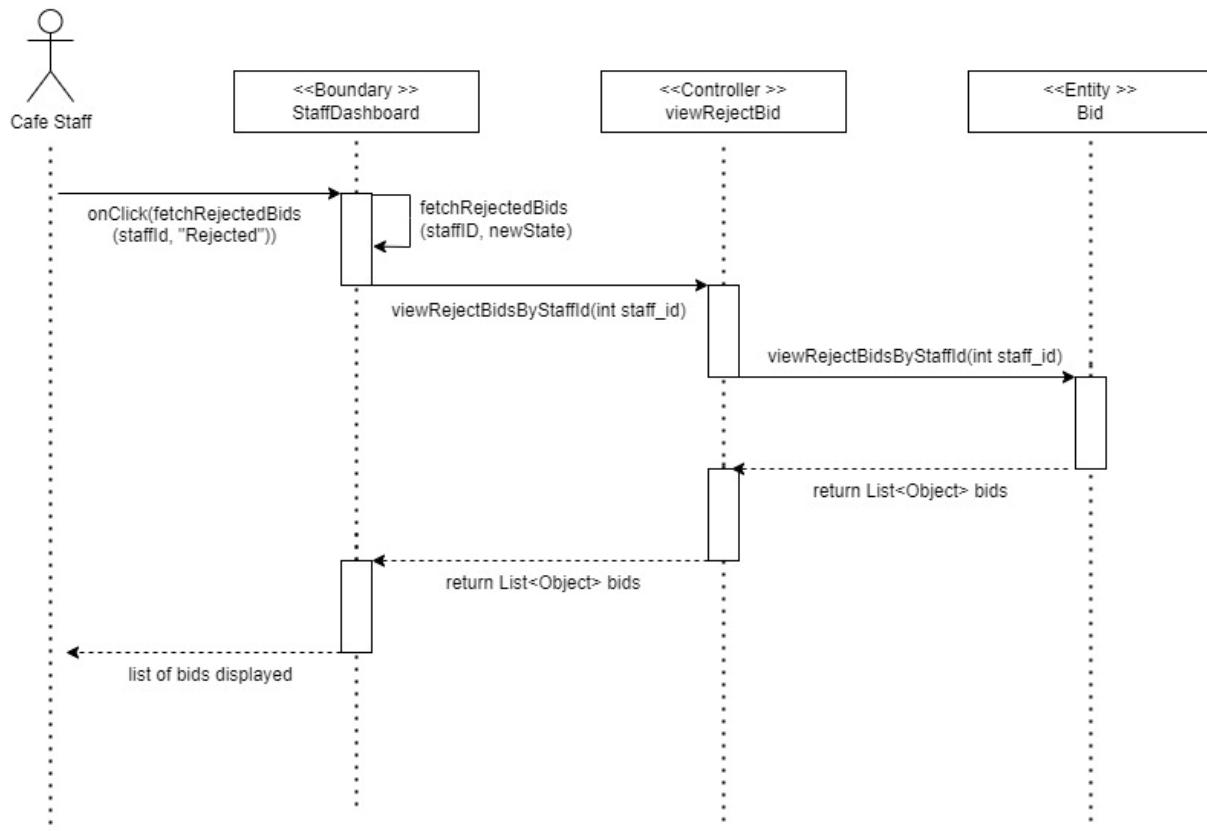
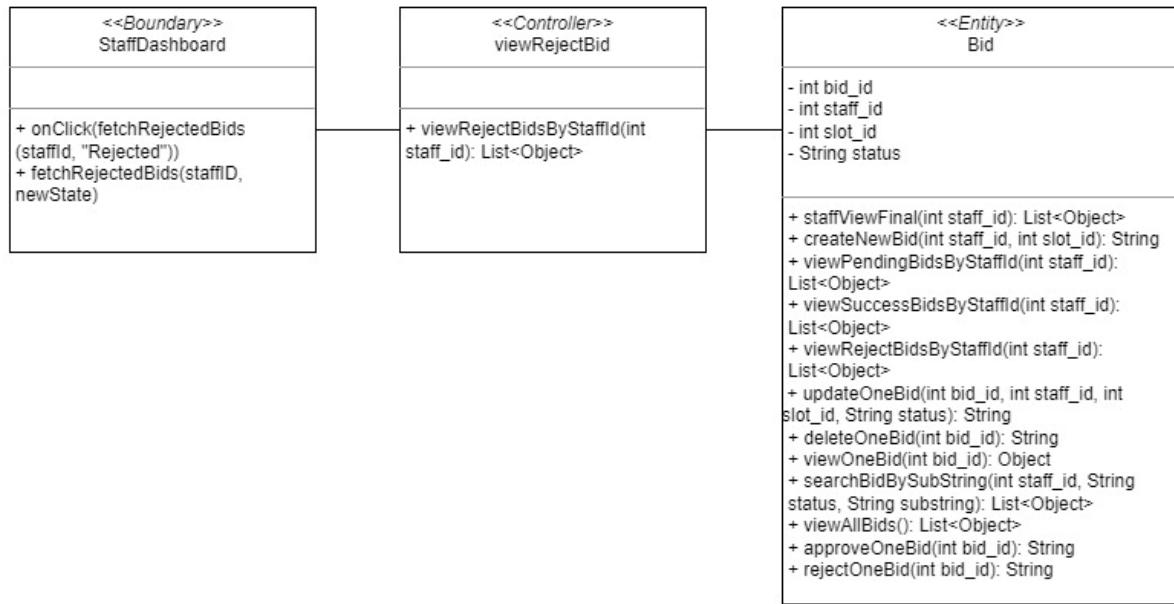
Search by Bid ID, Date, Shift			Search	Create Bid
Successful	Rejected	Pending		
Bid ID	Date	Shift		
244	05/12/23	9AM-1PM		
248	13/12/23	1PM-5PM		

View Successful Bids (Cafe staff)		User story 30			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC048	Cafe staff tries to view successful bids	Click "Successful" button at "StaffDashboard" Page	System display available bids under the successful segment	System display available bids under the successful segment	PASS

## User Story #31

<b>Name:</b> View Rejected Bids	ID: 31
<b>Stakeholders and goals:</b> Cafe Staff - wants to view a list of rejected bids	
<b>Description:</b> Cafe Staff wants to view a list of rejected bids	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b> Cafe staff must login to the account	
<b>Trigger:</b> Cafe Staff clicks “Rejected” button at Staff Dashboard Page	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe staff click the rejected button.</li><li>2. System displays the available bids under the rejected segment.</li><li>3. Cafe staff views the rejected bids</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 31 Cafe Staff view rejected bids.



## User Story #31 View Rejected Bids



Welcome chef1! What would you like to do today?

### Your Rejected Bid History

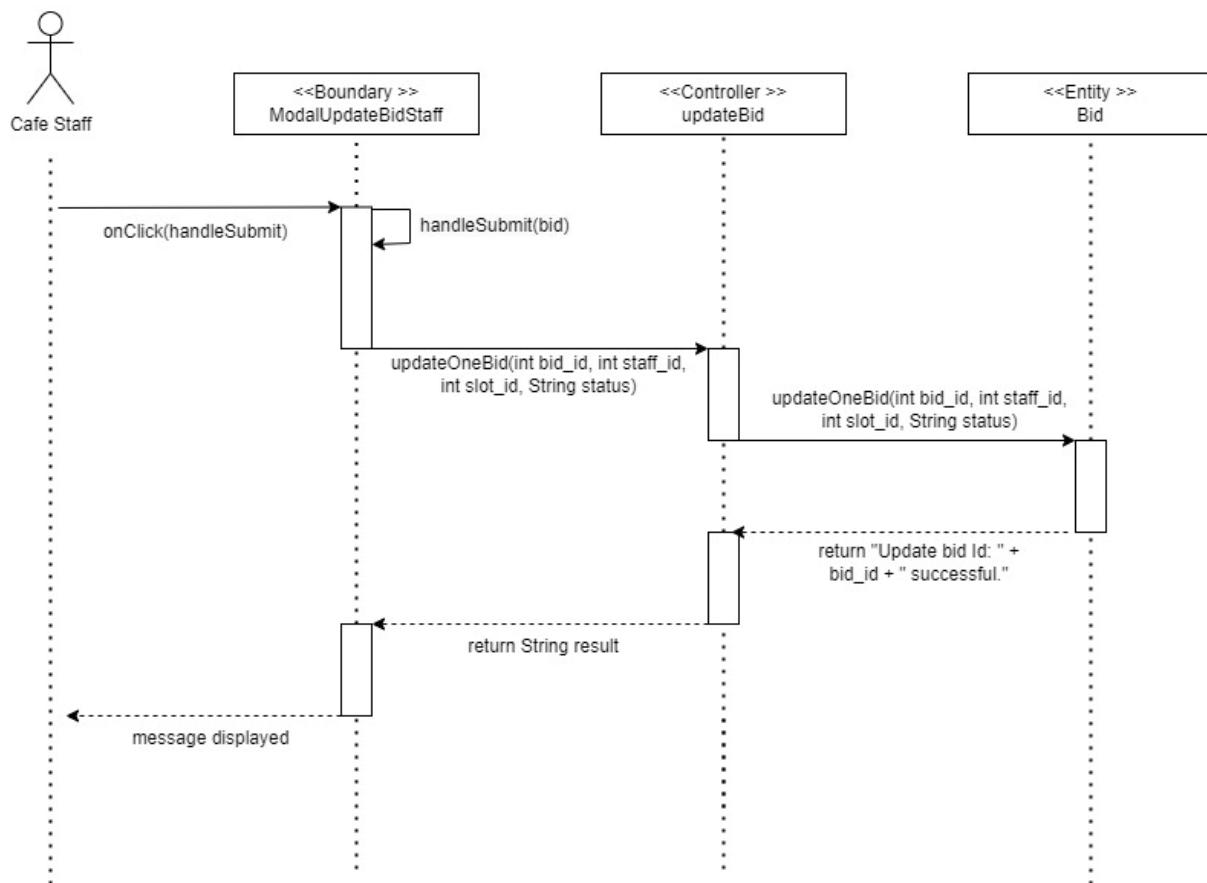
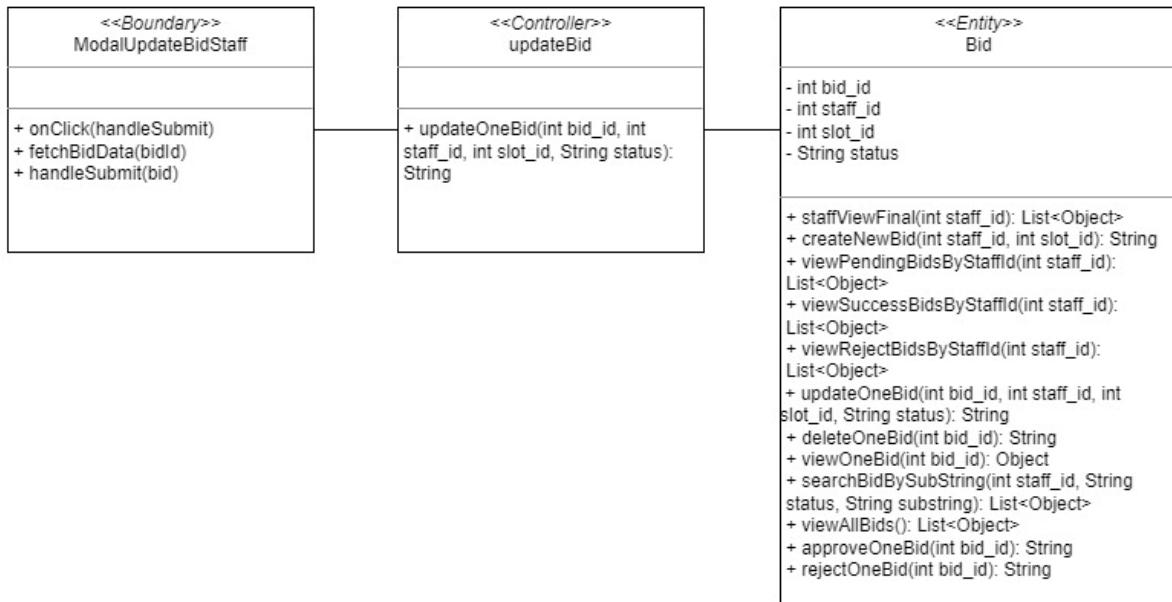
Search by Bid ID, Date, Shift			<button>Search</button>	<button>Create Bid</button>
Successful	Rejected	Pending		
Bid ID	Date	Shift		
245	24/12/23	9AM-1PM		

View Rejected Bids (Cafe staff)		User story 31			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC049	Cafe staff tries to view rejected bids	Click "Rejected" button at "StaffDashboard" Page	System display available bids under the rejected segment	System display available bids under the rejected segment	PASS

## User Story #32

<b>Name:</b> Update Pending Bid	ID: 32
<b>Stakeholders and goals:</b> Cafe Staff - wants to update pending bids	
<b>Description:</b> Cafe Staff wants to update pending bids	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b>	
1. Cafe staff must login to the account 2. Cafe Staff must click the “Pending” button at Staff Dashboard Page 3. Cafe Staff must click the meatball icon of the selected bid	
<b>Trigger:</b> Cafe Staff clicks update option on the pop up menu	
<b>Normal flow:</b>	
1. Cafe Staff clicks the update option on the pop up menu. 2. System displays a modal window with the following details. <ul style="list-style-type: none"><li>- Bid ID</li><li>- Slot ID</li><li>- Date of Work Slot</li><li>- Shift of Work Slot</li></ul> 3. Cafe Staff fills in the details and clicks the “Update” button. 4. System processes the update details. 5. System will display a window to indicate a successful update. 6. End	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 32 Cafe Staff update pending bids.



## User Story #32 Update Pending Bid

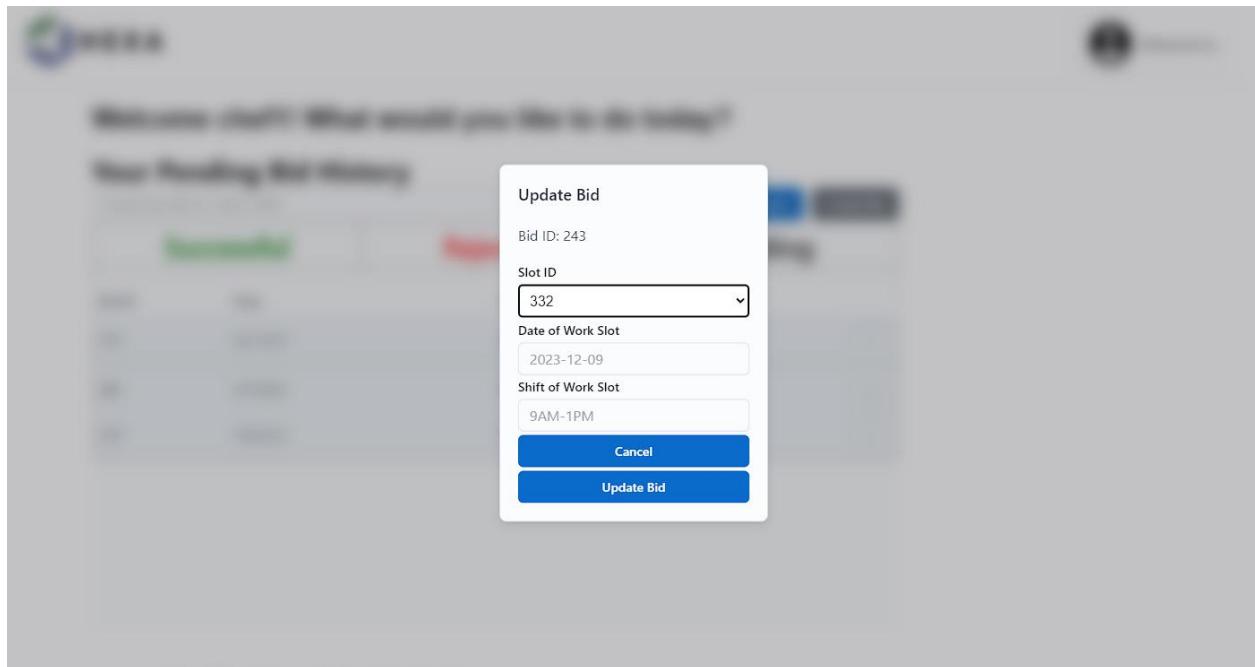


Welcome chef1! What would you like to do today?

### Your Pending Bid History

Your Pending Bid History		
Successful	Rejected	Pending
Bid ID	Date	Shift
243	01/12/23	9AM-1PM
246	21/12/23	9AM-1PM
247	17/01/24	9AM-1PM

A context menu is open over the third row (Bid ID 247), showing options: "Update Bid" and "Delete Bid".

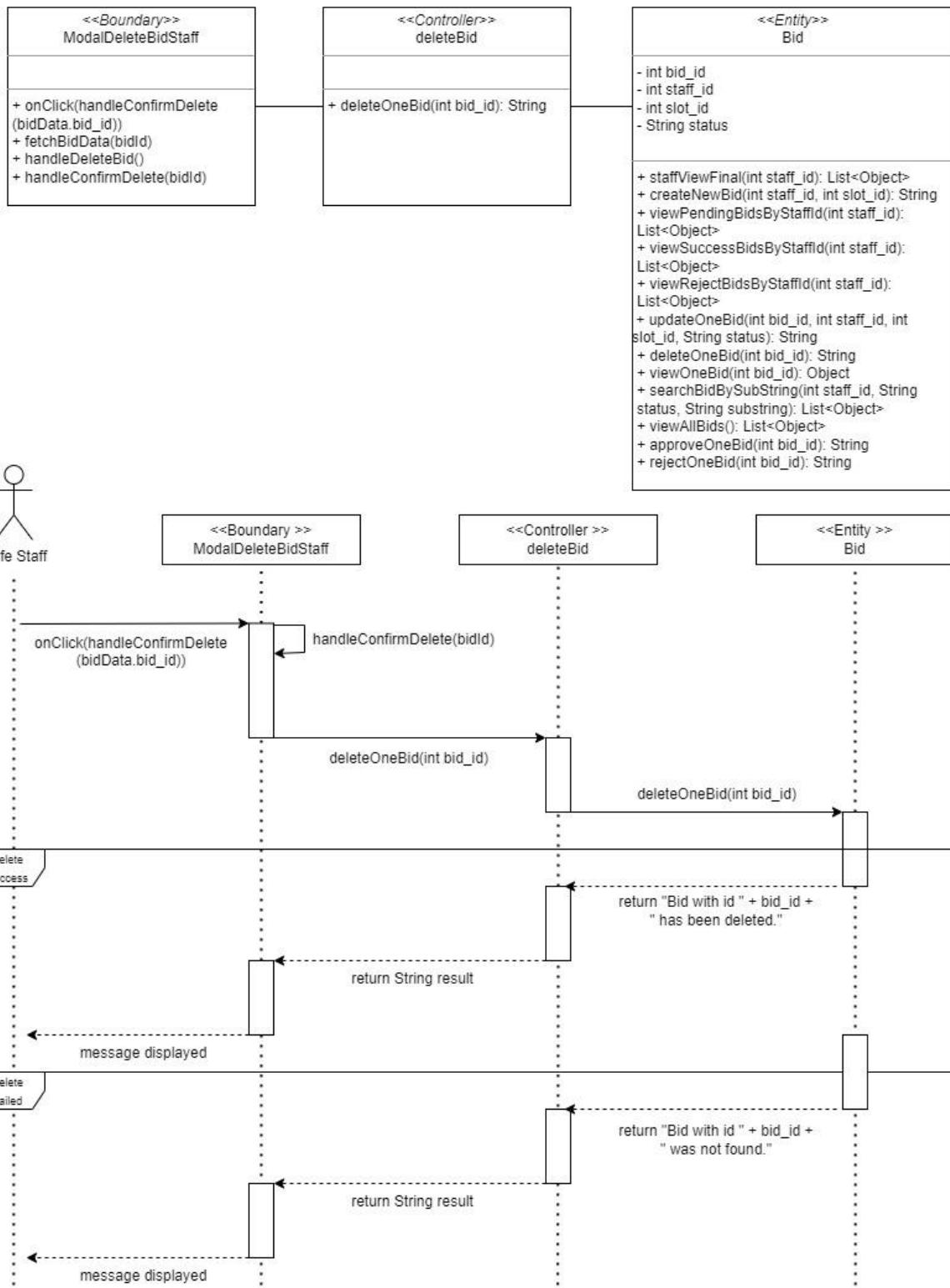


Update Pending Bid (Cafe staff)		User story 32			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC050	Cafe staff tries to update pending bids	Click "Pending" button at "StaffDashboard" Page Click "meatball" icon Click "Update Bid" button Select "Slot ID" and click "Update Bid" button	System display message "Update bid Id: <id> successful."	System display message "Update bid Id: <id> successful."	PASS

## User Story #33

<b>Name:</b> Delete Bid	ID: 33
<b>Stakeholders and goals:</b> Cafe Staff - wants to delete pending bids	
<b>Description:</b> Cafe Staff wants to delete pending bids	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b>	
1. Cafe staff must login to the account 2. Cafe Staff must click the manage bids button at "Staff Dashboard" page 3. Cafe Staff must click the meatball icon of the selected bid	
<b>Trigger:</b> Cafe staff click the delete option on the pop up menu	
<b>Normal flow:</b>	
1. Cafe staff click the delete option on the pop up menu. 2. System displays a modal window with following details: <ul style="list-style-type: none"><li>- Bid ID</li><li>- Date of Work Slot</li><li>- Shift of Work Slot</li></ul> 3. Cafe staff review the details and click the delete button. 4. System pop-up a window to verify the action. 5. Cafe staff clicks "Yes" to confirm the action. 4. System processes the bid to be deleted and displays a window to indicate successful removal. 5. End	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b>	
a: Invalid Bid: The Cafe Owner deletes a invalid bid and the System prompt an error message "Bid with id ## was not found."	

## User Story # 33 Cafe Staff delete bid.



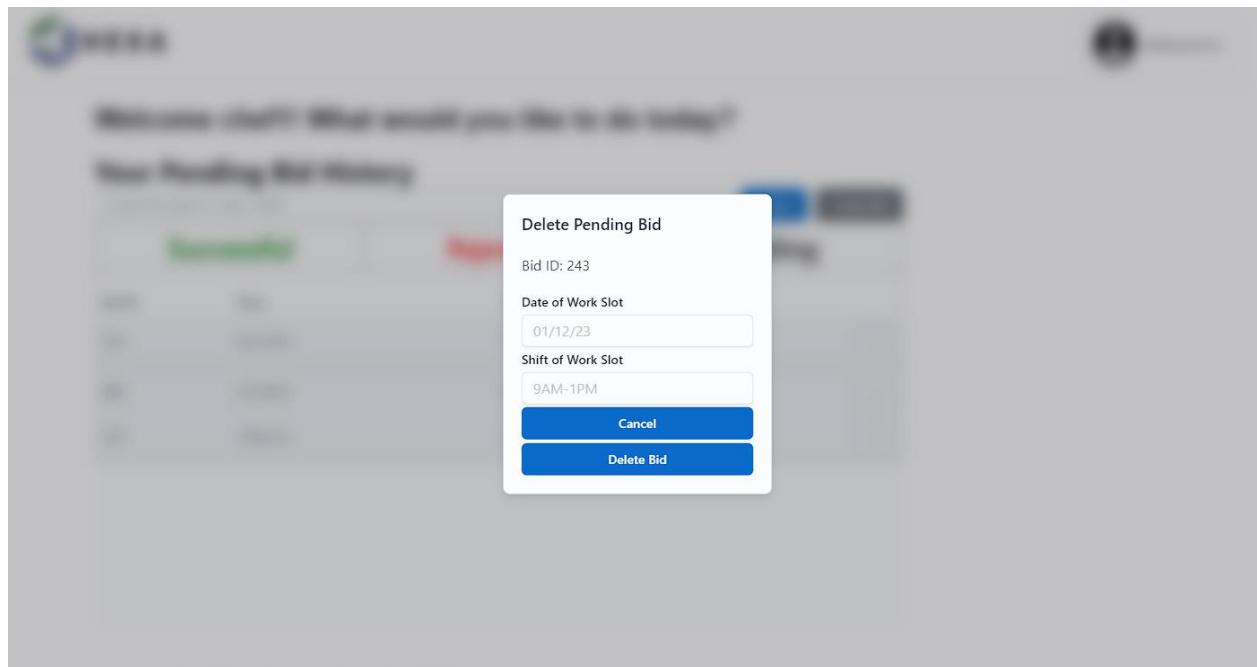
## User Story #33 Delete Bid



Welcome chef1! What would you like to do today?

### Your Pending Bid History

Search by Bid ID, Date, Shift			Search	Create Bid
Successful	Rejected	Pending		
Bid ID	Date	Shift		
243	01/12/23	9AM-1PM	...	
246	21/12/23	9AM-1PM	Update Bid	Delete Bid
247	17/01/24	9AM-1PM	...	

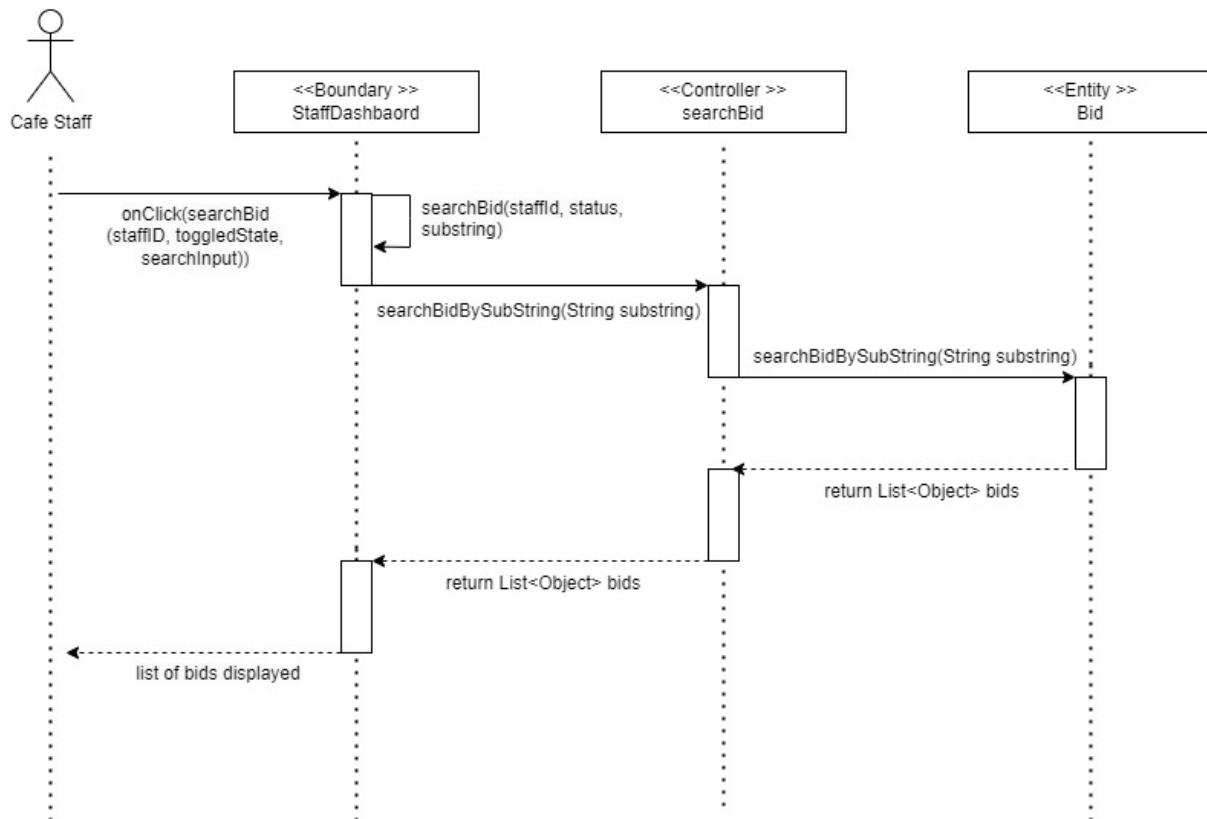
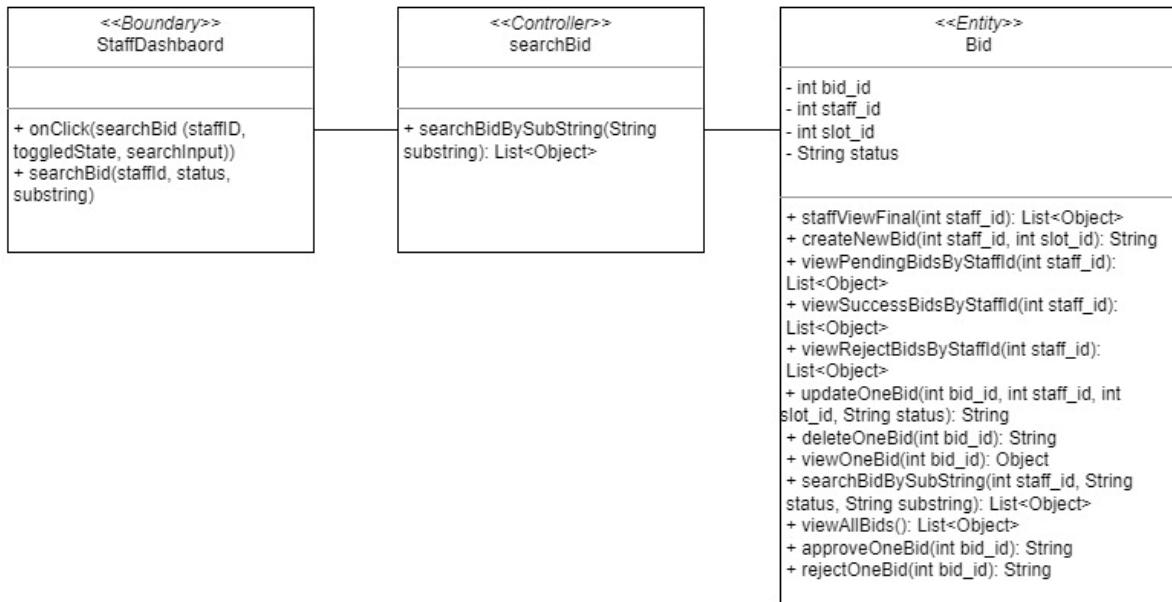


Delete Bid (Cafe staff)		User story 33			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC051	Cafe staff tries to delete pending bids	Click “Pending” button at “StaffDashboard” Page Click “meatball” icon Click “Delete Bid” button	System display message “Bid with id <id>has been deleted.”	System display message “Bid with id <id>has been deleted.”	PASS
TC052	Cafe staff tries to delete invalid pending bids	Click “Pending” button at “StaffDashboard” Page Click “meatball” icon Click “Delete Bid” button for invalid bid	System display error message “Bid with id <id> was not found”	System display error message “Bid with id <id> was not found”	PASS

## User Story #34

<b>Name:</b> Search Bid	ID: 34
<b>Stakeholders and goals:</b> Cafe Staff - wants to search for bids	
<b>Description:</b> Cafe Staff wants to search bids to find specific bids	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b>	
1. Cafe Staff must login to the account 2. Cafe Staff must select the specific bid segment (Rejected/ Successful)	
<b>Trigger:</b> Cafe Staff clicks search button beside the search bar	
<b>Normal flow:</b>	
1. Cafe Staff keys in bid information in the search bar & clicks search button. 2. System searches for the relevant bid information and returns the specific bids. 3. Cafe Staff views the details shown by System 4. End	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 34 Cafe Staff search bid.



## User Story #34 Search Bid



Welcome chef1! What would you like to do today?

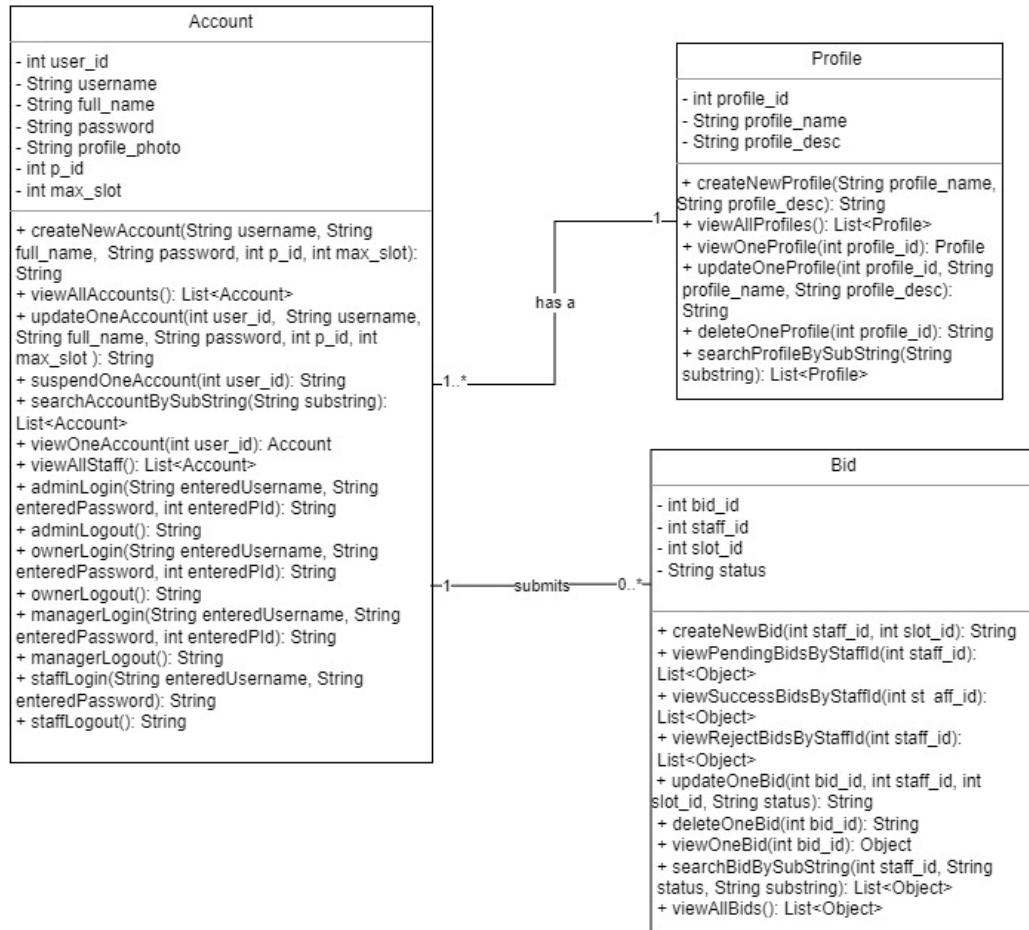
### Your Pending Bid History

Your Pending Bid History		
243		
Successful		Rejected
Bid ID	Date	Shift
243	01/12/23	9AM-1PM

Search Bid (Cafe staff)		User story 34			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC053	Cafe staff tries to search bids to find specific bids	Key in bid information in search bar Click “Search” button	System display relevant bids information	System display relevant bids information	PASS

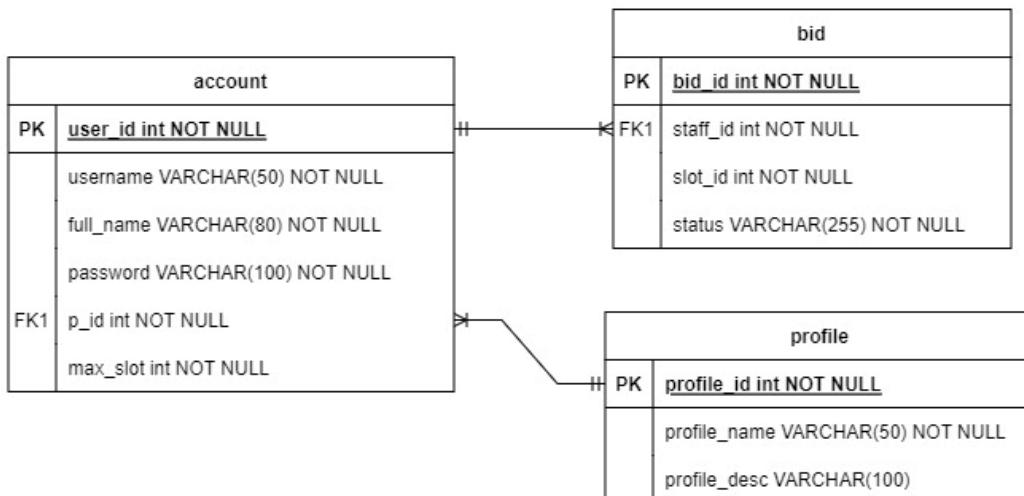
# Class Diagram

SPRINT 2



# Data Persistence Diagram

SPRINT 2



# Taiga Progress

## User Story #28 Create Bid

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #28 As a cafe staff, I want to create a bid for a work slot so that I can work based on my available schedule.</p> <p>[NEW]</p>	NEW			<p>#378 Use Case Diagram</p> <p>#379 Use Case Description</p> <p>#380 BCE Diagram</p> <p>#381 Sequence Diagram</p> <p>#382 Class Diagram</p> <p>#383 Wireframe for Development</p> <p>#384 Back End Development</p> <p>#385 Front End Development</p> <p>#386 Codes Integration</p> <p>#387 Test Plan &amp; Test Cases</p> <p>#388 Documentation Work</p>	

## User Story #29 View Pending Bids

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #29 As a cafe staff, I want to view a list of pending bids so that I can see the bids I have made so far.</p> <p>[NEW]</p>	NEW			<p>#389 Use Case Diagram</p> <p>#391 BCE Diagram</p> <p>#390 Use Case Description</p> <p>#392 Sequence Diagram</p> <p>#393 Class Diagram</p> <p>#394 Wireframe for Development</p> <p>#396 Front End Development</p> <p>#395 Back End Development</p> <p>#397 Codes Integration</p> <p>#398 Test Plan &amp; Test Cases</p> <p>#399 Documentation Work</p>	

## User Story #30 View Successful Bids

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #30 As a cafe staff, I want to view my successful bids so that I know which work slots I have bid on are now part of my work schedule.</p> <p>(N/E) NEW</p>				<p>#400 Use Case Diagram 🕒</p> <p>#402 BCE Diagram 🕒</p> <p>#401 Use Case Description 🕒</p> <p>#403 Sequence Diagram 🕒</p> <p>#404 Class Diagram 🕒</p> <p>#405 Wireframe for Development 🕒</p> <p>#406 Back End Development 🕒</p> <p>#407 Front End Development 🕒</p> <p>#408 Codes Integration 🕒</p> <p>#409 Test Plan &amp; Test Cases 🕒</p> <p>#410 Documentation Work 🕒</p>	

## User Story #31 View Rejected Bids

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #31 As a cafe staff, I want to view my rejected bids so that I know which work slots I have bid on will not be a part of my work schedule.</p> <p>(N/E) NEW</p>				<p>#411 Use Case Diagram 🕒</p> <p>#412 Use Case Description 🕒</p> <p>#413 BCE Diagram 🕒</p> <p>#414 Sequence Diagram 🕒</p> <p>#415 Class Diagram 🕒</p> <p>#416 Wireframe for Development 🕒</p> <p>#417 Back End Development 🕒</p> <p>#418 Front End Development 🕒</p> <p>#419 Codes Integration 🕒</p> <p>#420 Test Plan &amp; Test Cases 🕒</p> <p>#421 Documentation Work 🕒</p>	

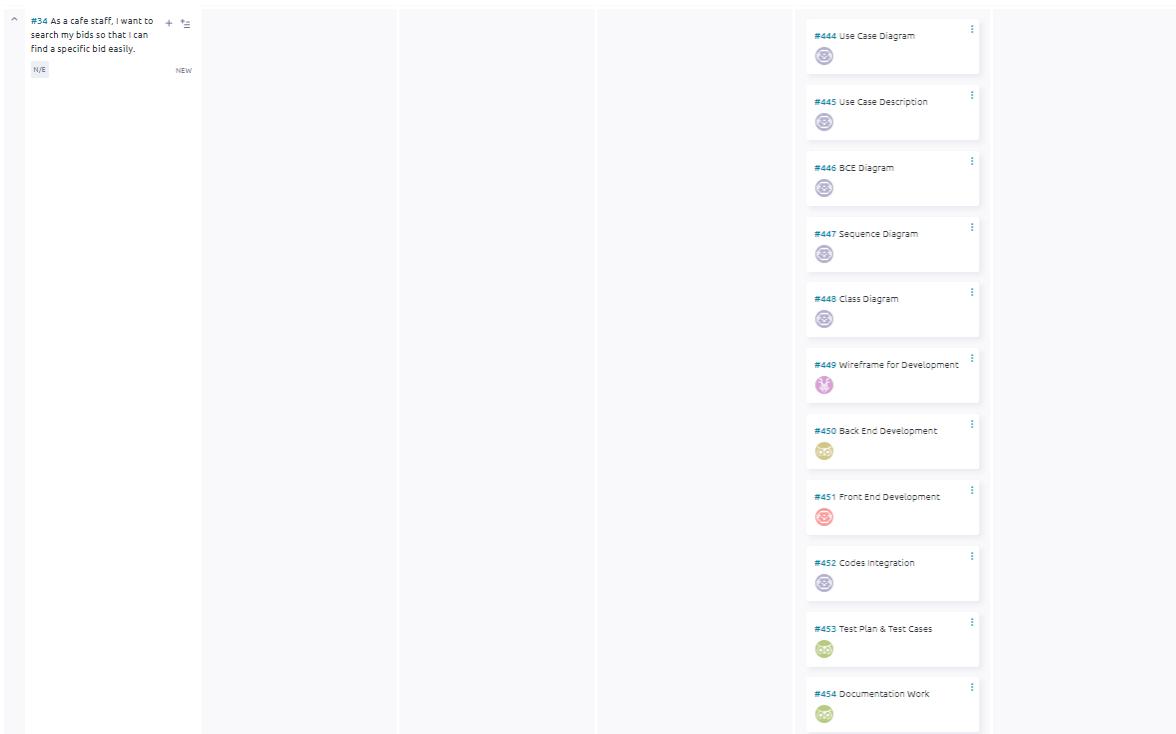
## User Story #32 Update Pending Bid

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>#32 As a cafe staff, I want to update any pending bid that has yet to be approved, so that I can make changes to my bid according to my updated schedule.</p> <p>[NEW]</p>	NEW			<p>#422 Use Case Diagram</p> <p>#423 Use Case Description</p> <p>#424 BCE Diagram</p> <p>#425 Sequence Diagram</p> <p>#426 Class Diagram</p> <p>#427 Wireframe for Development</p> <p>#428 Back End Development</p> <p>#429 Front End Development</p> <p>#430 Codes Integration</p> <p>#431 Test Plan &amp; Test Cases</p> <p>#432 Documentation Work</p>	

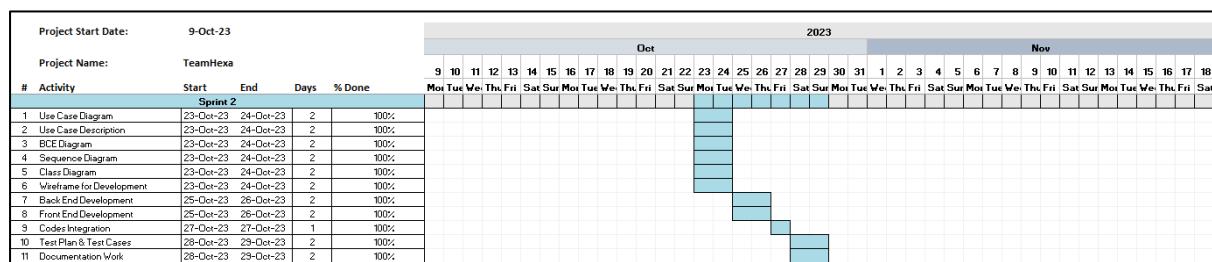
## User Story #33 Delete Bid

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>#33 As a cafe staff, I want to delete my bid so that I can remove a bid that is no longer relevant.</p> <p>[NEW]</p>	NEW			<p>#433 Use Case Diagram</p> <p>#434 Use Case Description</p> <p>#435 BCE Diagram</p> <p>#436 Sequence Diagram</p> <p>#437 Class Diagram</p> <p>#438 Wireframe for Development</p> <p>#439 Back End Development</p> <p>#440 Front End Development</p> <p>#441 Codes Integration</p> <p>#442 Test Plan &amp; Test Cases</p> <p>#443 Documentation Work</p>	

## User Story #34 Search Bid



## Gantt Chart



# Meeting Number 6

## Meeting Details

Project Name	Cafe Management
Current Sprint Status	Sprint 2 Review
Meeting Number	6
Date & Time	29-10-2023, 2100-2300
Location	Discord Online
Meeting Objective	Review on completed sprint 2 product
Attendance	All Members

## Discussion Topic

No.	Meeting Agenda
1.	<b>Review Sprint 2 Product &amp; Development</b> <ul style="list-style-type: none"><li>- Final Test Session on Sprint 2 Product to ensure codes are working well.</li><li>- Final Check on Completed Documentation<ul style="list-style-type: none"><li>o Use Case Diagram</li><li>o Use Case Description</li><li>o BCE Diagram</li><li>o Sequence Diagram</li><li>o Class Diagram</li><li>o Wireframe for Development</li><li>o Test Plan &amp; Test Cases</li></ul></li><li>- Final Check on Sprint 2 Codes<ul style="list-style-type: none"><li>o Back End Development</li><li>o Front End Development</li><li>o Codes Integration &amp; Database</li></ul></li><li>- Provide Sprint 2 Update on Taiga</li><li>- Finalize Gantt Chart for respective sprint</li></ul>

## Team Organization

1. Documentation Team: Lee Kuok Wei & Ben Lee
2. Front-End Team: Cressensia & Jim Low
3. Back-End Team: Zhang Boyu & Tan Jing Zhi

# Sprint 3

## Meeting Number 7

### Meeting Details

Project Name	Cafe Management
Current Sprint Status	Sprint 3 Commencement
Meeting Number	7
Date & Time	30-10-2023, 1000-1200
Location	SIM Block A
Meeting Objective	Discuss Requirements for Sprint 3
Attendance	All Members

### Discussion Topics

No.	Meeting Agenda
1.	<b>Discussion on Sprint 3 User Flow for User Stories</b> <ul style="list-style-type: none"><li>- Use Cases of Café Owner are selected for Sprint 3 Development.</li><li>- General visualisation of user flow for wireframe creation.</li></ul>
2.	<b>Commenced Development on Sprint 3 Backlog Items.</b> <ul style="list-style-type: none"><li>- Documentation Team starts Development Diagrams.</li><li>- Cressensia comes up with Wireframe.</li><li>- Back End &amp; Front End start coding based on agreed standard.</li><li>- Boyu handles Integration Work.</li><li>- Documentation Team conducts test plan and test cases.</li></ul>

### Deliverables

No.	Tasks By Next Meeting (05-11-2023)	Execution Members
1.	Sprint 3 Item: Development Diagrams. <ul style="list-style-type: none"><li>- Use Case Diagram</li><li>- Use Case Description</li><li>- BCE Diagram</li><li>- Sequence Diagram</li></ul>	Documentation Team
2.	Sprint 3 Item: Wireframe.	Cressensia
3.	Sprint 3 Item: Back End Development.	Back-End Team
4.	Sprint 3 Item: Front End Development.	Front-End Team
5.	Sprint 3 Item: Class Diagram.	Zhang Boyu
6.	Sprint 3 Item: Codes Integration & Database	Zhang Boyu
7.	Sprint 3 Item: Complete Testing.	Tan Jing Zhi
8.	Sprint 3 Item: Compile Sprint Documentation.	Documentation Team

### Team Organization

1. Documentation Team: Lee Kuok Wei & Ben Lee
2. Front-End Team: Cressensia & Jim Low
3. Back-End Team: Zhang Boyu & Tan Jing Zhi

## User Stories

#39 As a cafe owner, I want to create work slots so that the cafe staff can bid for the work slot.

#40 As a cafe owner, I want to view work slots so that I can have an overview of the created work slots.

#41 As a cafe owner, I want to update work slots so that I can make changes to the work slot.

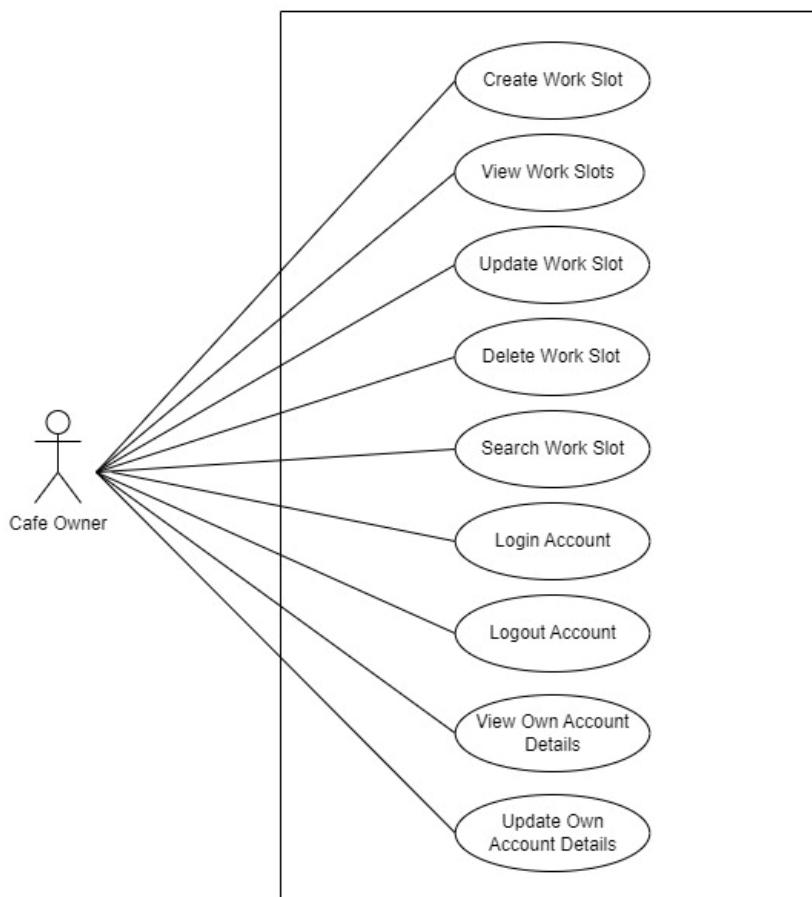
#42 As a cafe owner, I want to delete work slots so that I can make changes to the work schedule.

#43 As a cafe owner, I want to search for work slots so that I can find specific work slots in a week.

## Use Case Diagram

Below is the use case diagram related to the user stories and use cases in Sprint 3.

## Cafe Owner Use Case Diagram



# Development Diagrams & Test Cases

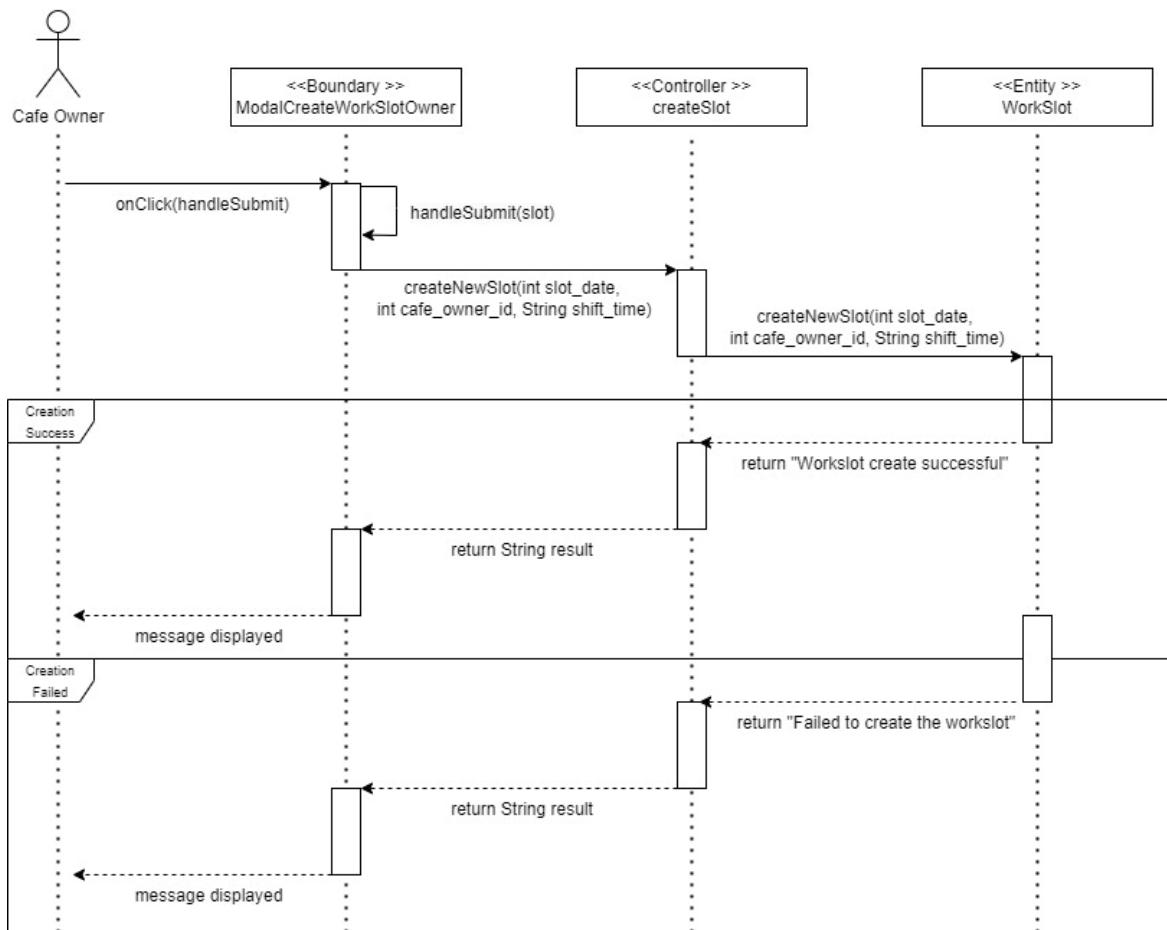
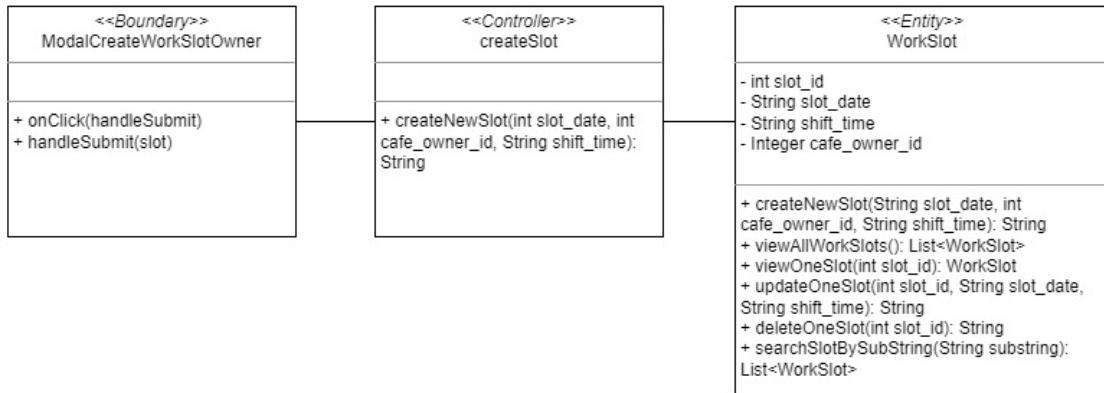
The following sub-header constitutes development diagrams and test cases of Sprint 3 user stories in the following order:

1. Use Case Description
2. BCE Diagram & Sequence Diagram
3. Product Wireframe
4. Test Cases

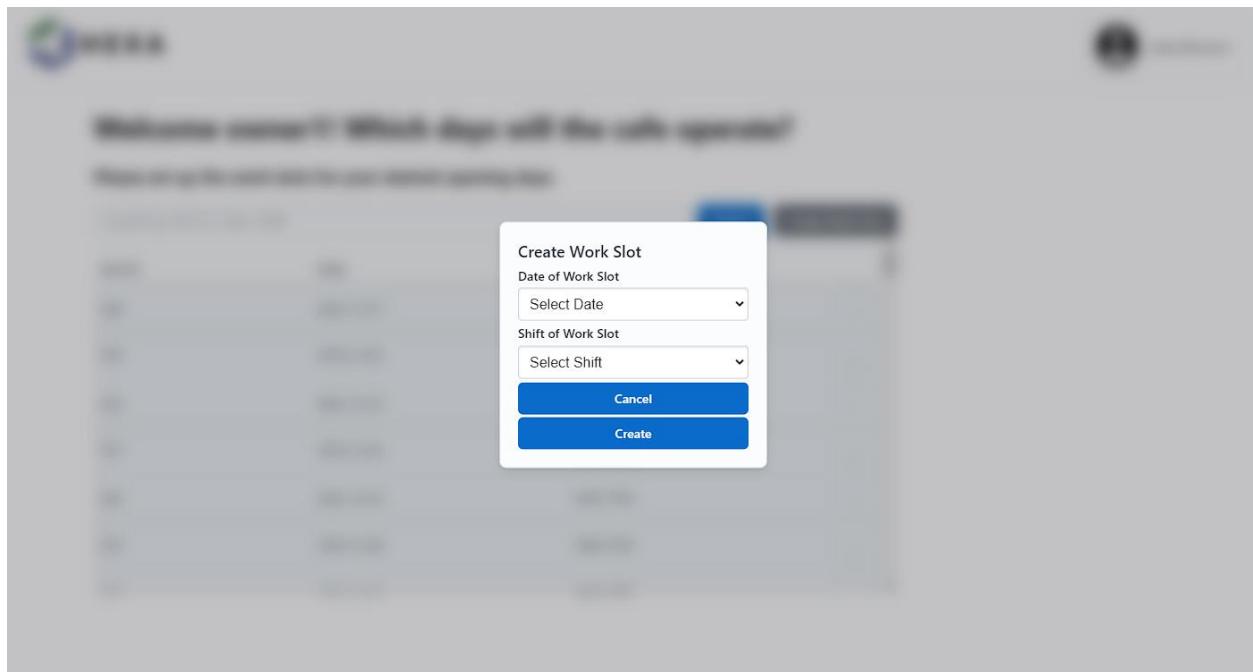
## User Story #39

<b>Name:</b> Create Work Slot	ID: 39
<b>Stakeholders and goals:</b> Cafe Owner - wants to create work slots	
<b>Description:</b> Cafe Owner wants to create work slots so that staff can bid for work slots	
<b>Actors:</b> Cafe Owner	
<b>Precondition:</b> Cafe Owner must login to the account	
<b>Trigger:</b> Cafe Owner clicks the create work slot button	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Owner clicks the create work slot button</li><li>2. System displays a window for the Cafe Owner to fill in the details.</li><li>3. The Cafe Owner fills in the following details.<ul style="list-style-type: none"><li>- Date</li><li>- Shift</li></ul></li><li>4. The Cafe Owner clicks the “Create” button.</li><li>5. System processes the create request and display window to indicate successful creation.</li><li>6. System redirects Cafe Owner to the “OwnerDashboard” page.</li><li>7. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> <ol style="list-style-type: none"><li>a: Null Input: The Cafe Owner did not fill in certain fields inside the form, System will prompt an error message “Failed to create the workslot”.</li></ol>	

## User Story # 39 Cafe Owner create work slot.



## User Story #39 Create Work Slot

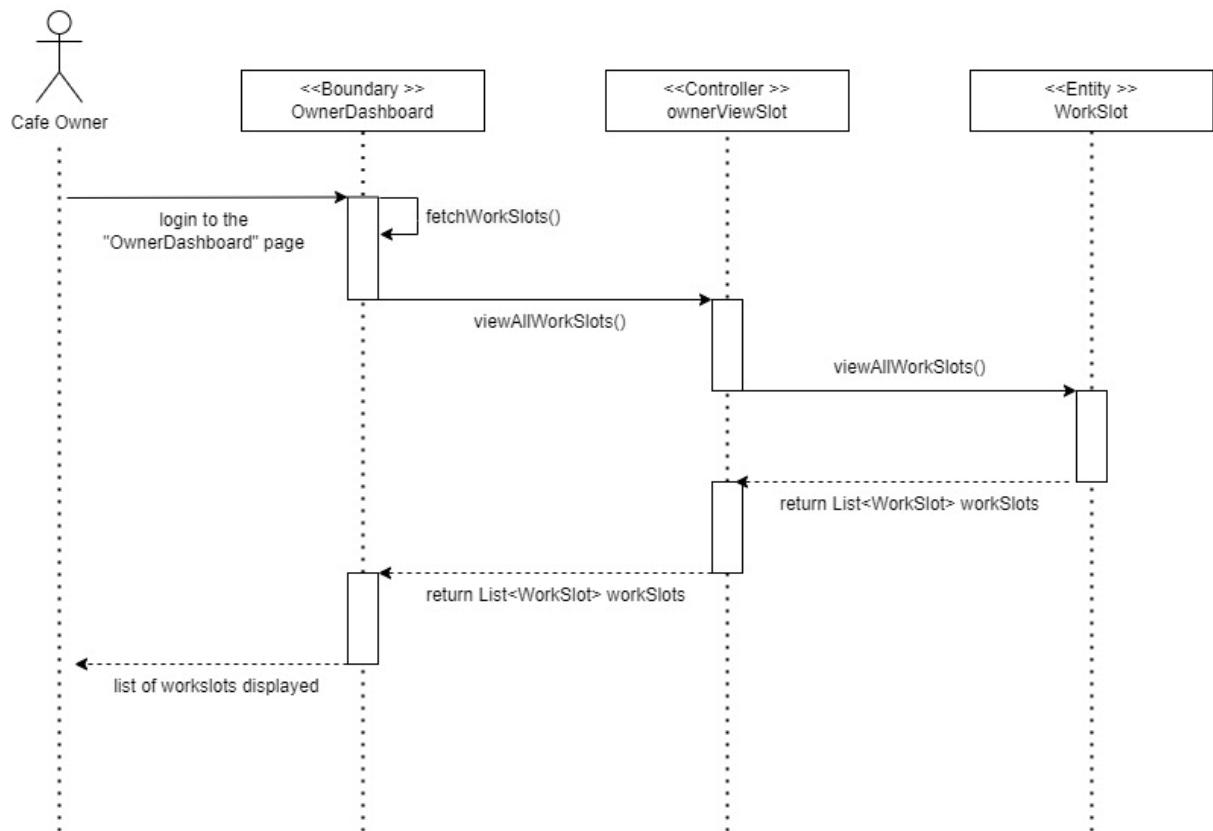
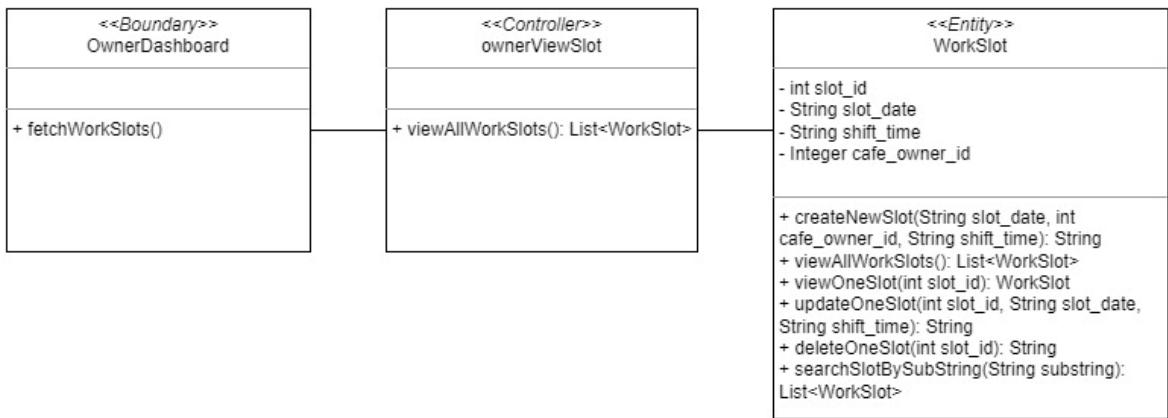


Create Work Slot (Cafe owner)		User story 39			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC054	Cafe owner tries to create work slots	Click the "Create Work Slot" button Fill in details (Date, Shift) Click "Create" button	System display message "Work slot create successfully."	System display message "Work slot create successfully."	PASS
TC055	Cafe owner did no select data or shift when create work slot	Click the "Create Work Slot" button Did not fill in details (Date, Shift) Click "Create" button	System display error message "Failed to create the work slot."	System display error message "Failed to create the work slot."	PASS

## User Story #40

<b>Name:</b> View Work Slots	ID: 40
<b>Stakeholders and goals:</b> Cafe Owner - wants to view work slots	
<b>Description:</b> Cafe Owner wants to view current work slots created	
<b>Actors:</b> Cafe Owner	
<b>Precondition:</b> None	
<b>Trigger:</b> Cafe Owner clicks login button at login page	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>Upon Successful Login, System redirect Cafe Owner to “OwnerDashboard” page with the following details:<ul style="list-style-type: none"><li>- Slot ID</li><li>- Date</li><li>- Shift</li></ul></li><li>The Cafe Owner views the work slots.</li><li>End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 40 Cafe Owner view work slots.



## User Story #40 View Work Slots



### Welcome owner1! Which days will the cafe operate?

Please set up the work slots for your desired opening days.

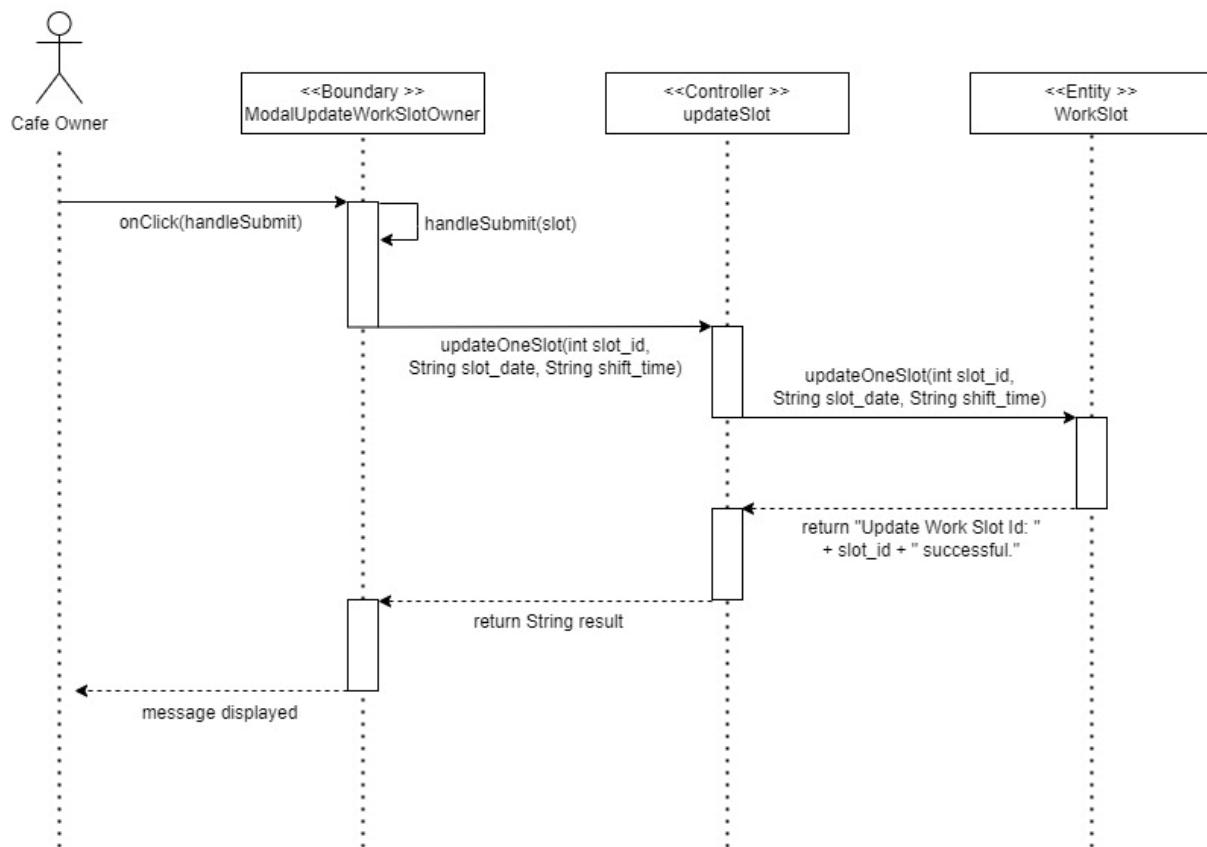
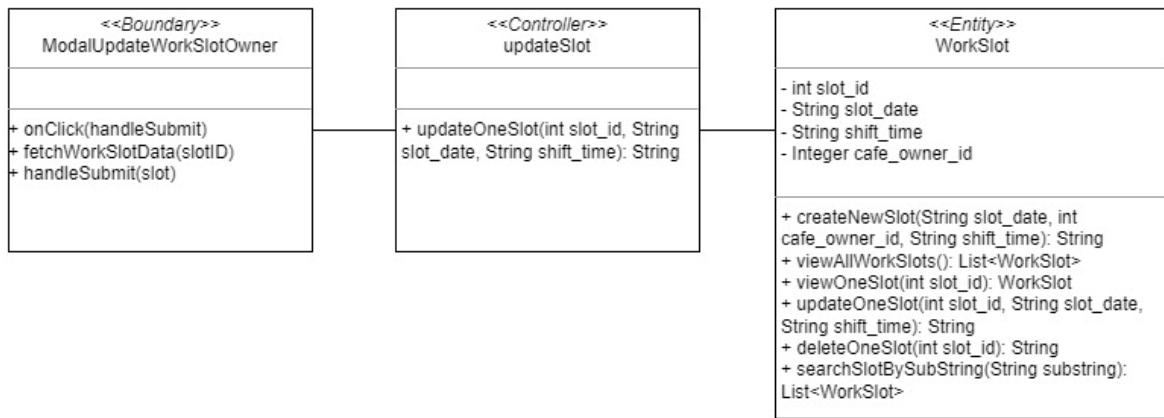
Search by Slot ID, Date, Shift			Search	Create Work Slot
Slot ID	Date	Shift		
324	2023-12-01	9AM-1PM	...	
325	2023-12-02	9AM-1PM	...	
326	2023-12-03	9AM-1PM	...	
327	2023-12-04	9AM-1PM	...	
328	2023-12-05	9AM-1PM	...	
329	2023-12-06	9AM-1PM	...	
330	2023-12-07	9AM-1PM	...	

View Work Slots (Cafe owner)		User story 40			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC056	Cafe owner tries to view work slots	Click the “Login” button	System display available work slots under that cafe owner	System display available work slots under that cafe owner	PASS

## User Story #41

<b>Name:</b> Update Work Slot	ID: 41
<b>Stakeholders and goals:</b> Cafe Owner - wants to update a work slot	
<b>Description:</b> Cafe Owner can update a work slot to make changes to the work slot	
<b>Actors:</b> Cafe Owner	
<b>Precondition:</b>	
1. Cafe Owner must login to the account 2. Cafe Owner must click on the Meatball Icon beside the work slot	
<b>Trigger:</b> Cafe Owner clicks on the “Update Work Slot” button on the popup menu	
<b>Normal flow:</b>	
1. Cafe Owner clicks on the “Update Work Slot” button on the popup menu. 2. System will display a modal window with the following details. <ul style="list-style-type: none"><li>- Date</li><li>- Shift</li></ul>	
3. The Cafe Owner fills in the details and clicks the “update” button. 4. System processes the update details and displays a window that indicates successful update. 5. System redirects Cafe Owner to the “OwnerDashboard” page. 6. End.	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 41 Cafe Owner update work slot.



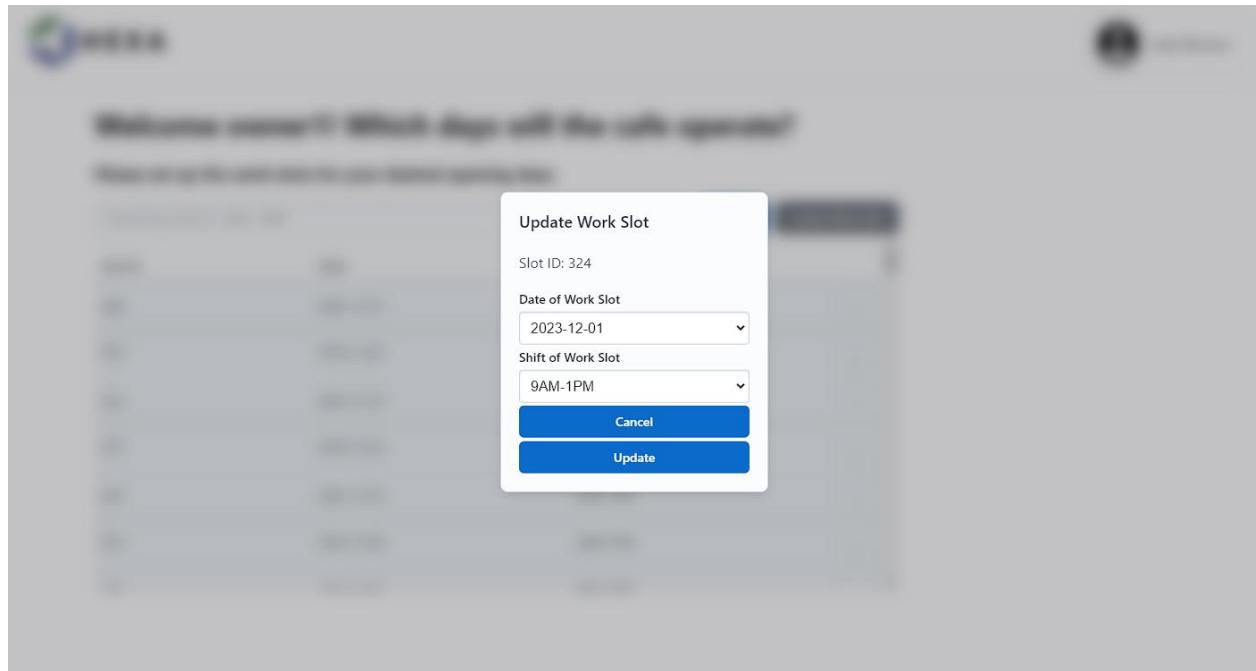
## User Story #41 Update Work Slot



### Welcome owner1! Which days will the cafe operate?

Please set up the work slots for your desired opening days.

Slot ID	Date	Shift	
324	2023-12-01	9AM-1PM	...
325	2023-12-02	9AM-1PM	Update Work Slot Delete Work Slot ...
326	2023-12-03	9AM-1PM	...
327	2023-12-04	9AM-1PM	...
328	2023-12-05	9AM-1PM	...
329	2023-12-06	9AM-1PM	...
330	2023-12-07	9AM-1PM	...

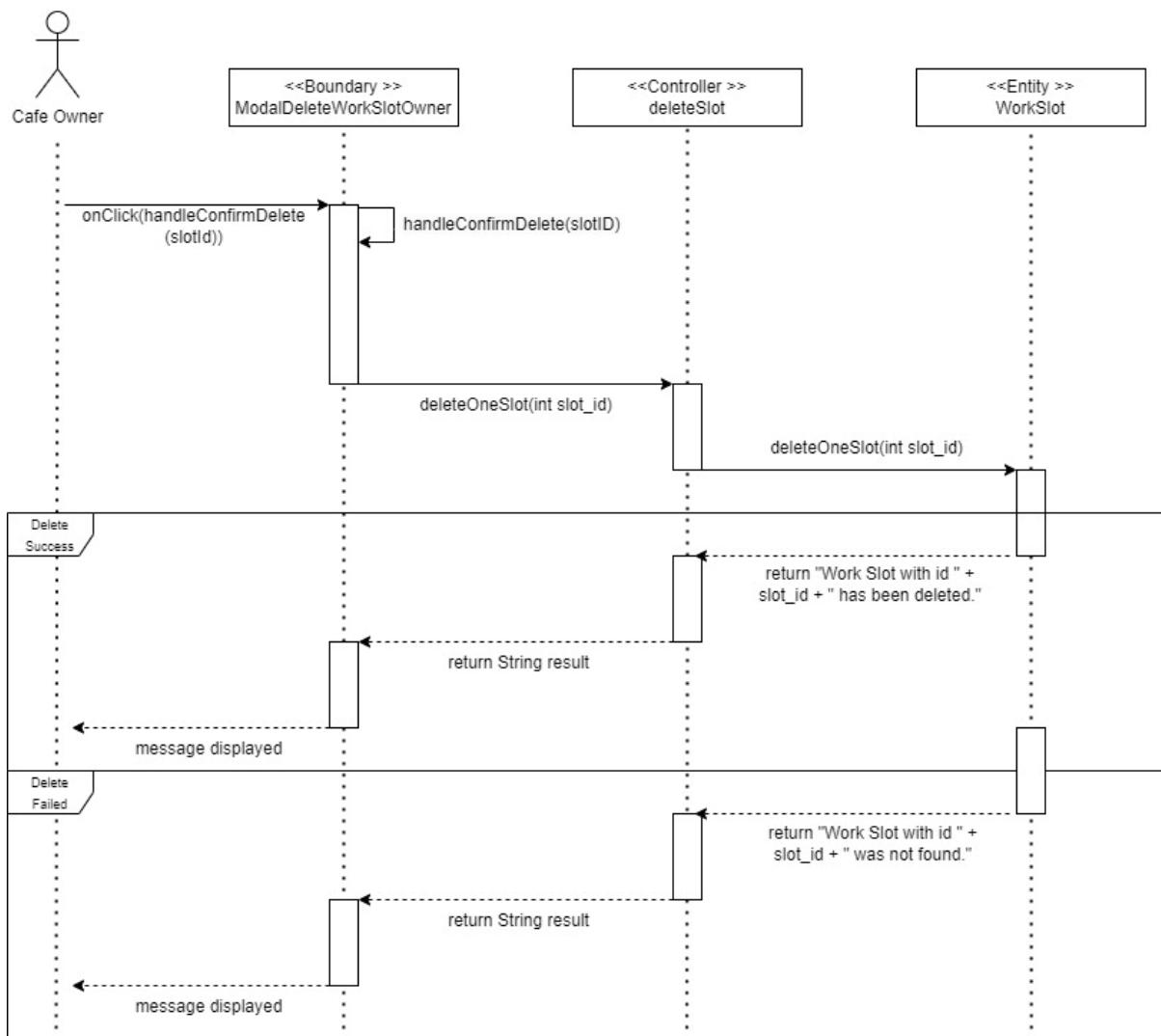
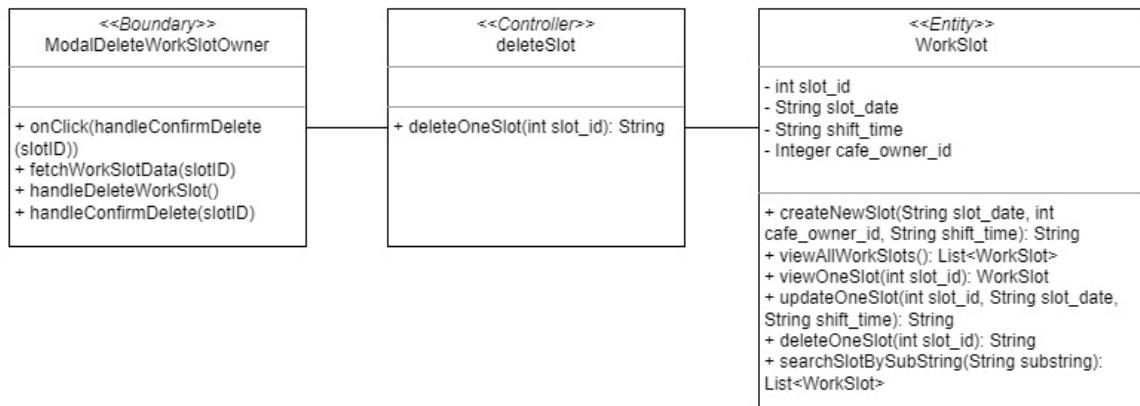


Update Work Slots (Cafe owner)		User story 41			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC057	Cafe owner tries to update work slots	Click “meatball” icon in “OwnerDashboard” page Click “Update Work Slot” button Select Date and Shift of Work Slot Click “Update” button	System display message “Update Work Slot Id: <id> successful.”	System display message “Update Work Slot Id: <id> successful. “	PASS

## User Story #42

<b>Name:</b> Delete Work Slot	ID: 42
<b>Stakeholders and goals:</b> Cafe Owner - wants to delete work slots	
<b>Description:</b> Cafe Owner wants to delete work slots to remove unwanted work slots	
<b>Actors:</b> Cafe Owner	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Owner must login to the account</li><li>2. Cafe Owner must click on the Meatball Icon beside the work slot</li></ol>	
<b>Trigger:</b> Cafe Owner clicks on the “Delete Work Slot” button on the popup menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Owner clicks on the “Delete Work Slot” button on the popup menu.</li><li>2. System will display a modal window with the following details.<ul style="list-style-type: none"><li>- Date</li><li>- Shift</li></ul></li><li>3. Cafe Owner reviews account information and clicks on the “delete” button.</li><li>4. System initiates a pop-up: “Are you sure you want to delete this slot?”</li><li>5. The Cafe Owner clicks “Yes”.</li><li>6. System deletes the work slot and displays a window that indicates successful removal.</li><li>7. System redirects Cafe Owner to the “OwnerDashboard” page.</li><li>8. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> <ol style="list-style-type: none"><li>a: Invalid Work Slot: The Cafe Owner deletes a invalid work slot and the System prompt an error message "Work Slot with id xx was not found."</li></ol>	

## User Story # 42 Cafe Owner delete work slot.



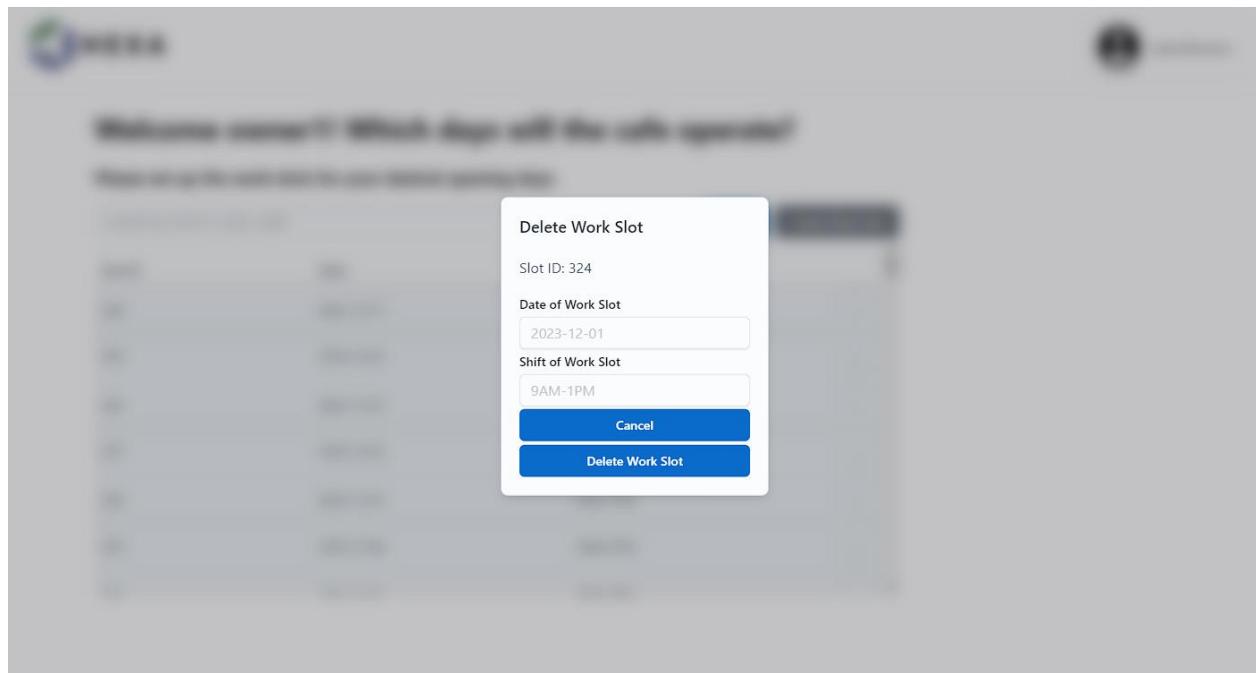
## User Story #42 Delete Work Slot



### Welcome owner1! Which days will the cafe operate?

Please set up the work slots for your desired opening days.

Slot ID	Date	Shift	
324	2023-12-01	9AM-1PM	...
325	2023-12-02	9AM-1PM	Update Work Slot Delete Work Slot ...
326	2023-12-03	9AM-1PM	...
327	2023-12-04	9AM-1PM	...
328	2023-12-05	9AM-1PM	...
329	2023-12-06	9AM-1PM	...
330	2023-12-07	9AM-1PM	...

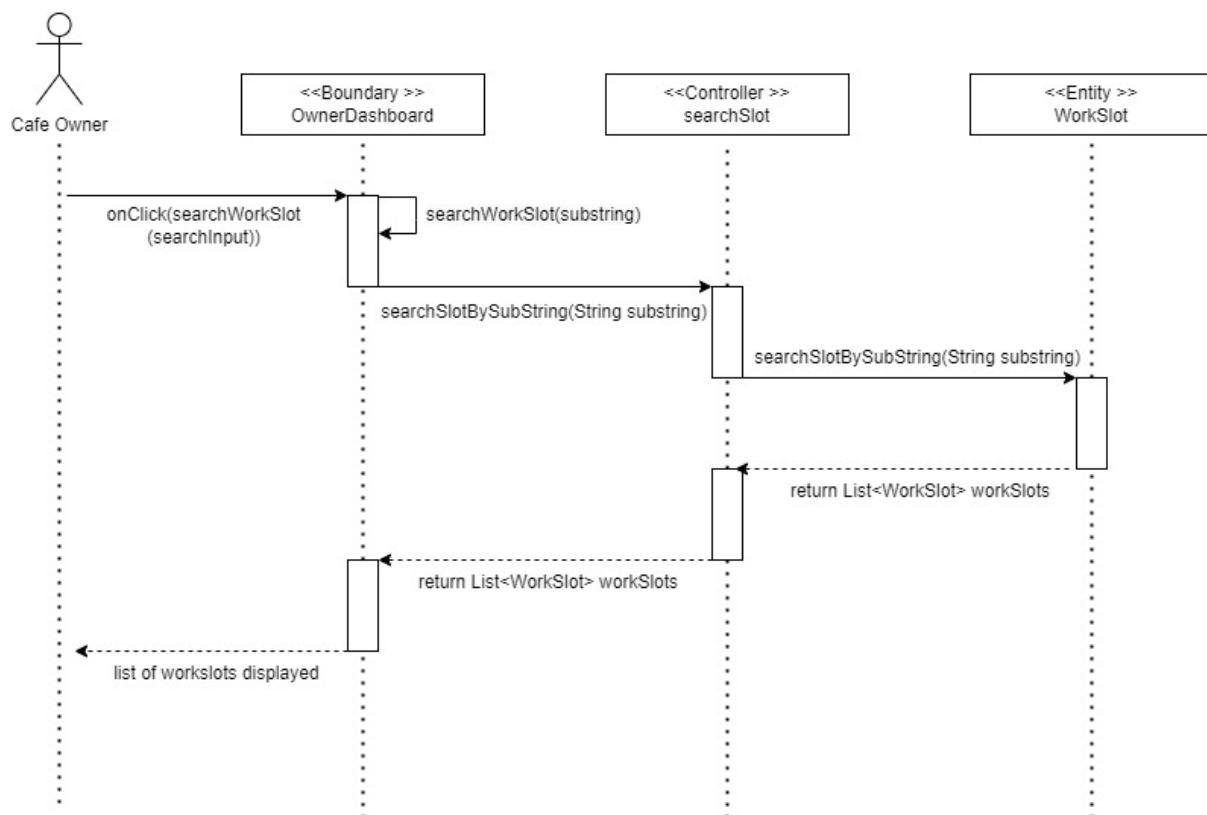
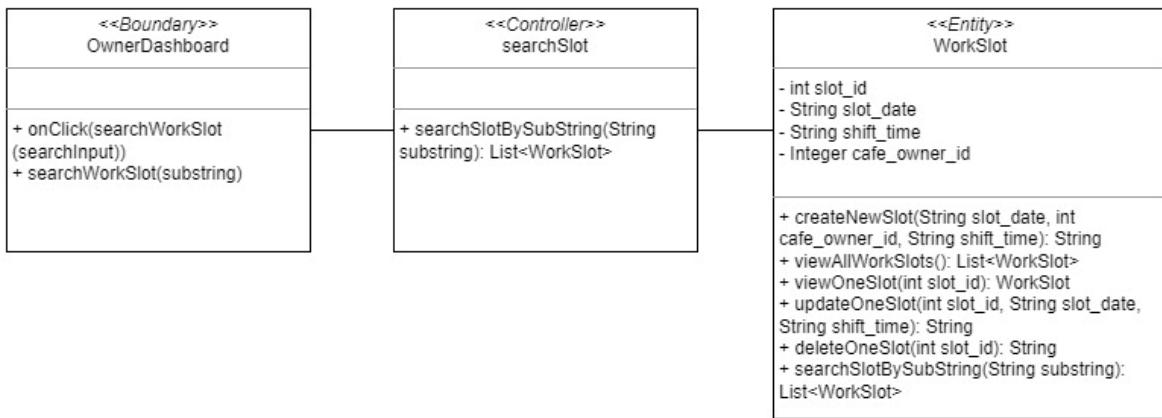


Delete Work Slots (Cafe owner)		User story 42			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC058	Cafe owner tries to delete work slots	Click “meatball” icon in “OwnerDashboard” page Click “Delete Work Slot” button Click “Delete Work Slot” button again Click “Yes” button	System display message “Work Slot with id <id>has been deleted. ”	System display message “Work Slot with id <id>has been deleted. ”	PASS
TC059	Cafe owner tries to delete invalid work slots	Click “meatball” icon in “OwnerDashboard” page Click “Delete Work Slot” button for invalid work slot Click “Delete Work Slot” button again Click “Yes” button	System display error message “work slot id <id> was not found”	System display error message “work slot id <id> was not found”	PASS

## User Story #43

<b>Name:</b> Search Work Slot	ID: 43
<b>Stakeholders and goals:</b> Cafe Owner - wants to search for work slots	
<b>Description:</b> Cafe Owner wants to search work slots to find specific work slots	
<b>Actors:</b> Cafe Owner	
<b>Precondition:</b>	
1. Cafe Owner must login to the account	
<b>Trigger:</b> Cafe Owner clicks search button beside the search bar	
<b>Normal flow:</b>	
1. Cafe Owner keys in work slot information in the search bar & clicks search button. 2. System searches for the relevant work slot information and returns the specific work slots. 3. Cafe Owner views the details shown by the System. 4. End	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 43 Cafe Owner search work slot.



## User Story #43 Search Work Slot



### Welcome owner1! Which days will the cafe operate?

Please set up the work slots for your desired opening days.

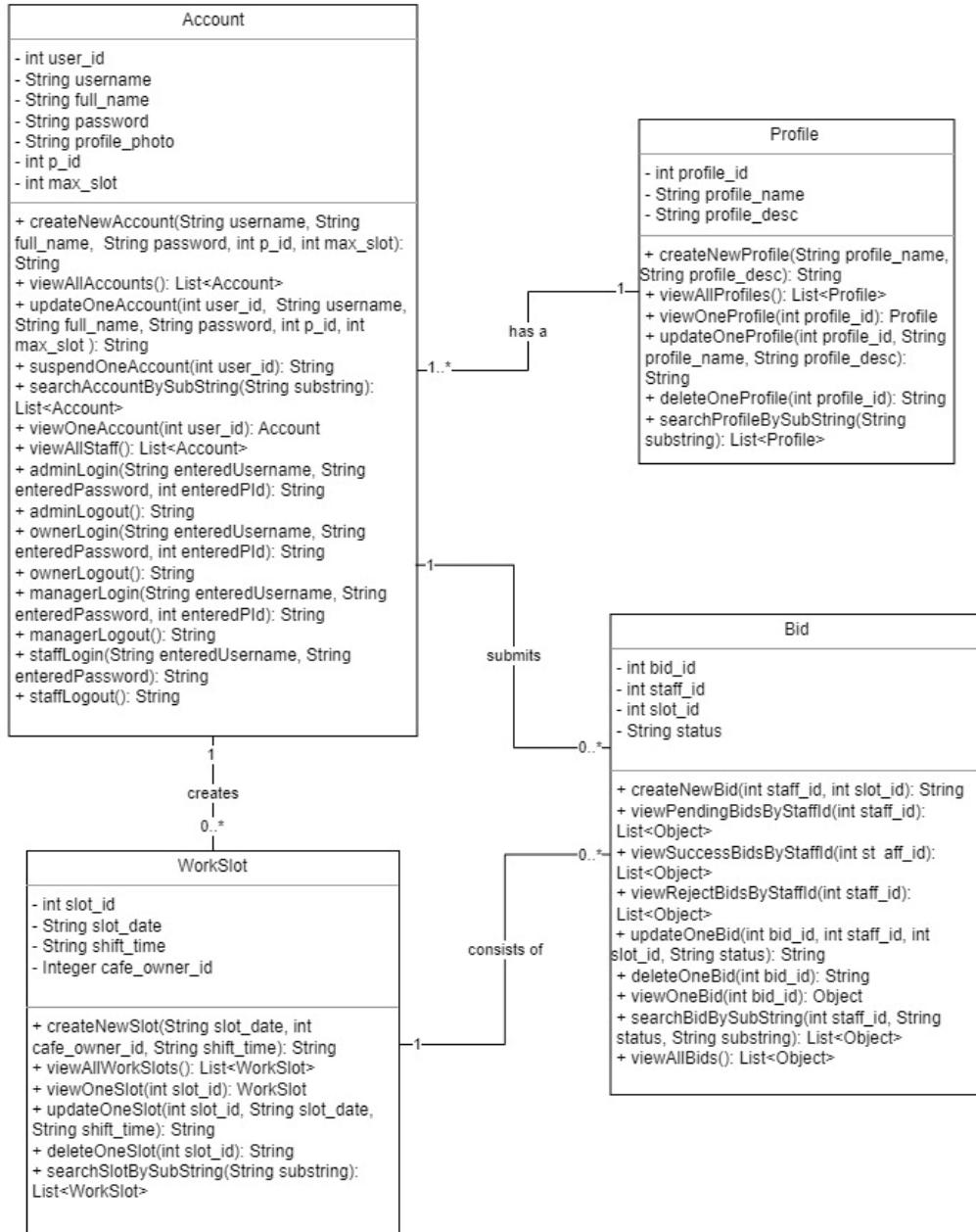
Search Create Work Slot

Slot ID	Date	Shift	
324	2023-12-01	9AM-1PM	...

Search Work Slots (Cafe owner)		User story 43			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC060	Cafe owner tries to search work slots	Key in work slot information in search bar  Click “Search” button	System display relevant work slot information	System display relevant work slot information	PASS

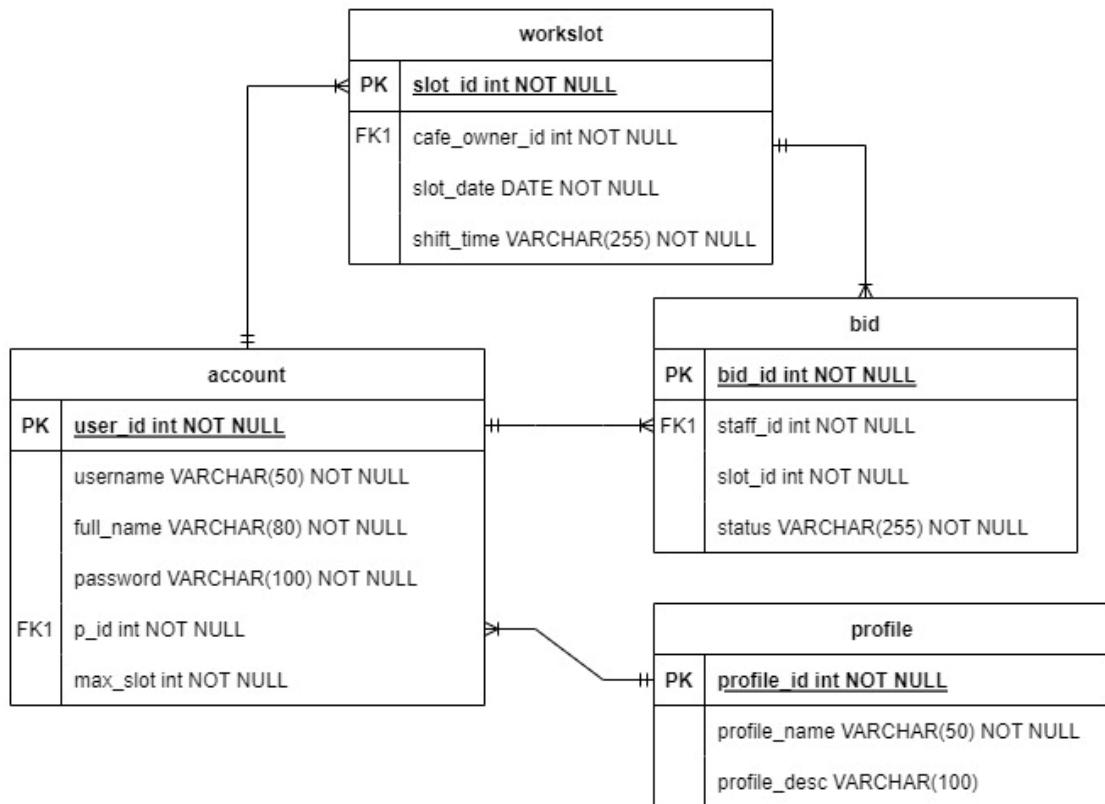
# Class Diagram

SPRINT 3



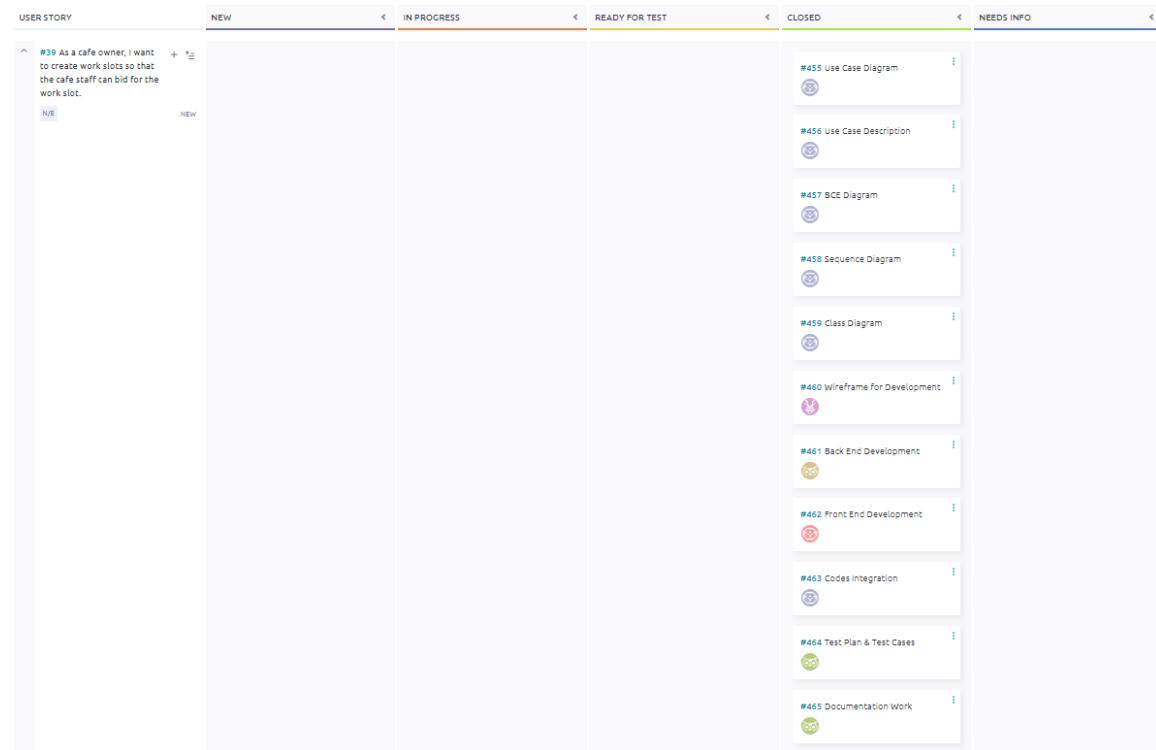
# Data Persistence Diagram

SPRINT 3

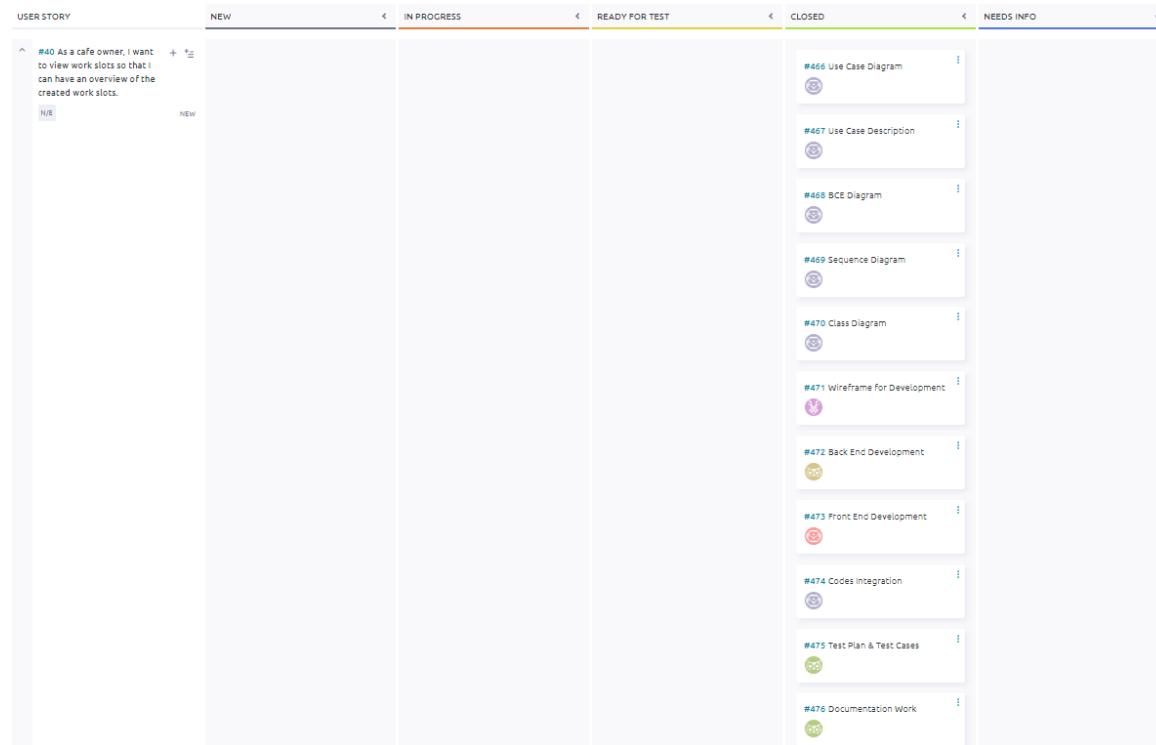


# Taiga Progress

## User Story #39 Create Work Slot



## User Story #40 View Work Slots



## User Story #41 Update Work Slot

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #41 As a cafe owner, I want to update work slots so that I can make changes to the work slot.</p> <p>N/E NEW</p>				<p>#477 Use Case Diagram</p> <p>#478 Use Case Description</p> <p>#479 BCE Diagram</p> <p>#480 Sequence Diagram</p> <p>#481 Class Diagram</p> <p>#482 Wireframe for Development</p> <p>#483 Back End Development</p> <p>#484 Front End Development</p> <p>#485 Codes Integration</p> <p>#486 Test Plan &amp; Test Cases</p> <p>#487 Documentation Work</p>	

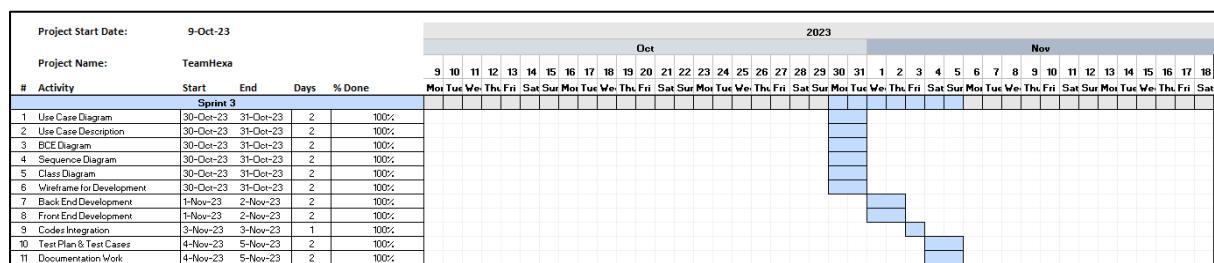
## User Story #42 Delete Work Slot

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #42 As a cafe owner, I want to delete work slots so that I can make changes to the work schedule.</p> <p>N/E NEW</p>				<p>#488 Use Case Diagram</p> <p>#489 Use Case Description</p> <p>#490 BCE Diagram</p> <p>#491 Sequence Diagram</p> <p>#492 Class Diagram</p> <p>#493 Wireframe for Development</p> <p>#494 Back End Development</p> <p>#495 Front End Development</p> <p>#496 Codes Integration</p> <p>#497 Test Plan &amp; Test Cases</p> <p>#498 Documentation Work</p>	

## User Story #43 Search Work Slot

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #43 As a cafe owner, I want to search for work slots so that I can find specific work slots in a week.</p> <p>N/E</p>	NEW			<p>#499 Use Case Diagram</p> <p>#500 Use Case Description</p> <p>#501 BCE Diagram</p> <p>#502 Sequence Diagram</p> <p>#503 Class Diagram</p> <p>#504 Wireframe for Development</p> <p>#505 Back End Development</p> <p>#506 Front End Development</p> <p>#507 Codes Integration</p> <p>#508 Test Plan &amp; Test Cases</p> <p>#509 Documentation Work</p>	

## Gantt Chart



# Meeting Number 8

## Meeting Details

Project Name	Cafe Management
Current Sprint Status	Sprint 3 Review
Meeting Number	8
Date & Time	05-11-2023, 2100-2300
Location	Discord Online
Meeting Objective	Review on completed sprint 3 product
Attendance	All Members

## Discussion Topic

No.	Meeting Agenda
1.	<b>Review Sprint 3 Product &amp; Development</b> <ul style="list-style-type: none"><li>- Final Test Session on Sprint 3 Product to ensure codes are working well.</li><li>- Final Check on Completed Documentation<ul style="list-style-type: none"><li>o Use Case Diagram</li><li>o Use Case Description</li><li>o BCE Diagram</li><li>o Sequence Diagram</li><li>o Class Diagram</li><li>o Wireframe for Development</li><li>o Test Plan &amp; Test Cases</li></ul></li><li>- Final Check on Sprint 3 Codes<ul style="list-style-type: none"><li>o Back End Development</li><li>o Front End Development</li><li>o Codes Integration &amp; Database</li></ul></li><li>- Provide Sprint 3 Update on Taiga</li><li>- Finalize Gantt Chart for respective sprint</li></ul>

## Team Organization

1. Documentation Team: Lee Kuok Wei & Ben Lee
2. Front-End Team: Cressensia & Jim Low
3. Back-End Team: Zhang Boyu & Tan Jing Zhi

# Sprint 4

## Meeting Number 9

### Meeting Details

Project Name	Cafe Management
Current Sprint Status	Sprint 4 Commencement
Meeting Number	9
Date & Time	06-11-2023, 1000-1200
Location	SIM Block A
Meeting Objective	Discuss Requirements for Sprint 4
Attendance	All Members

### Discussion Topics

No.	Meeting Agenda
1.	<b>Discussion on Sprint 4 User Flow for User Stories</b> <ul style="list-style-type: none"><li>- Use Cases of Café Manager are selected for Sprint 4 Development.</li><li>- General visualisation of user flow for wireframe creation.</li></ul>
2.	<b>Commenced Development on Sprint 4 Backlog Items.</b> <ul style="list-style-type: none"><li>- Documentation Team starts Development Diagrams.</li><li>- Cressensia comes up with Wireframe.</li><li>- Back End &amp; Front End start coding based on agreed standard.</li><li>- Boyu handles Integration Work.</li><li>- Documentation Team conducts test plan and test cases.</li></ul>

### Deliverables

No.	Tasks By Next Meeting (12-11-2023)	Execution Members
1.	Sprint 4 Item: Development Diagrams. <ul style="list-style-type: none"><li>- Use Case Diagram</li><li>- Use Case Description</li><li>- BCE Diagram</li><li>- Sequence Diagram</li></ul>	Documentation Team
2.	Sprint 4 Item: Wireframe.	Cressensia
3.	Sprint 4 Item: Back End Development.	Back-End Team
4.	Sprint 4 Item: Front End Development.	Front-End Team
5.	Sprint 4 Item: Codes Integration & Database	Zhang Boyu
6.	Sprint 4 Item: Class Diagram	Zhang Boyu
7.	Sprint 4 Item: Complete Testing.	Tan Jing Zhi
8.	Sprint 4 Item: Compile Sprint Documentation.	Documentation Team
9.	Sprint 4 Item: Ethical Consideration	Documentation Team
10.	Sprint 4 Item: Data-Driven Development Plan	Documentation Team
11.	Sprint 4 Item: Test-Driven Development Plan	Documentation Team

### Team Organization

1. Documentation Team: Lee Kuok Wei & Ben Lee
2. Front-End Team: Cressensia & Jim Low
3. Back-End Team: Zhang Boyu & Tan Jing Zhi

## User Stories

#16 As a cafe manager, I want to view the cafe staff list so that I can have an overview of the current manpower distribution and the maximum work slots for the respective cafe staff.

#17 As a cafe manager, I want to view bids from the cafe staff so that I can see the staff's preference for a work slot.

#18 As a cafe manager, I want to view work slot detail so that I can have an overview of the respective staffing status in the work slot.

#19 As a cafe manager, I want to assign cafe staff to an unfilled roles so that all work slots are occupied.

#20 As a cafe manager, I want to unassign staff from a work slot so that I can adjust the manpower distribution.

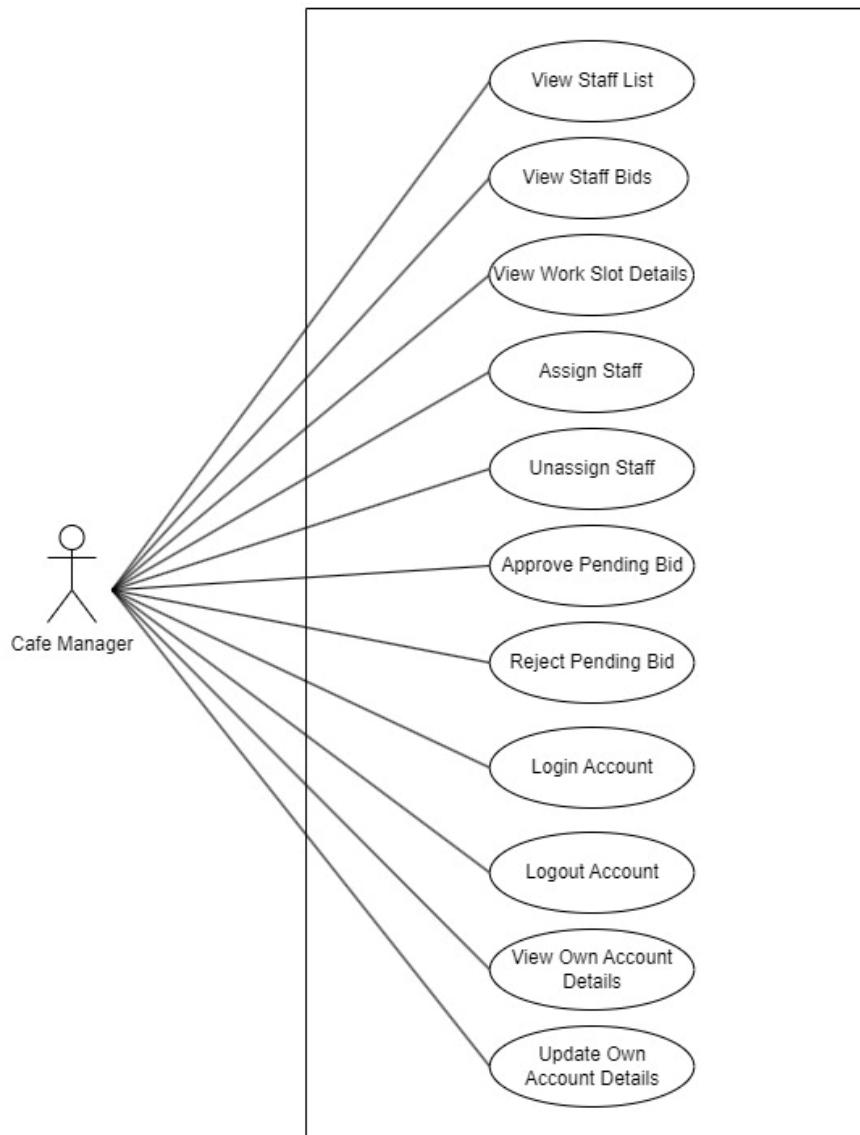
#21 As a cafe manager, I want to approve pending bids for work slots so that manpower is adequate for the respective work slots.

#22 As a cafe manager, I want to reject pending bids for work slots so that the cafe staff can bid for other work slots.

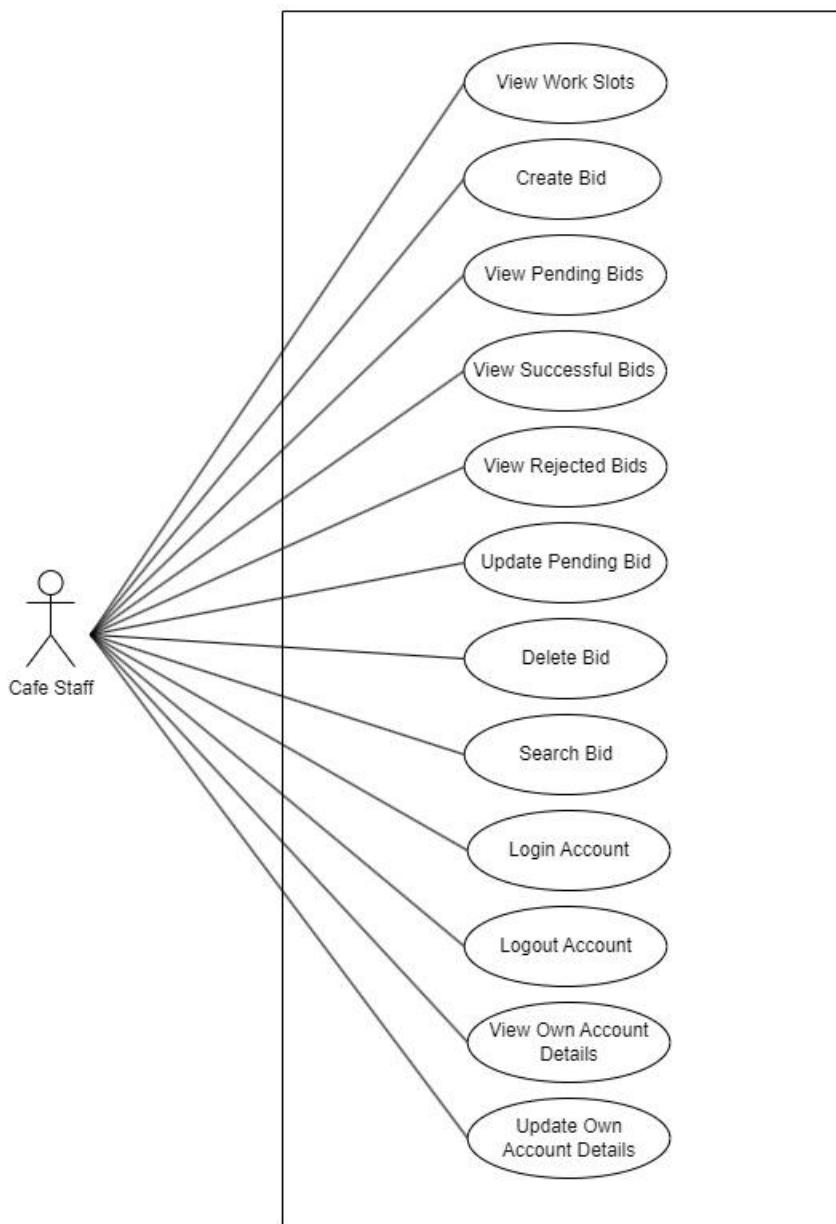
#27 As a cafe staff, I want to view the work slots occupied by myself so I know when I need to work.

## Use Case Diagram

# Cafe Manager Use Case Diagram



# Cafe Staff Use Case Diagram



## Development Diagrams & Test Cases

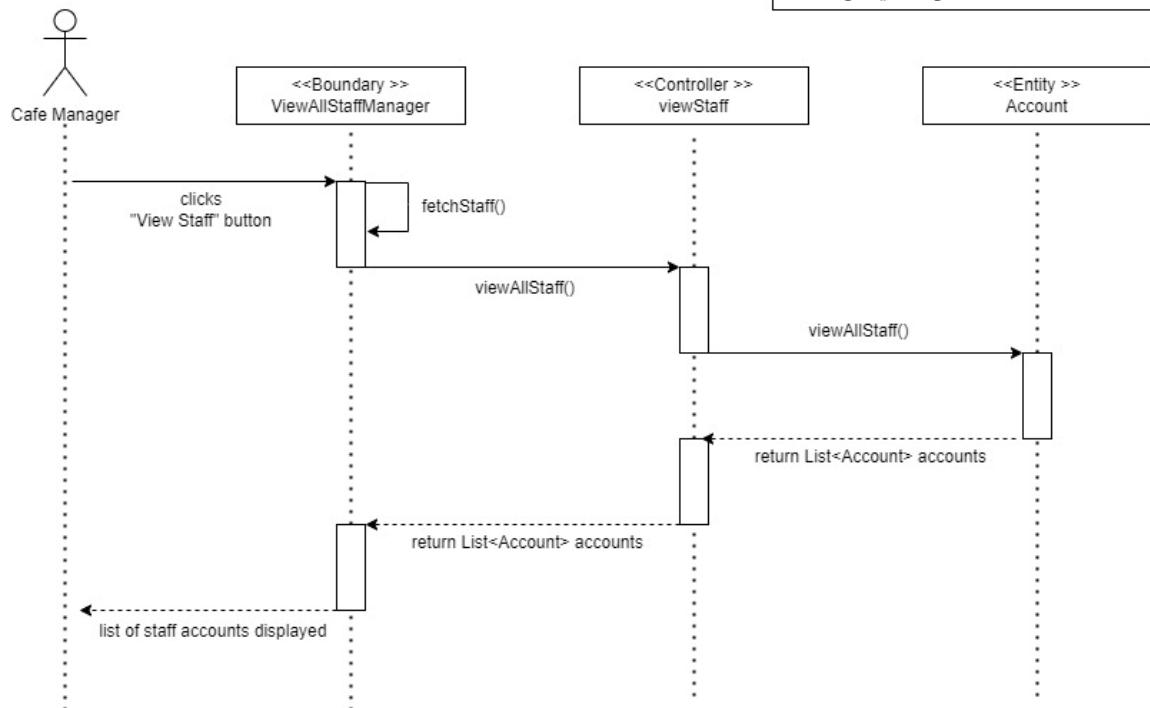
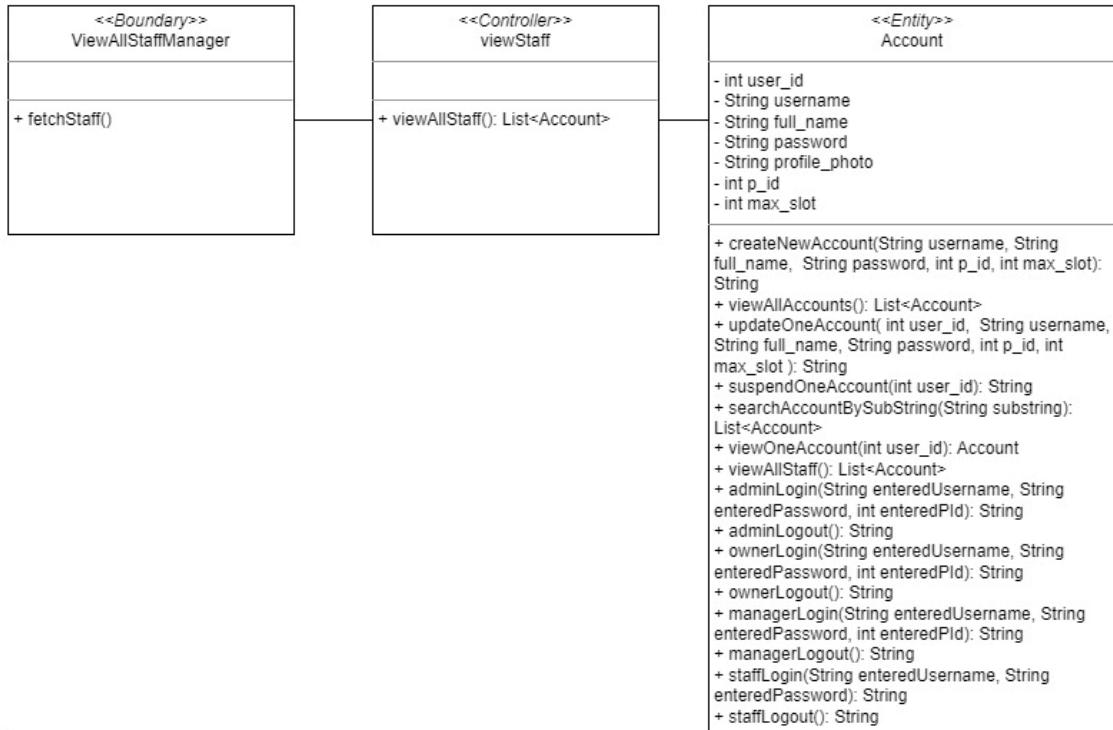
The following sub-header constitutes development diagrams and test cases of Sprint 4 user stories in the following order:

1. Use Case Description
2. BCE Diagram & Sequence Diagram
3. Product Wireframe
4. Test Cases

### User Story #16

<b>Name:</b> View Staff List	ID: 16
<b>Stakeholders and goals:</b> Cafe Manager - wants to view Staff List	
<b>Description:</b> Cafe Manager wants to view Staff List	
<b>Actor:</b> Cafe Manager	
<b>Precondition:</b> Cafe Manager must login to account	
<b>Trigger:</b> Cafe Manager clicks “View Staff” button at “ManagerDashboard” page	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Manager clicks the “View Staff” button at the “ManagerDashboard” Page.</li><li>2. System redirect Cafe Manager to “ViewAllStaffManager” page with the following details:<ul style="list-style-type: none"><li>- Profile</li><li>- Name</li><li>- Max Work Slot</li></ul></li><li>3. Cafe Manager views the staff list.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 16 Cafe Manager view staff list.



## User Story #16 View Staff List



### List of all cafe staff

This is the list of all cafe staff

#### All cafe staff

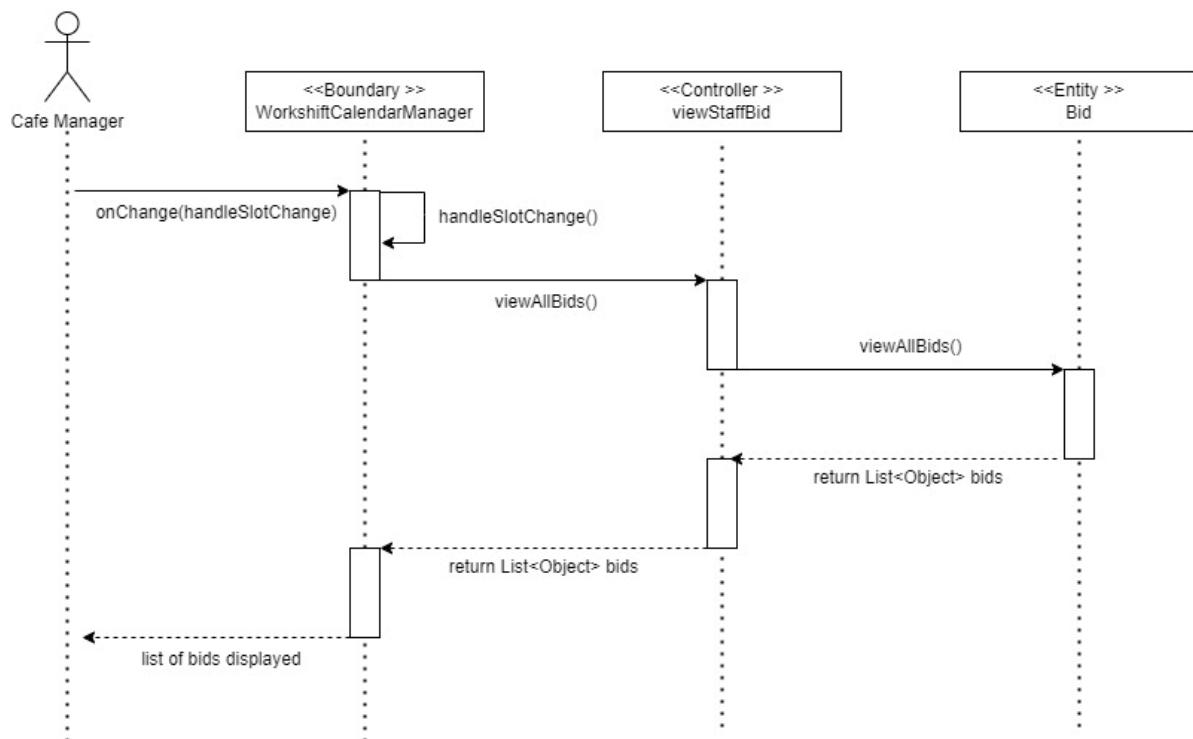
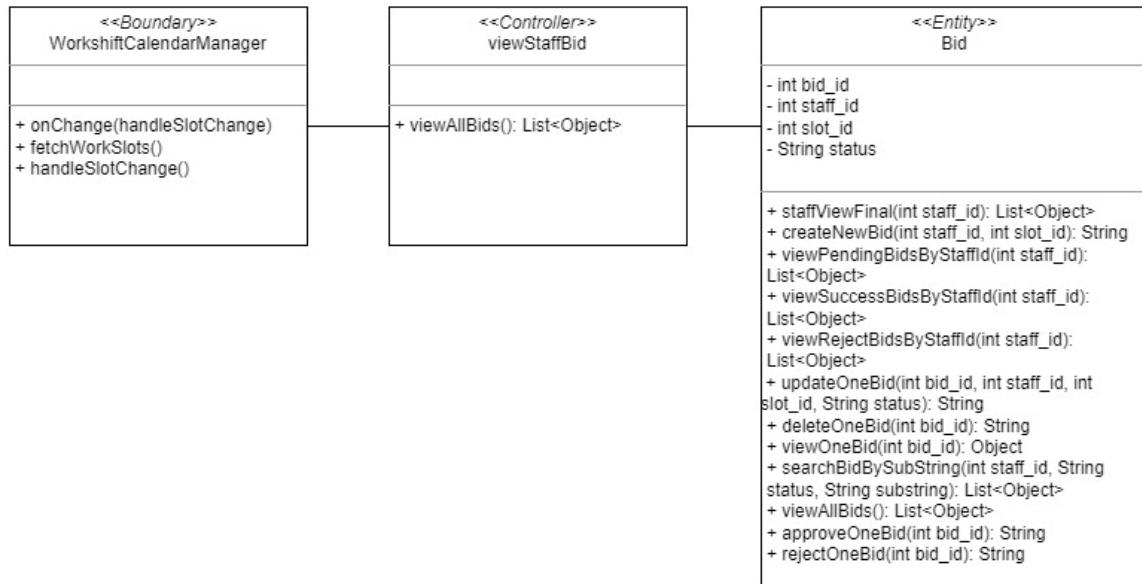
Profile	Name	Max Work Slot
Cafe Staff(chef)	Mahamad Su	3
Cafe Staff(chef)	Yun Poon	3
Cafe Staff(chef)	Yuk bin Yaakob	3
Cafe Staff(chef)	Nelson Razak	3
Cafe Staff(chef)	Aina Lew	3
Cafe Staff(chef)	Zhi Devi	3
Cafe Staff(chef)	Salma Salim	2

View Staff List (Cafe Manager)		User story 16			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC061	Cafe manager tries to view staff list	Click the “View Staff” button at the “ManagerDashboard” page	System redirect cafe manager to “ViewAll StaffManager” page and display Cafe staff list	System redirect cafe manager to “ViewAll StaffManager” page and display Cafe staff list	PASS

## User Story #17

<b>Name:</b> View Staff Bids	ID: 17
<b>Stakeholders and goals:</b> Cafe Manager - wants to view Staff Bids	
<b>Description:</b> Cafe Manager wants to view Staff Bids	
<b>Actor:</b> Cafe Manager	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Manager must login to account</li><li>2. Cafe Manager must click on “Manage Bids” button at “ManagerDashboard” page</li></ol>	
<b>Trigger:</b> Cafe Manager selects work slot from the dropdown menu.	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Manager clicks a specific work slot under the drop-down list.</li><li>2. System processes the request and displays staff bids for the corresponding work slot.</li><li>3. Cafe Manager views Staff Bids.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 17 Cafe Manager view staff bids.



## User Story #17 View Staff Bids



**This is the Work Shift Calendar of this week.**

Allocate Staff for Each Work Slot

Select Work Slot—  
2023-12-02, 9AM-1PM ▾

### Bidders List

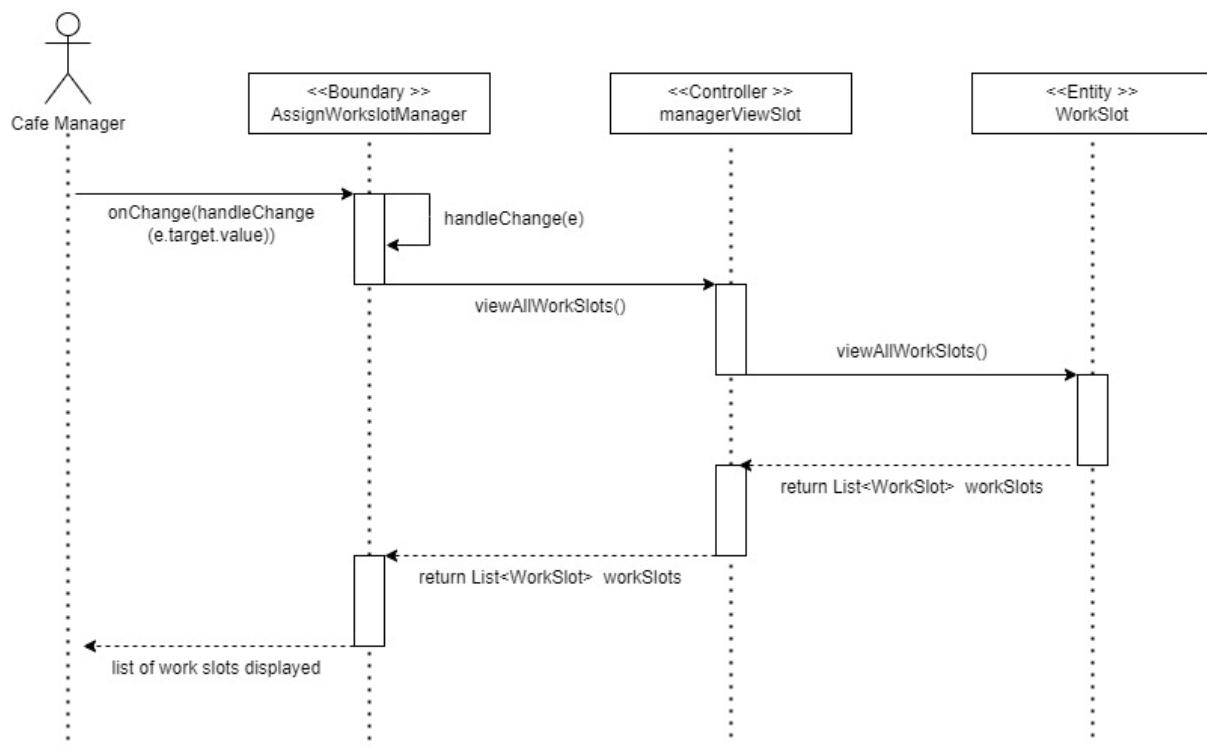
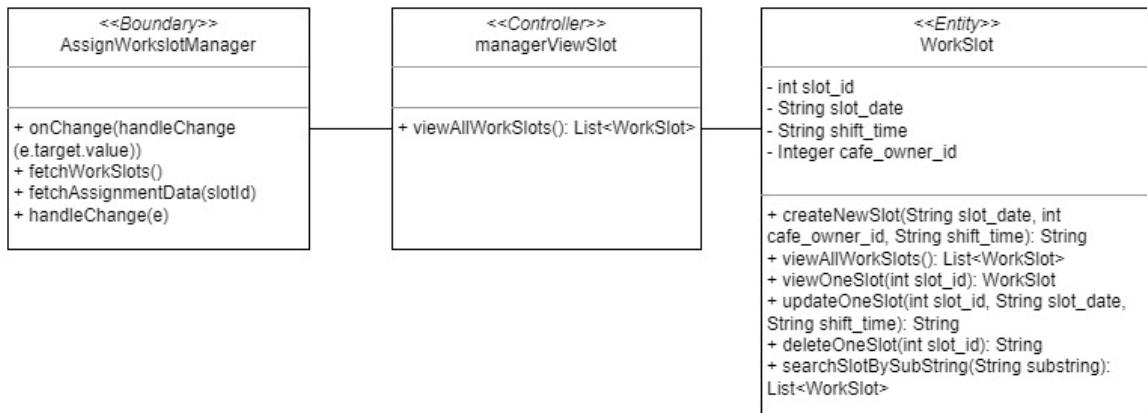
Date	Shift Time	Profile	Name	Status
02/12/23	9AM-1PM	Cafe Staff(cashier)	Águida Espírito	Rejected
02/12/23	9AM-1PM	Cafe Staff(cashier)	Lúcia Varela	Successful
02/12/23	9AM-1PM	Cafe Staff(chef)	Changsheng Biao	Rejected
02/12/23	9AM-1PM	Cafe Staff(waiter)	Brylrasdyn Champion Of The Brown	Pending

View Staff Bids (Cafe Manager)		User story 17			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC062	Cafe manager tries to view Staff Bids	Click the “Manage Bids” button at “ManagerDashboard” page	System display list staff bids for the corresponding work slot	System display list staff bids for the corresponding work slot	PASS

## User Story #18

<b>Name:</b> View Work Slot Details	ID: 18
<b>Stakeholders and goals:</b> Cafe Manager - wants to view work slot detail	
<b>Description:</b> Cafe Manager wants to view work slot detail	
<b>Actor:</b> Cafe Manager	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Manager must login to the account.</li><li>2. Cafe Manager must click the “Manage Manpower” button at the “ManagerDashboard” page.</li></ol>	
<b>Trigger:</b> Cafe Manager clicks a specific work slot under drop-down list	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Manager clicks a specific work slot under the drop-down list.</li><li>2. System processes the request and displays manpower for the corresponding work slot.</li><li>3. Cafe Manager views manpower for the corresponding work slot.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 18 Cafe Manager view work slot details.



## User Story #18 View Work Slot Details



### Assign workslots that are currently unassigned here.

#### Allocate Staff for Unassigned Work Slot

Work Slot

Date: 2023-12-09, Shift Time: 9A ▾

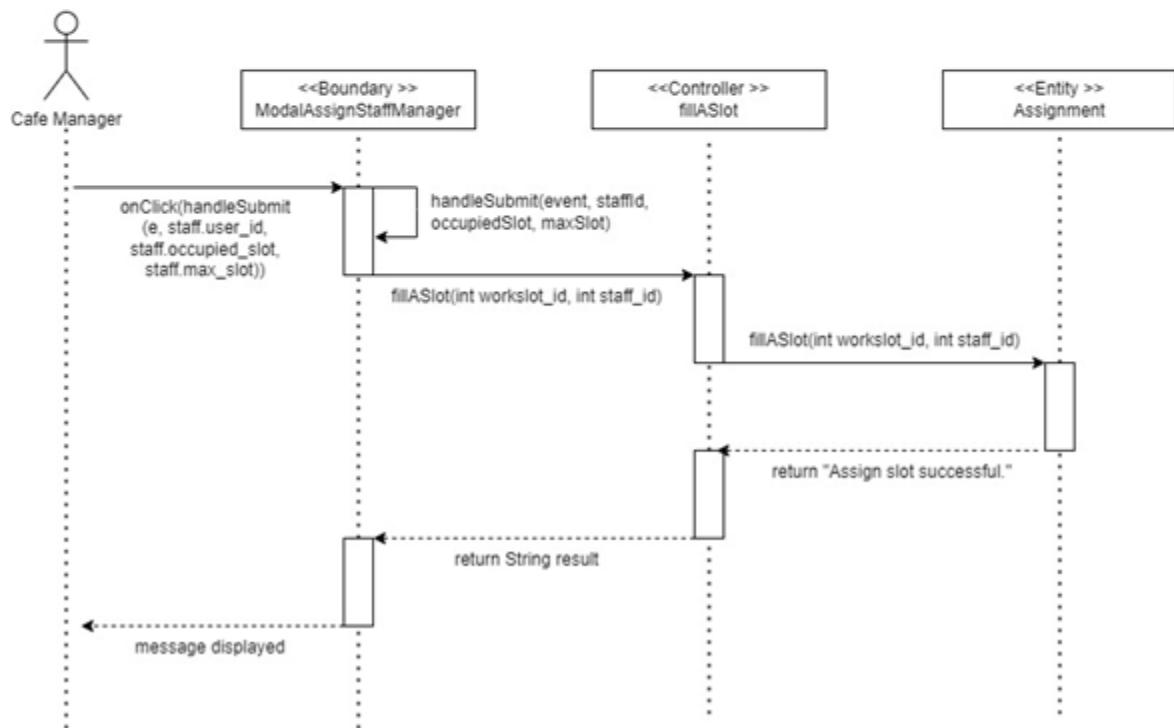
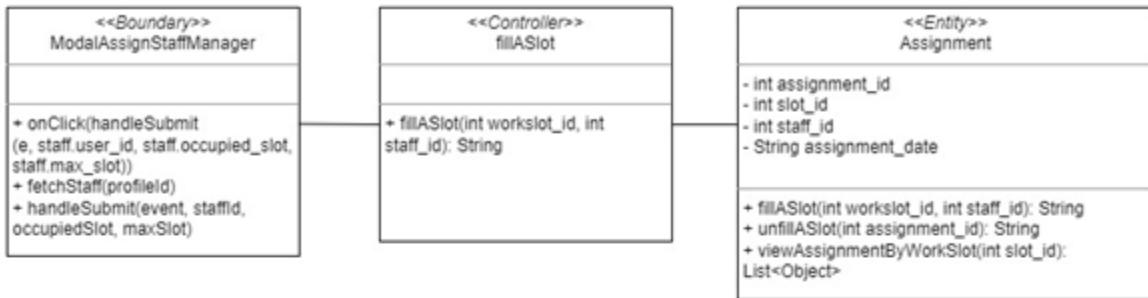
Profile	Name	Assignment
Cafe Staff(chef)	Yun Poon	<a href="#">Unassign</a>
Cafe Staff(cashier)	Not assigned	<a href="#">Assign Here</a>
Cafe Staff(waiter)	Not assigned	<a href="#">Assign Here</a>

View Work Slot Detail (Cafe Manager)		User story 18			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC063	Cafe manager tries to view work slot detail	Click the “Manage Manpower” button at the “ManagerDashboard” page  Click specific work slot under “Select Work Slot” drop-down list	System display manpower for the corresponding work slot	System display manpower for the corresponding work slot	PASS

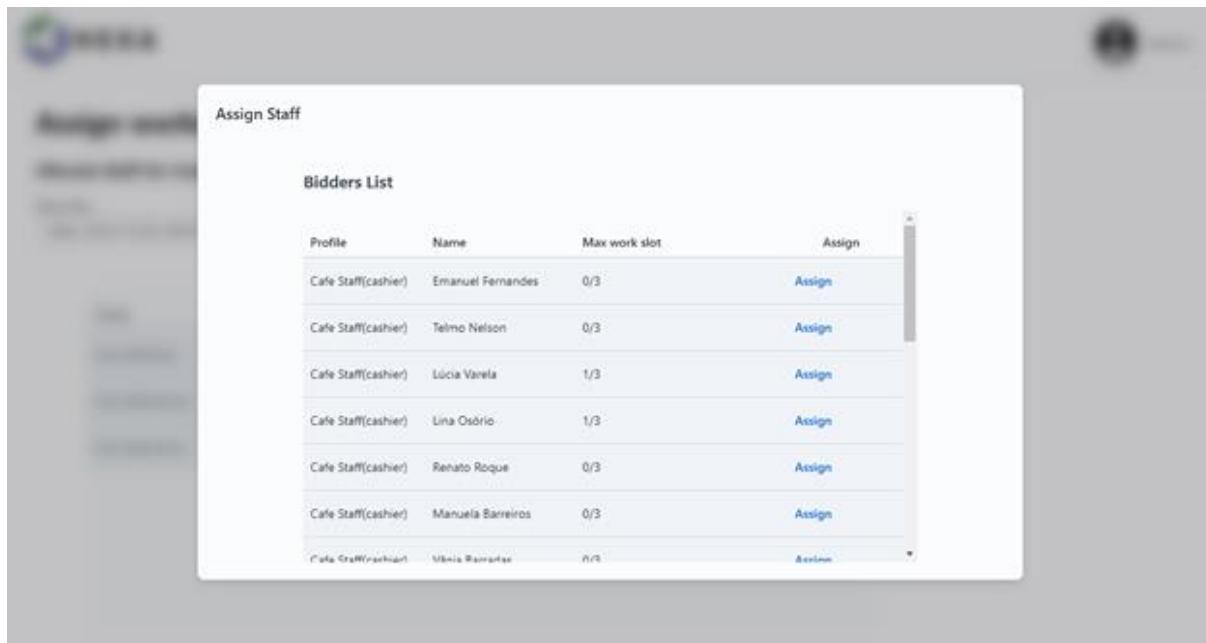
## User Story #19

<b>Name:</b> Assign Staff	ID: 19
<b>Stakeholders and goals:</b> Cafe Manager - wants to assign cafe staff to unfilled slots	
<b>Description:</b> Cafe Manager wants to assign cafe staff to unfilled roles	
<b>Actor:</b> Cafe Manager	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Manager must login to the account.</li><li>2. Cafe Manager must click the “Manage Manpower” button at the “ManagerDashboard” page.</li><li>3. Cafe Manager must click a specific work slot under the drop-down list.</li></ol>	
<b>Trigger:</b> Cafe Manager clicks the “Assign Here” option beside a specific role	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Manager clicks the “Assign Here” option beside a specific role.</li><li>2. System displays a modal window with a list of staff eligible for the unfilled role.</li><li>3. Cafe Manager views the modal window &amp; clicks the “Assign Here” option besides the desired staff.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 19 Cafe Manager assign staff.



## User Story #19 Assign Staff

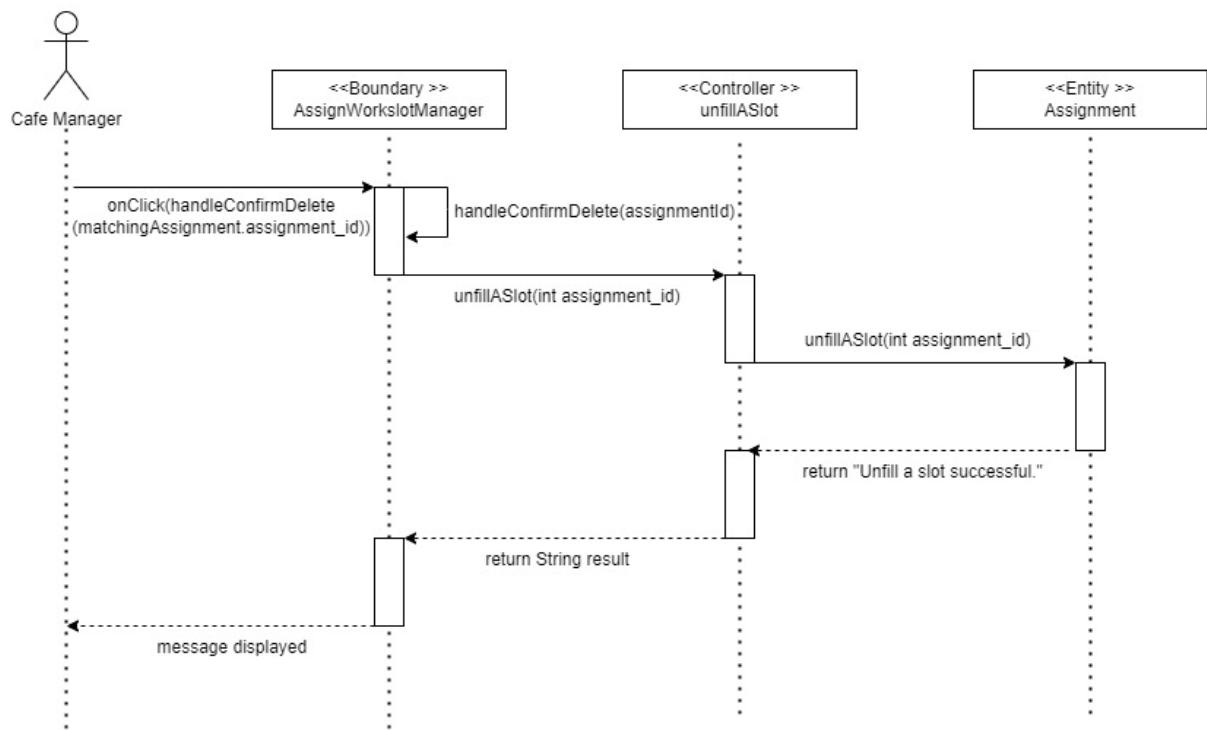
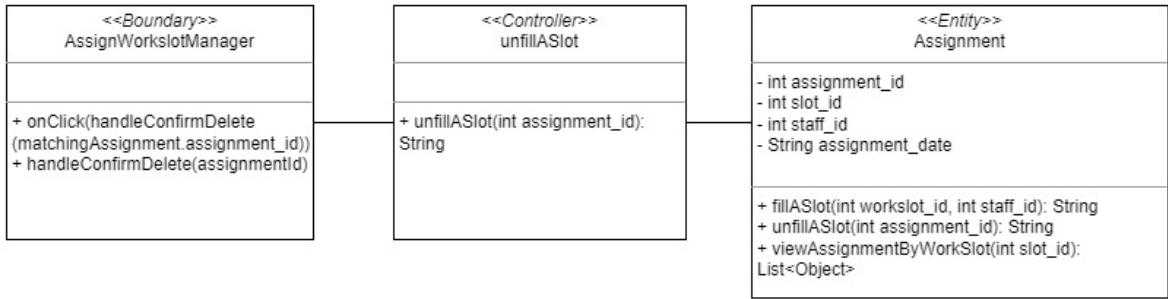


Assign Cafe Staff (Cafe Manager)		User story 19			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC064	Cafe manager tries to assign cafe staff to unfilled slots	<p>Click the “Manage Manpower” button at the “ManagerDashboard” page</p> <p>Click specific work slot under “Select Work Slot” drop-down list</p> <p>Click “Assign Here” option beside a specific role</p>	<p>System removes the currently unassigned cafe staff and display “Unassign” option besides the specified role</p>	<p>System removes the currently unassigned cafe staff and display “Unassign” option besides the specified role</p>	PASS

## User Story #20

<b>Name:</b> Unassign Staff	ID: 20
<b>Stakeholders and goals:</b> Cafe Manager - wants to unassign cafe staff from a work slot	
<b>Description:</b> Cafe Manager wants to unassign cafe staff from a work slot	
<b>Actor:</b> Cafe Manager	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Manager must login to the account.</li><li>2. Cafe Manager must click the “Manage Manpower” button at the “ManagerDashboard” page.</li><li>3. Cafe Manager must click a specific work slot under the drop-down list.</li></ol>	
<b>Trigger:</b> Cafe Manager clicks the “Unassign” option besides a specific role	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Manager clicks the “Unassign” option besides a specific role.</li><li>2. System processes the request and removes the currently assigned cafe staff.</li><li>3. System displays the “Assign Here” option besides the specified role now.</li><li>4. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 20 Cafe Manager unassign staff.



## User Story #20 Unassign Staff



### Assign workslots that are currently unassigned here.

#### Allocate Staff for Unassigned Work Slot

Work Slot

Date: 2023-12-09, Shift Time: 9A ▾

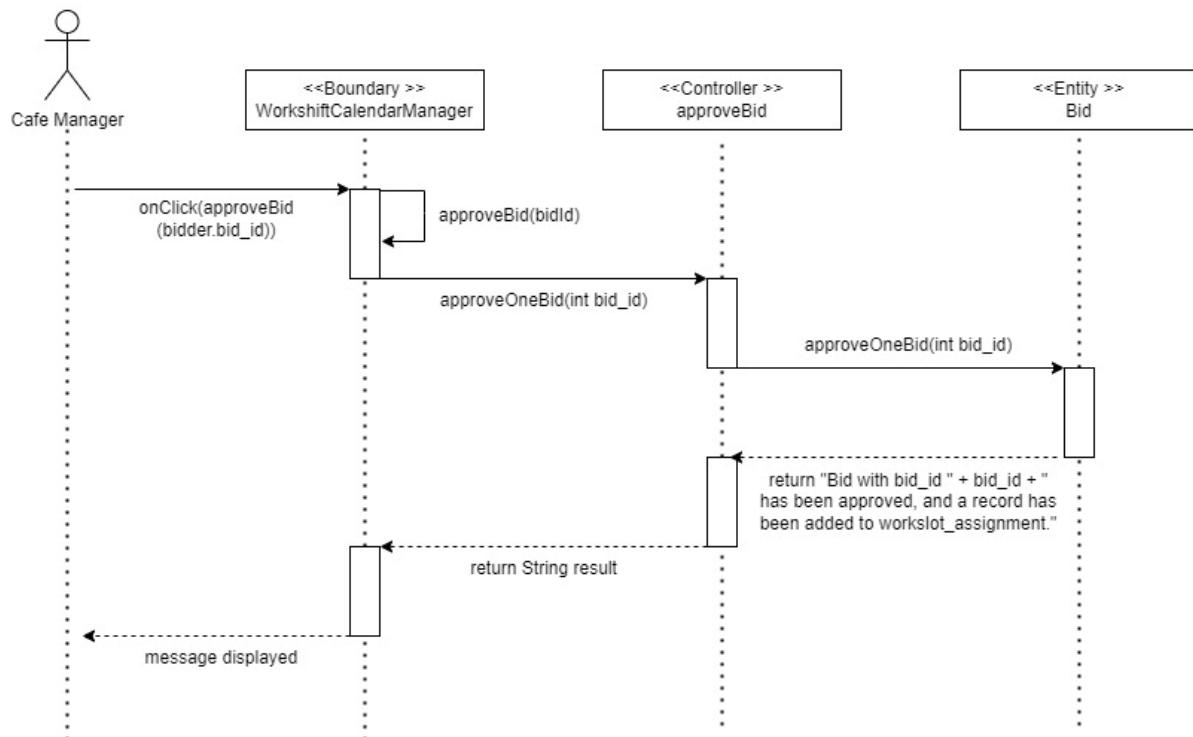
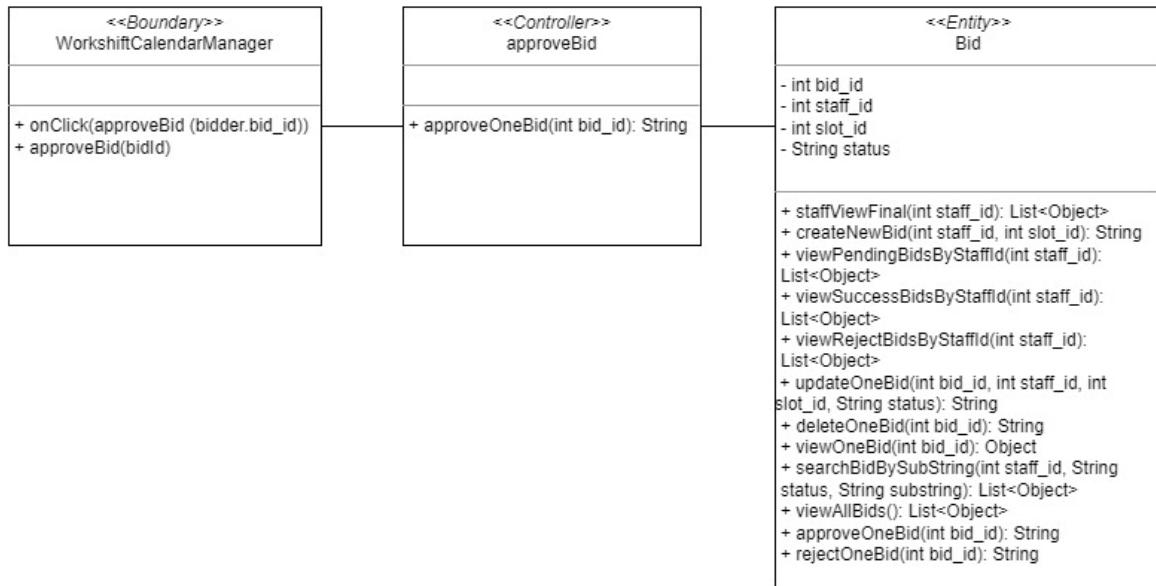
Profile	Name	Assignment
Cafe Staff(chef)	Yun Poon	<a href="#">Unassign</a>
Cafe Staff(cookin)	Not assigned	<a href="#">Assign Here</a>

Unassign Cafe Staff (Cafe Manager)		User story 20			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC065	Cafe manager tries to unassign cafe staff to from a work slot	Click the “Manage Manpower” button at the “ManagerDashboard” page Click specific work slot under “Select Work Slot” drop-down list Click “Unassign” option beside a specific role	System removes the currently assigned cafe staff and display the “Assign Here” option besides the specified role	System removes the currently assigned cafe staff and display the “Assign Here” option besides the specified role	PASS

## User Story #21

<b>Name:</b> Approve Pending Bid	ID: 21
<b>Stakeholders and goals:</b> Cafe Manager - wants to approve pending bid	
<b>Description:</b> Cafe Manager wants to approve pending bid	
<b>Actor:</b> Cafe Manager	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Manager must login to the account.</li><li>2. Cafe Manager must click the “Manage Bids” button at the “ManagerDashboard” page.</li><li>3. Cafe Manager must click on the Meatball Icon beside the bid request.</li></ol>	
<b>Trigger:</b> Cafe Manager clicks the “Approve” option on the pop-up menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Manager clicks the “Approve” option on the pop-up menu.</li><li>2. System processes the request and changes the bid status to “Successful”.</li><li>3. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 21 Cafe Manager approve pending bid.



## User Story #21 Approve Pending Bid



### This is the Work Shift Calendar of this week.

#### Allocate Staff for Each Work Slot

Select Work Slot  
2023-12-03, 9AM-1PM

#### Bidders List

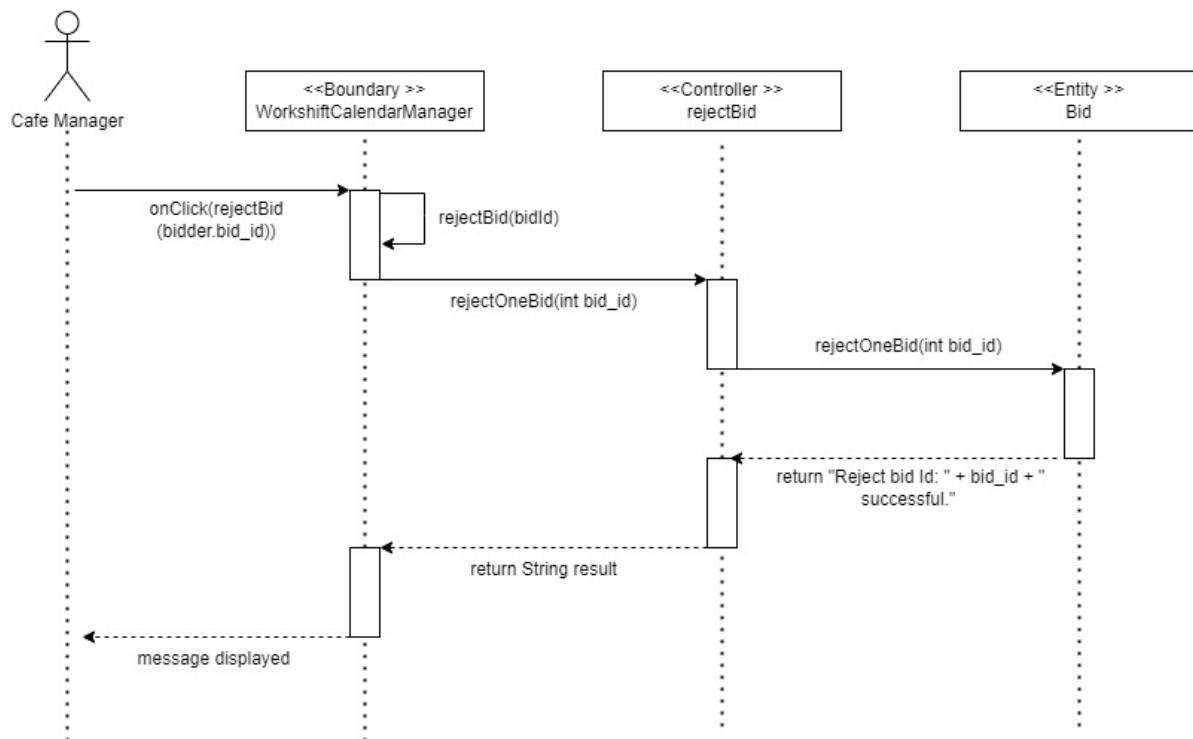
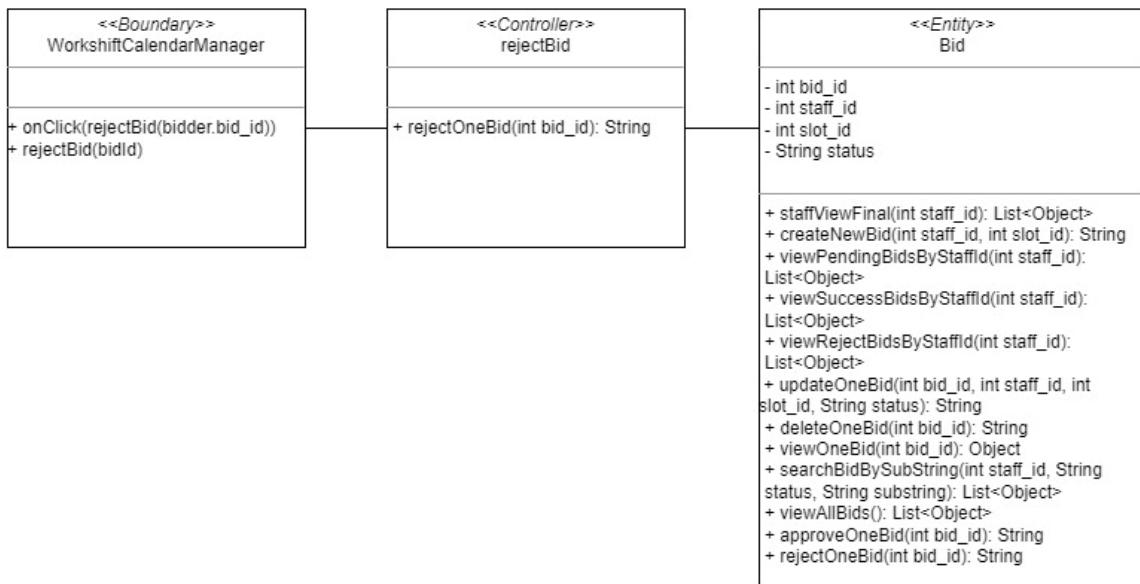
Date	Shift Time	Profile	Name	Status	
03/12/23	9AM-1PM	Cafe Staff(cashier)	César Bernardes	Pending	<span>...</span> <div style="display: flex; justify-content: space-around;"> <span>Approve</span> <span>Reject</span> </div>

Approve Pending Bid (Cafe Manager)		User story 21			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC066	Cafe manager tries to approve pending bid	Click the “Manage Bids” button at the “ManagerDashboard” page Click specific work slot under “Select Work Slot” drop-down list Click “meatball” icon beside the bid request Click “Approve” option on the pop-up menu	System change the bid status to “Successful” and display “Bid with bid_id <id> has been approved, and a record has been added to workslot _assignment”	System change the bid status to “Successful” and display “Bid with bid_id <id> has been approved, and a record has been added to workslot _assignment”	PASS

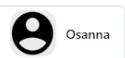
## User Story #22

<b>Name:</b> Reject Pending Bid	ID: 22
<b>Stakeholders and goals:</b> Cafe Manager - wants to reject pending bids	
<b>Description:</b> Cafe Manager wants to reject pending bids	
<b>Actor:</b> Cafe Manager	
<b>Precondition:</b> <ol style="list-style-type: none"><li>1. Cafe Manager must login to the account.</li><li>2. Cafe Manager must click the “Manage Bids” button at the “Manager Dashboard” page.</li><li>3. Cafe Manager must click on the Meatball Icon besides the bid request.</li></ol>	
<b>Trigger:</b> Cafe Manager clicks the “Reject” option on the pop-up menu	
<b>Normal flow:</b> <ol style="list-style-type: none"><li>1. Cafe Manager clicks the “Reject” option on the pop-up menu.</li><li>2. System processes the request and changes the bid status to “Rejected”. .</li><li>3. End</li></ol>	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story #22 Cafe Manager reject pending bid.



## User Story #22 Reject Pending Bid



### This is the Work Shift Calendar of this week.

#### Allocate Staff for Each Work Slot

Select Work Slot:

2023-12-03, 9AM-1PM

#### Bidders List

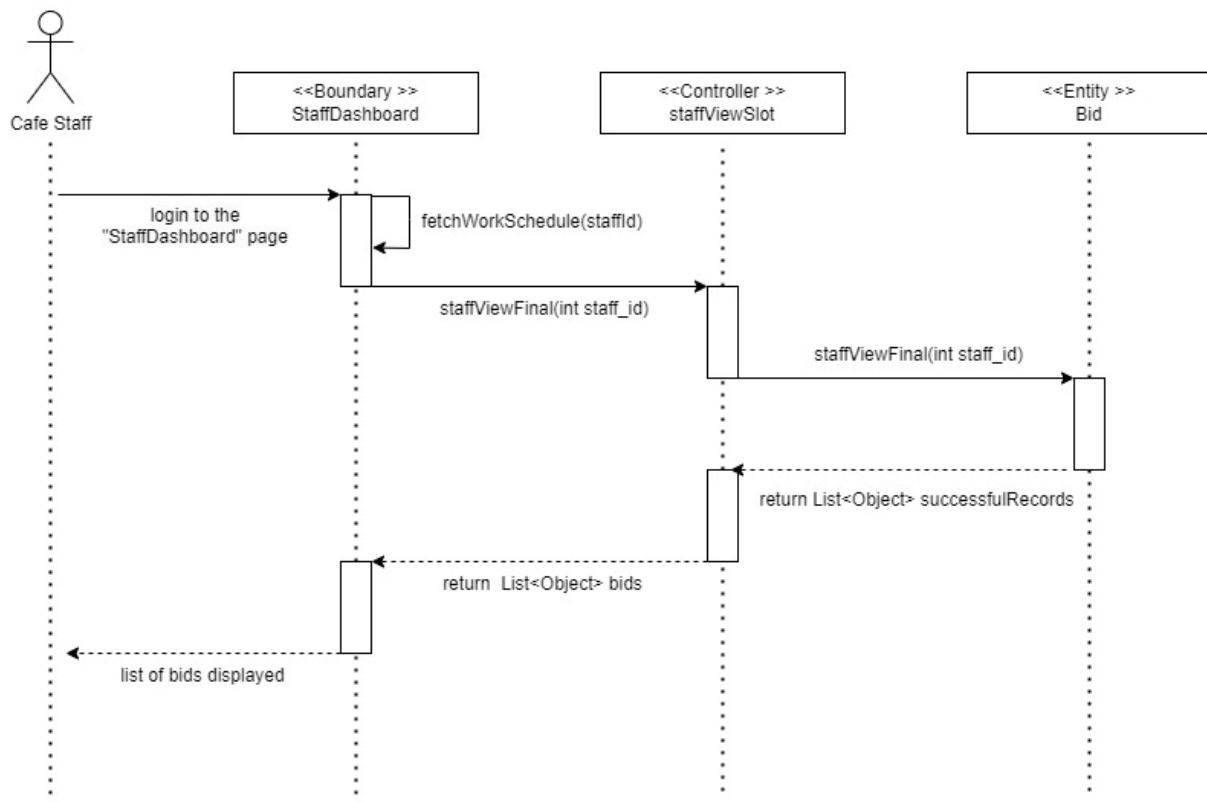
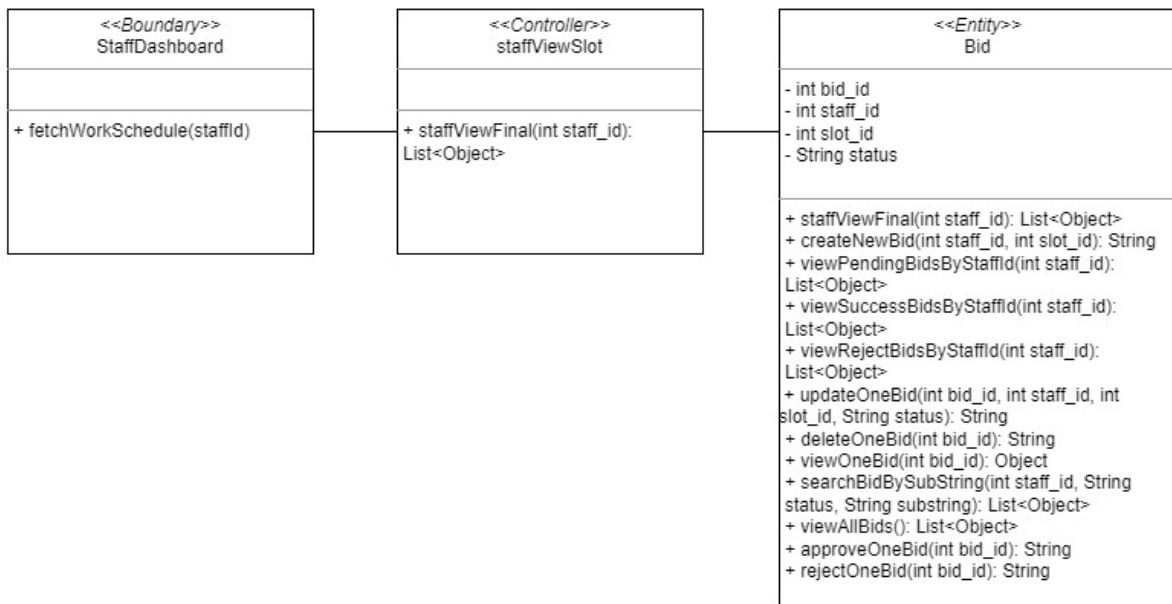
Date	Shift Time	Profile	Name	Status	
03/12/23	9AM-1PM	Cafe Staff(cashier)	César Bernardes	Pending	<span style="border: 1px solid #ccc; padding: 2px;">...</span> <div style="border: 1px solid #ccc; padding: 2px; margin-top: 5px; display: inline-block; vertical-align: middle;"> <span style="color: green;">Approve</span>   <span style="color: red;">Reject</span> </div>

Reject Pending Bid (Cafe Manager)		User story 22			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC067	Cafe manager tries to reject pending bid	Click the “Manage Bids” button at the “ManagerDashboard” page  Click specific work slot under “Select Work Slot” drop-down list  Click “meatball” icon beside the bid request  Click “Reject” option on the pop-up menu	System change the bid status to “Rejected” and display “Reject bid Id: 234 successful “	System change the bid status to “Rejected” and display “Reject bid Id: 234 successful “	PASS

## User Story #27

<b>Name:</b> View Work Slots	ID: 27
<b>Stakeholders and goals:</b> Cafe Staff - wants to view work slots	
<b>Description:</b> Cafe Staff wants to view work slots occupied	
<b>Actors:</b> Cafe Staff	
<b>Precondition:</b> None	
<b>Trigger:</b> Cafe Staff clicks login button at login page	
<b>Normal flow:</b>	
1. Upon Successful Login, the system retrieves and displays the work slots. 2. Cafe staff view the work slots. 3. End	
<b>Sub-flows:</b> None	
<b>Alternative/Exceptional flows:</b> None	

## User Story # 27 Cafe Staff view work slot.



## User Story #27 View Work Slots

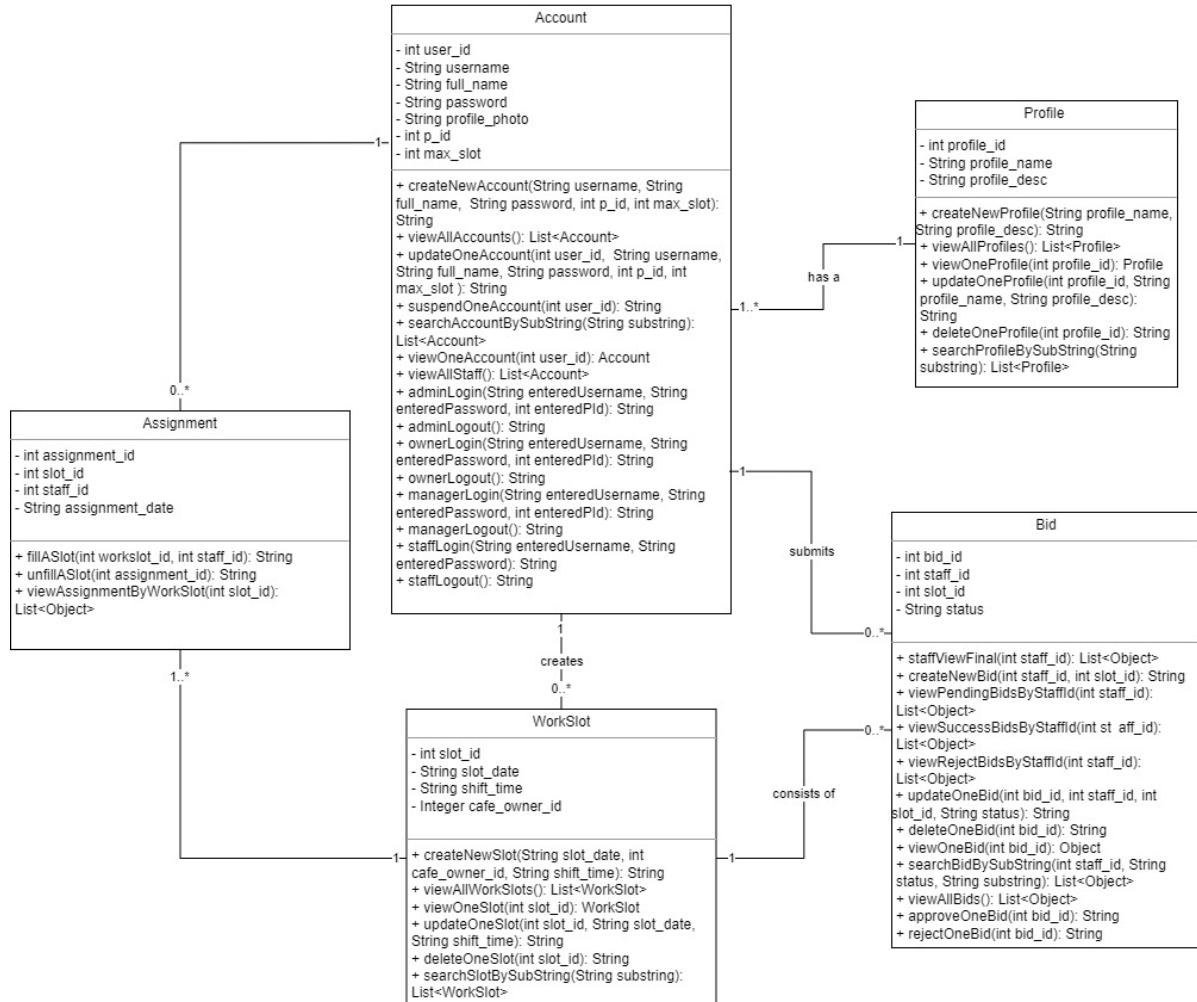
### Your Finalized Work Schedule

Day	Date	Shift
Tuesday	05/12/23	9AM-1PM
Wednesday	13/12/23	1PM-5PM
Friday	01/12/23	9AM-1PM
Monday	04/12/23	9AM-1PM

View Work Slots (Cafe staff)		User story 27			
Test Case ID	Test Case Description	Test steps	Expected Results	Actual Result	Status
TC044	Cafe staff tries to view work slots	Click the “Login” button	Work slots detail for cafe staff displayed	Work slots detail for cafe staff displayed	PASS

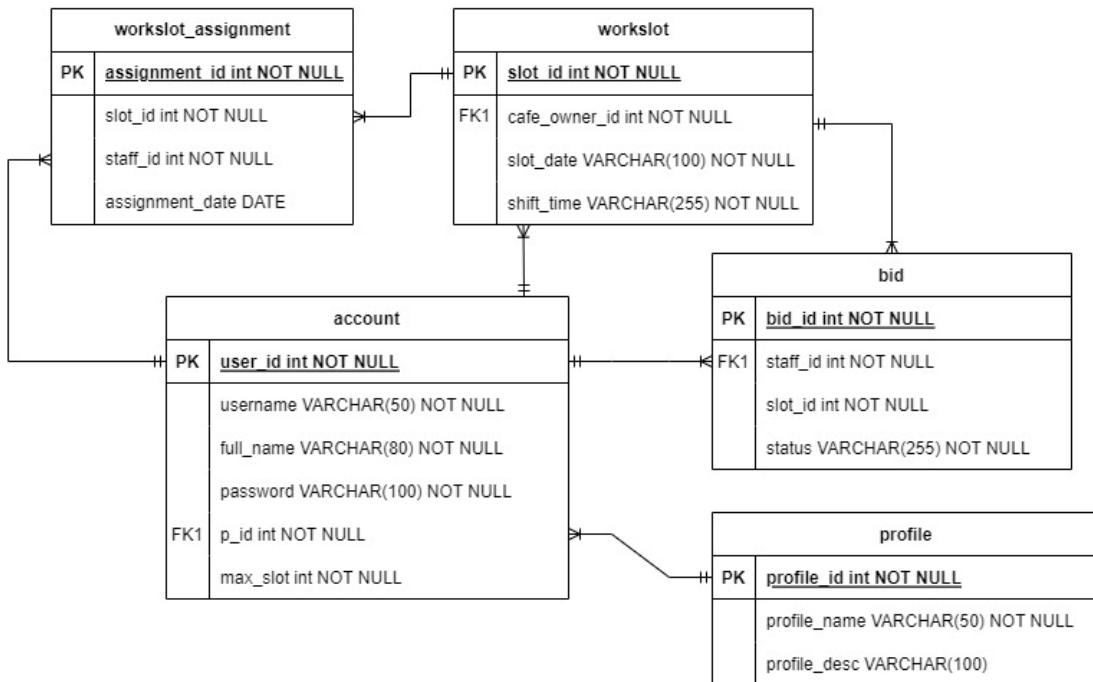
# Class Diagram

SPRINT 4



# Data Persistence Diagram

SPRINT 4



# Taiga Progress

## User Story #16 View Staff List

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #16 As a cafe manager, I want to view the cafe staff list so that I can have an overview of the current manpower distribution and the maximum work slots for the respective cafe staff.</p> <p>N/E NEW</p>				<p>#510 Use Case Diagram 🕒</p> <p>#511 Use Case Description 🕒</p> <p>#512 BCE Diagram 🕒</p> <p>#513 Sequence Diagram 🕒</p> <p>#514 Class Diagram 🕒</p> <p>#515 Wireframe for Development 🕒</p> <p>#516 Back End Development 🕒</p> <p>#517 Front End Development 🕒</p> <p>#518 Codes Integration 🕒</p> <p>#519 Test Plan &amp; Test Cases 🕒</p> <p>#520 Documentation Work 🕒</p>	

## User Story #17 View Staff Bids

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #17 As a cafe manager, I want to view bids from the cafe staff so that I can see the staff's preference for a work slot.</p> <p>N/E NEW</p>				<p>#520 Test Plan &amp; Test Cases 🕒</p> <p>#522 Use Case Description 🕒</p> <p>#524 Sequence Diagram 🕒</p> <p>#523 BCE Diagram 🕒</p> <p>#525 Class Diagram 🕒</p> <p>#526 Wireframe for Development 🕒</p> <p>#527 Back End Development 🕒</p> <p>#528 Front End Development 🕒</p> <p>#529 Codes Integration 🕒</p> <p>#531 Documentation Work 🕒</p> <p>#521 Use Case Diagram 🕒</p>	

## User Story #18 View Work Slot Details

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #18 As a cafe manager, I want to view work slot detail so that I can have an overview of the respective staffing status.</p> <p>(N/E) NEW</p>				<p>#532 Use Case Diagram 🕒</p> <p>#533 Use Case Description 🕒</p> <p>#534 BCE Diagram 🕒</p> <p>#535 Sequence Diagram 🕒</p> <p>#536 Class Diagram 🕒</p> <p>#537 Wireframe for Development 🕒</p> <p>#538 Back End Development 🕒</p> <p>#539 Front End Development 🕒</p> <p>#540 Codes Integration 🕒</p> <p>#541 Test Plan &amp; Test Cases 🕒</p> <p>#542 Documentation Work 🕒</p>	

## User Story #19 Assign Staff

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #19 As a cafe manager, I want to assign cafe staff to unfilled roles so that all work slots are occupied.</p> <p>(N/E) NEW</p>				<p>#543 Use Case Diagram 🕒</p> <p>#544 Use Case Description 🕒</p> <p>#545 BCE Diagram 🕒</p> <p>#546 Sequence Diagram 🕒</p> <p>#547 Class Diagram 🕒</p> <p>#548 Wireframe for Development 🕒</p> <p>#549 Back End Development 🕒</p> <p>#550 Front End Development 🕒</p> <p>#551 Codes Integration 🕒</p> <p>#552 Test Plan &amp; Test Cases 🕒</p> <p>#553 Documentation Work 🕒</p>	

## User Story #20 Unassign Staff

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #20 As a cafe manager, I want to unassign staff from a work slot so that I can adjust the manpower distribution.</p> <p>N/E</p>	NEW			<p>#554 Use Case Diagram</p> <p>#555 Use Case Description</p> <p>#556 BCE Diagram</p> <p>#557 Sequence Diagram</p> <p>#558 Class Diagram</p> <p>#559 Wireframe for Development</p> <p>#560 Back End Development</p> <p>#561 Front End Development</p> <p>#562 Codes Integration</p> <p>#563 Test Plan &amp; Test Cases</p> <p>#564 Documentation Work</p>	

## User Story #21 Approve Pending Bid

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #21 As a cafe manager, I want to approve pending bids for work slots so that manpower is adequate for the respective work slots.</p> <p>N/E</p>	NEW			<p>#565 Use Case Diagram</p> <p>#566 Use Case Description</p> <p>#568 Sequence Diagram</p> <p>#569 Class Diagram</p> <p>#570 BCE Diagram</p> <p>#570 Wireframe for Development</p> <p>#571 Back End Development</p> <p>#572 Front End Development</p> <p>#573 Codes Integration</p> <p>#574 Test Plan &amp; Test Cases</p> <p>#575 Documentation Work</p>	

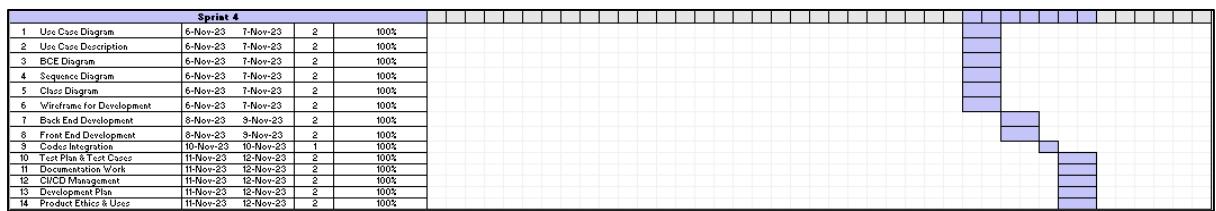
## User Story #22 Reject Pending Bid

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #22 As a cafe manager, I want to reject pending bids for work slots so that the cafe staff can bid for other work slots.</p> <p>N/E</p>				<p>#576 Use Case Diagram</p> <p>#577 Use Case Description</p> <p>#578 BCE Diagram</p> <p>#579 Sequence Diagram</p> <p>#580 Class Diagram</p> <p>#583 Front End Development</p> <p>#585 Test Plan &amp; Test Cases</p> <p>#586 Documentation Work</p> <p>#581 Wireframe for Development</p> <p>#582 Back End Development</p> <p>#584 Codes Integration</p>	

## User Story #27 View Work Slots

USER STORY	NEW	IN PROGRESS	READY FOR TEST	CLOSED	NEEDS INFO
<p>^ #27 As a cafe staff, I want to view the work slots occupied by myself, so I know when I need to work.</p> <p>N/E</p> <p>DONE</p>				<p>#587 Use Case Diagram</p> <p>#588 Use Case Description</p> <p>#589 BCE Diagram</p> <p>Not assigned</p> <p>#590 Sequence Diagram</p> <p>#591 Class Diagram</p> <p>#592 Wireframe for Development</p> <p>#593 Back End Development</p> <p>#594 Front End Development</p> <p>#595 Codes Integration</p> <p>#596 Test Plan &amp; Test Cases</p> <p>#597 Documentation Work</p> <p>Not assigned</p>	

## Gantt Chart



# Meeting Number 10

## Meeting Details

Project Name	Cafe Management
Current Sprint Status	Sprint 4 Review
Meeting Number	10
Date & Time	12-11-2023, 2100-2300
Location	Discord Online
Meeting Objective	Review on completed sprint 4 product
Attendance	All Members

## Discussion Topic

No.	Meeting Agenda
1.	<b>Review Sprint 3 Product &amp; Development</b> <ul style="list-style-type: none"><li>- Final Test Session on Sprint 4 Product to ensure codes are working well.</li><li>- Final Check on Completed Documentation<ul style="list-style-type: none"><li>o Use Case Diagram</li><li>o Use Case Description</li><li>o BCE Diagram</li><li>o Sequence Diagram</li><li>o Class Diagram</li><li>o Wireframe for Development</li><li>o Test Plan &amp; Test Cases</li><li>o Ethical Consideration</li><li>o Data-Driven Development Plan</li><li>o Test-Driven Development Plan</li></ul></li><li>- Final Check on Sprint 4 Codes<ul style="list-style-type: none"><li>o Back End Development</li><li>o Front End Development</li><li>o Codes Integration + Database</li></ul></li><li>- Provide Sprint 4 Update on Taiga</li><li>- Finalize Gantt Chart for respective sprint.</li></ul>

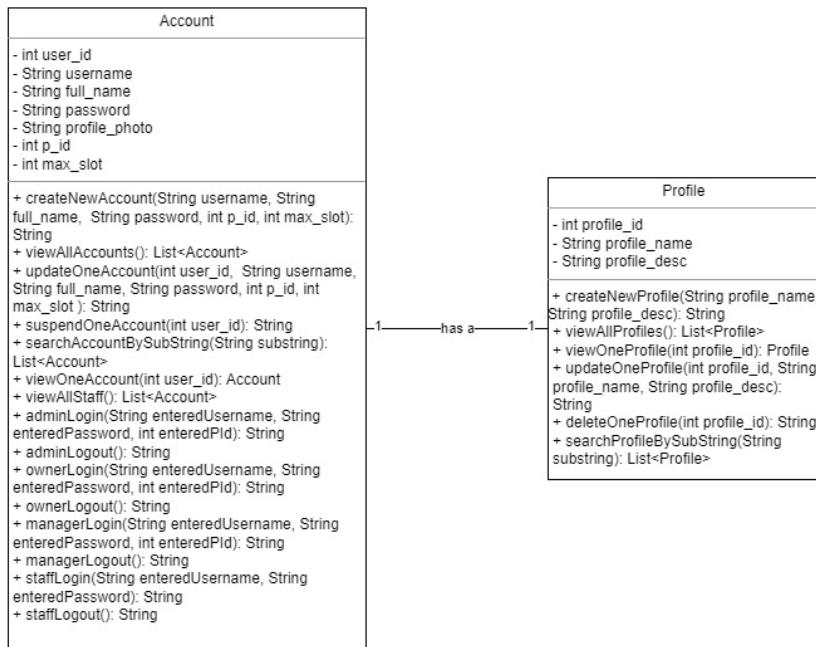
## Team Organization

1. Documentation Team: Lee Kuok Wei & Ben Lee
2. Front-End Team: Cressensia & Jim Low
3. Back-End Team: Zhang Boyu & Tan Jing Zhi

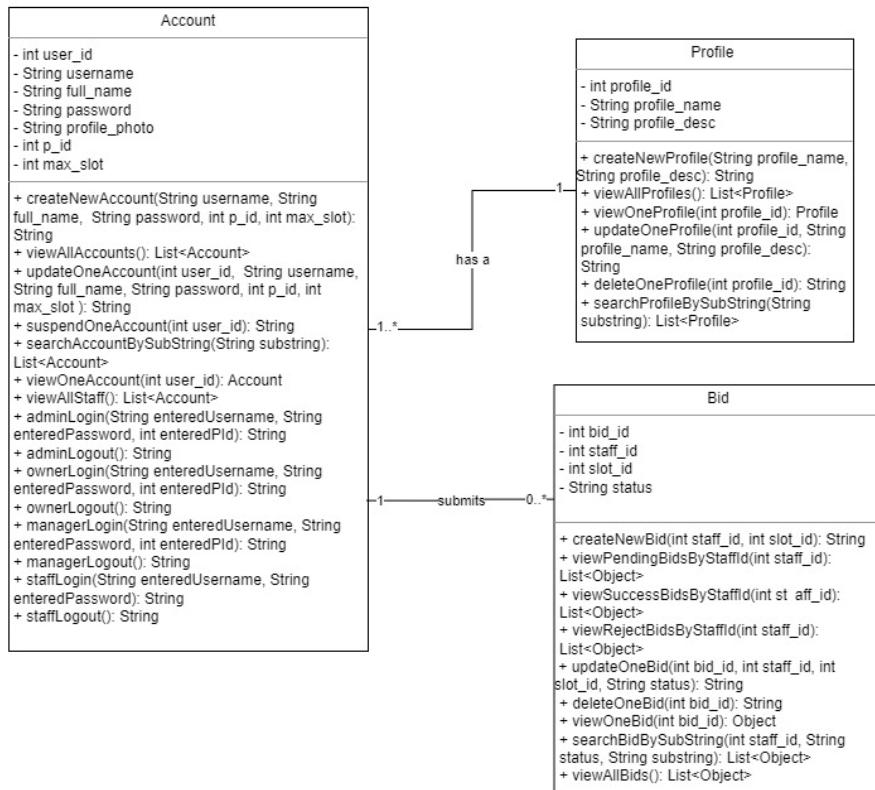
# Overall Diagram & Chart

## Class Diagram

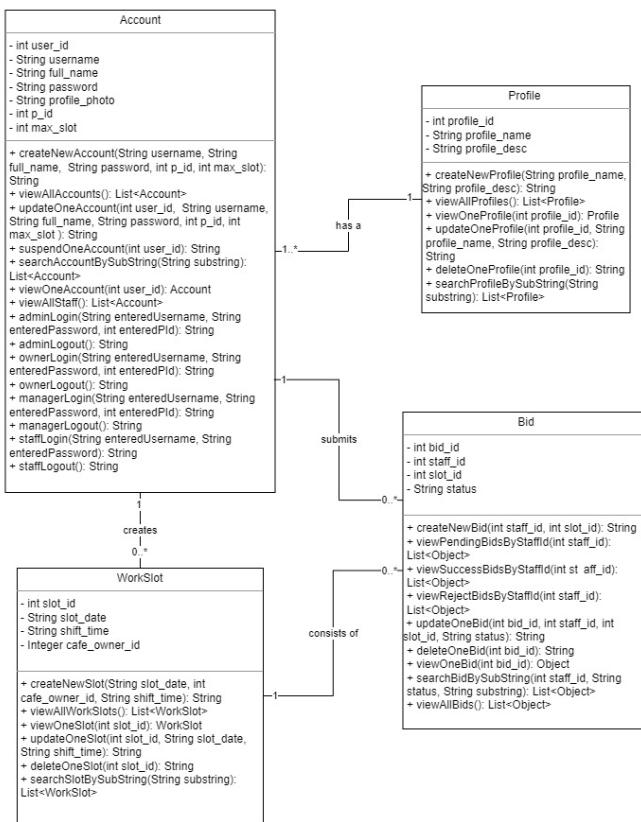
SPRINT 1



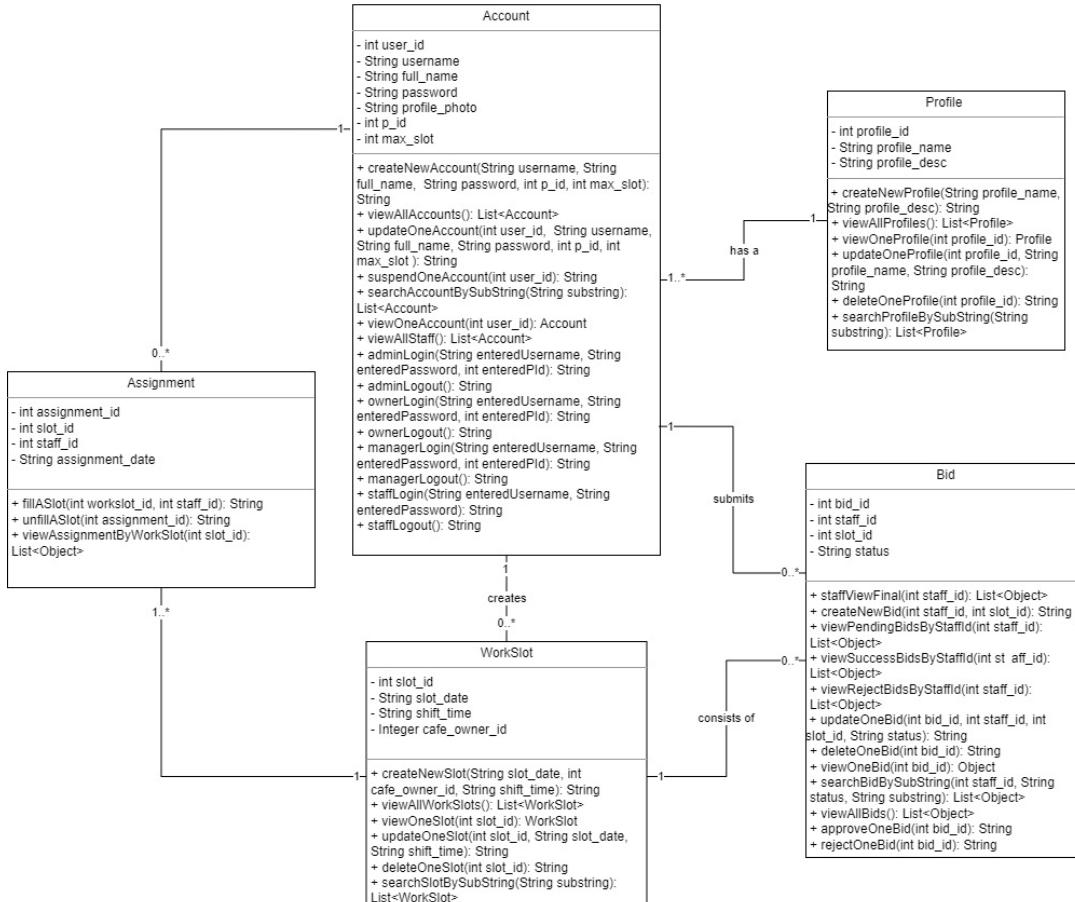
SPRINT 2



SPRINT 3

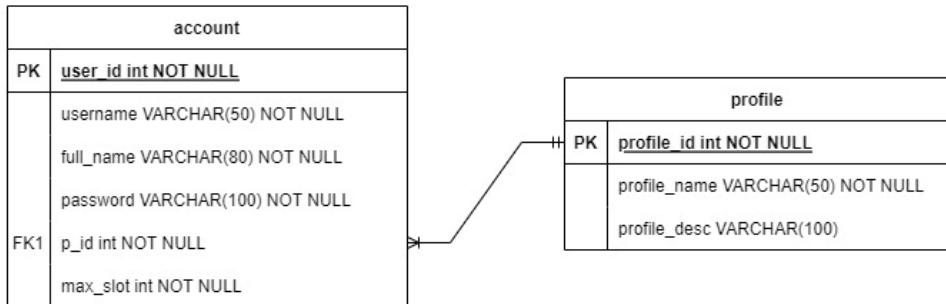


SPRINT 4

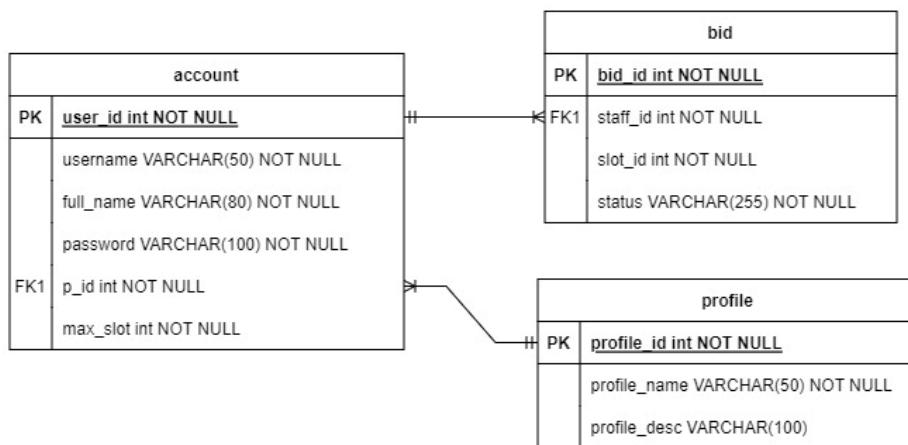


# Data Persistence Diagram

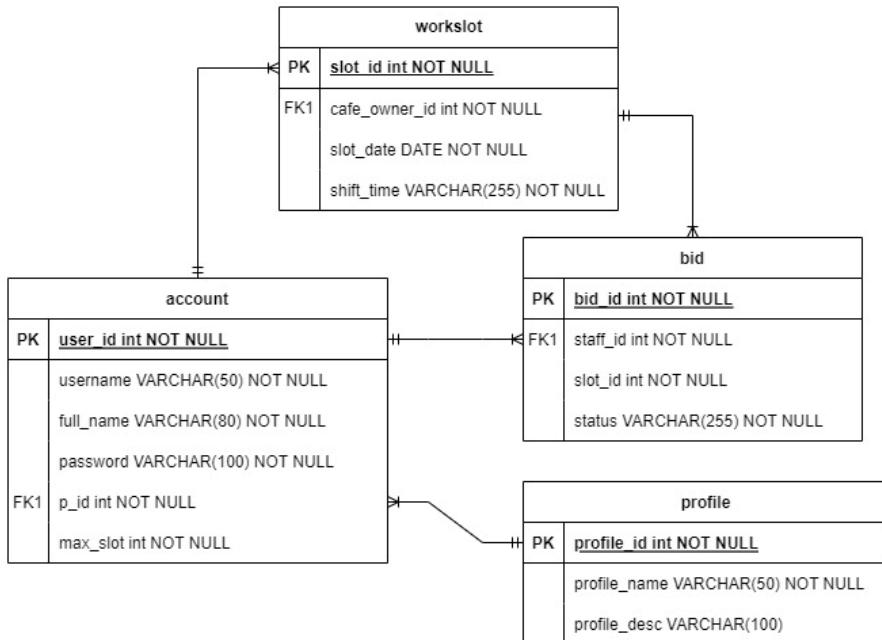
SPRINT 1



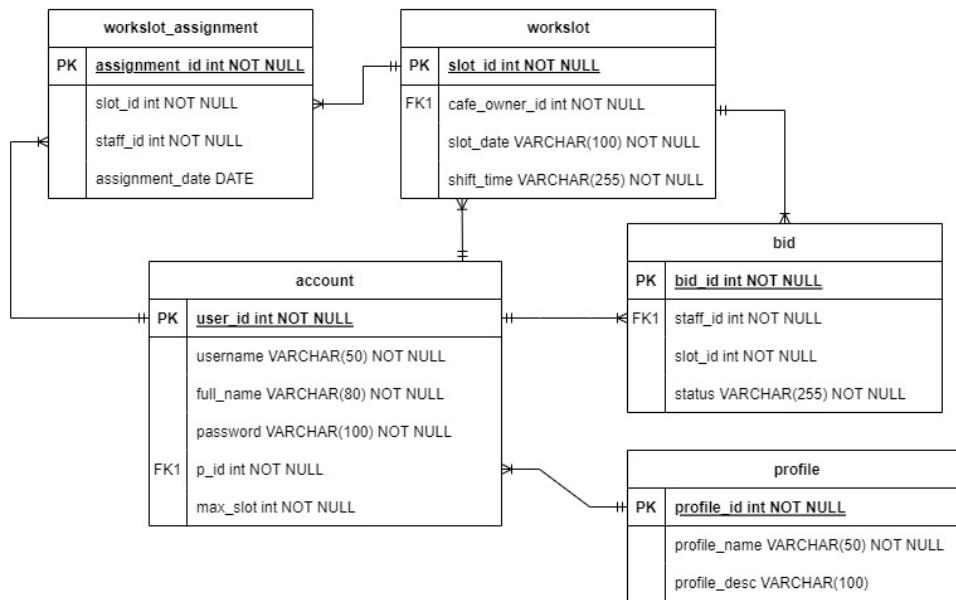
SPRINT 2



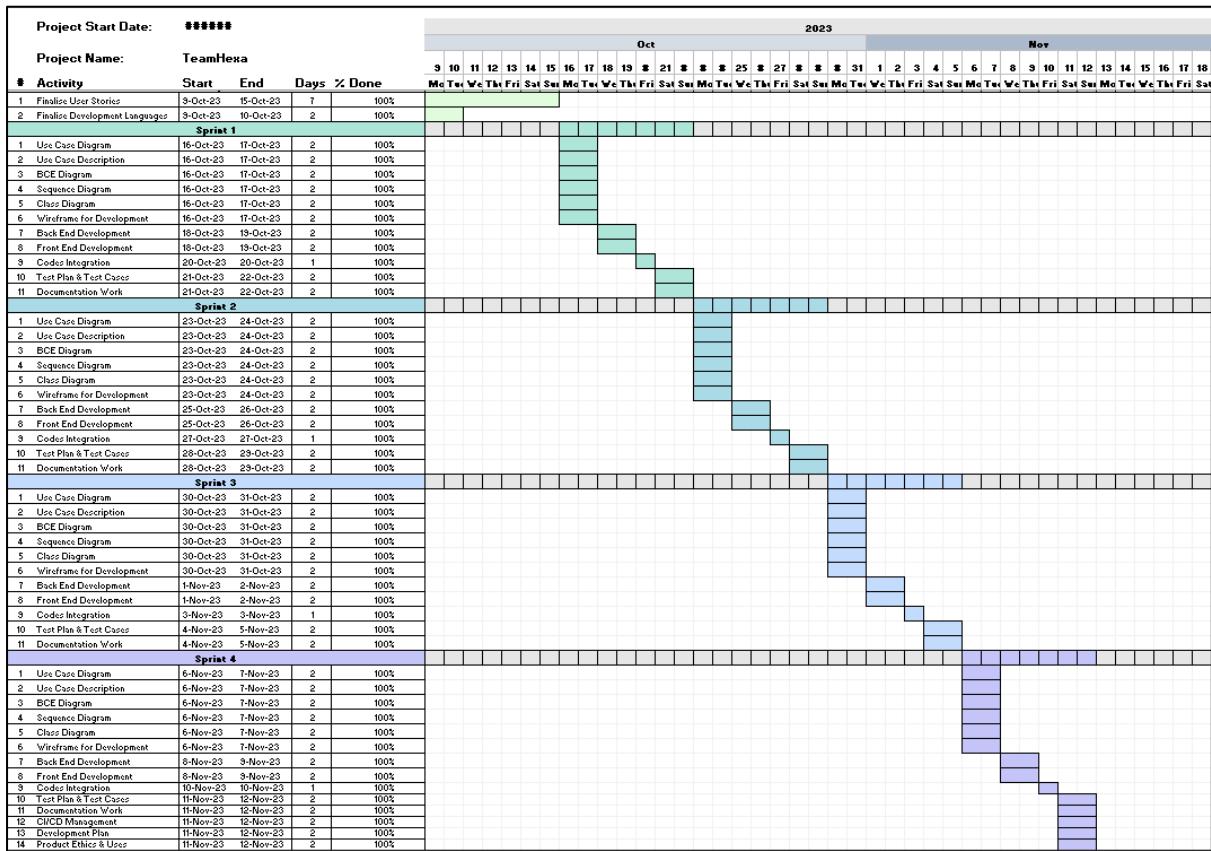
SPRINT 3



SPRINT 4



# Gantt Chart (Whole Development)



# Continuous Integration & Continuous Development (CI/CD)

## User Story

#1 As a System Admin, I want to create a user account so that the user can start using the system.

Image 1 & 2:

- Initial push to default backend branch for the “UserController” class with the “addUser” function.
- Initial push to default backend branch for the User Entity class.

Current repository: CSIT314  
Current branch: frontend  
Pull origin: Last fetched 4 minutes ago

Changes: 300+ History

first push with CRUDs

zbyNokin -> ace8786d ± 20 changed files +1116 -0 ↗

```
10 +
11 +     @RestController
12 +     public class UserController {
13 +
14 +         @Autowired
15 +         private UserService service;
16 +         @GetMapping(EndPointsList.getAllUser)
17 +         public List<User> findAllUsers(){
18 +             return service.getUsers();
19 +         }
20 +
21 +         @GetMapping(EndPointsList.getUserById)
22 +         public User findUserById(@PathVariable int id){
23 +             return service.getUserById(id);
24 +
25 +         }
26 +         @PostMapping(EndPointsList.createUser)
27 +         public User addUser(@RequestBody User user) {
28 +             return service.saveUser(user);
29 +
30 +         }
31 +         @PutMapping(EndPointsList.updateUser)
32 +         public User updateUser(@PathVariable int id, @RequestBody
33 +             User user) {
34 +             return service.updateUser(id, user);
35 +         }
36 +         @DeleteMapping(EndPointsList.deleteUser)
37 +         public String deleteUser(@PathVariable int id) {
38 +             return service.deleteUser(id);
39 +         }
40 +     }
```

SA Account page integrated, view singl...  
integration for SearchProfileAdmin(get...  
frontend codes only  
frontend updates  
Added missing public folder  
updated frontend sprint 1  
frontend initial push  
QueryDSL added, Error exceptions han...  
First commit on BE  
first push with CRUDs

Current repository: CSIT314  
Current branch: frontend  
Pull origin: Last fetched 9 minutes ago

Changes: 300+ History

first push with CRUDs

zbyNokin -> ace8786d ± 20 changed files +1116 -0 ↗

```
1 + package com.teamhexa.csit314.entity;
2 +
3 + import lombok.AllArgsConstructor;
4 + import lombok.Data;
5 + import lombok.NoArgsConstructor;
6 +
7 + import jakarta.persistence.*;
8 +
9 + @Data
10 + @AllArgsConstructor
11 + @NoArgsConstructor
12 + @Entity
13 + @Table(name = "USER")
14 + public class User {
15 +     @Id
16 +     @GeneratedValue(strategy = GenerationType.IDENTITY)
17 +     private int user_id;
18 +     private String user_name;
19 +     private String first_name;
20 +     private String last_name;
21 +     private String password;
22 +     private String profile_photo;
23 +     private String profile_id;
24 + }
```

SA Account page integrated, view singl...  
integration for SearchProfileAdmin(get...  
frontend codes only  
frontend updates  
Added missing public folder  
updated frontend sprint 1  
frontend initial push  
QueryDSL added, Error exceptions han...  
First commit on BE  
first push with CRUDs

Image 3:

Created new frontend branch from the default backend branch.

Initial push of frontend code for Create Account Page for System Admin.

The screenshot shows a GitHub desktop interface with the following details:

- Current repository:** CSIT314
- Current branch:** frontend
- Pull origin:** Last fetched 6 minutes ago
- Commit:** GuiltySY -> fbc42510 ± 16 changed files +18731 -0
- Title:** frontend initial push
- File Changes:** README.md, package-lock.json, package.json, src/app.js, src\components\CreateAccount\admin.css, src\components\CreateAccount\admin.jsx (highlighted with a red box), src\components>LoginAccount.css, src\components>LoginAccount.jsx, src\components\NavEmpty.css, src\components\NavEmpty.jsx, src\components\NavbarSystemAdmin.css, src\components\NavbarSystemAdmin.jsx, src\images\logo.png, src\images\profile.png, src\index.css, src\index.jsx
- Code Preview:** A snippet of the src\components\CreateAccount\admin.jsx file is shown, containing a function CreateAccount() which renders a welcome message and a menu button.

Image 4:

Updated frontend code with the modal containing the form for System Admin to Create Account.

The screenshot shows a GitHub desktop interface with the following details:

- Current repository:** CSIT314
- Current branch:** frontend
- Pull origin:** Last fetched 7 minutes ago
- Commit:** GuiltySY -> 3797e750 ± 18 changed files +796 -47
- Title:** updated frontend sprint 1
- File Changes:** src\components\AdminDashboard.jsx, src\components\CreateAccount\admin.jsx, src\components>LoginAccount.jsx, src\components\SearchAccountAdmin.css, src\components\SearchProfileAdmin.css, src\components\SearchProfileAdmin.jsx, src\components\ModalCreateAccountAdmin.jsx (highlighted with a red box), src\components\ModalDeleteProfileAdmin.jsx, src\components\ModalUpdateProfileAdmin.jsx, src\components\ModalViewProfileAdmin.jsx, src\com\_pty.css → src\com\_pty.css, src\com\_pty.jsx → src\com\_pty.jsx, src\com\_min.css → src\com\_min.css, src\com\_min.jsx → src\com\_min.jsx
- Code Preview:** A snippet of the src\components\ModalCreateAccountAdmin.jsx file is shown, containing a function ModalCreateAccountAdmin() which uses useState and useEffect hooks to handle account creation logic.

Image 5:

- After consultation with tutor, there were changes to be made regarding the structure of the backend code.
- Created new backend-remastered branch from backend branch.
- Initial push of Account Entity Class.

A screenshot of the GitHub desktop application interface. The top bar shows 'File', 'Edit', 'View', 'Repository', 'Branch', and 'Help'. The 'Branch' dropdown is set to 'backend-remastered'. The main area has tabs for 'Changes' and 'History'. The 'Changes' tab is selected, showing a list of commits. The first commit, 'initial push' by zbyNokin, is highlighted with a red box. It shows changes to '.gitignore', 'src\entity\Account.java', and 'src>Main.java'. The 'src\entity\Account.java' file is expanded, showing the following code:

```
@@ -0,0 +1,119 @@
+ package Entity;
+
+ import java.sql.Connection;
+ import java.sql.DriverManager;
+ import java.sql.ResultSet;
+ import java.sql.Statement;
+ import java.util.ArrayList;
+ import java.util.List;
+
+ public class Account {
+     private int user_id;
+     private String username;
+     private String full_name;
+     private String password;
+     private String profile_photo;
+     private int p_id;
+     private int max_slot;
+
+     // Getter for user_id
+     public int getUser_id() {
+         return user_id;
+     }
+
+     // Setter for user_id
+     public void setUser_id(int user_id) {
```

Image 6:

Updated backend code with Create Account Controller class

A screenshot of the GitHub desktop application interface, similar to Image 5. The 'Branch' dropdown is still set to 'backend-remastered'. The 'Changes' tab is selected, showing a list of commits. A commit 'createAccount' by zbyNokin is highlighted with a red box. It shows changes to 'src\Controller\createAccount.java', 'src\Controller\viewAccount.java', 'src\Entity\Account.java', and 'src>Main.java'. The 'src\Controller\createAccount.java' file is expanded, showing the following code:

```
@@ -0,0 +1,11 @@
+ package Controller;
+
+ import Entity.Account;
+
+ public class createAccount {
+     public static String createNewAccount(String username,
+                                         String full_name,
+                                         String password,
+                                         String profile_photo,
+                                         int p_id,
+                                         int max_slot){
+         String result = Account.createAccount(username, ful
+         l_name, password, profile_photo, p_id, max_slot);
+         System.out.println(result);
+         return result;
+     }
+ }
```

This shows continuous integration and deployment of code via GitHub as the members are able to update on the latest code whenever they have made any changes.

# Data-Driven Development Strategy

FOCUS: Staff Assignment by Manager

## Introduction

In the context of our project, data-driven development technology encompasses the utilization of software development data to extract insights and construct tools that cater to the needs of users within the café management system. This discussion will centre on the potential development of staff assignments managed by cafe supervisors.

## Model Requirement

While the current existing product allows the manager to assign staff manually to the respective work slots, the assignment of staffs can be further improved to support the business operation. For instance, the business may experience peak hours which require more staffing to reduce possible bottlenecks in servicing the customers. A potential resolution involves devising an automated system that assigns staff members to work slots automatically, ensuring that the workforce is both sufficient and suitable for the specific demands of each work slot. To implement this, data on the customers must be collected, which will be further mentioned in the next stage.

## Data Collection

To facilitate the implementation of supervised machine learning, it is essential to gather an ample amount of data. For the training set, this data can be sourced from well-performing cafes with minimal customer wait times. The collection process should meticulously ensure that the dataset is both representative and diverse, preventing the development of biased models.

Examples of data to be collected in the training set include:

- Day of the Week
- Work Shift of the Day
- Number of Customers
- Number of Waitresses
- Time Taken for Food to be Served from the Kitchen
- Number of Chefs
- Time Taken for Food to be Served in the Kitchen
- Number of Cashiers
- Time Taken for Bills to be Paid

Regarding the test set, similar data can be obtained through the observation of surveillance cameras in cafe that is utilizing the café management system.

## Data Cleaning

After consolidating a substantial amount of data, it is crucial to eliminate inaccurate or noisy records. This process can be accomplished by interpreting diagrams to identify and remove outliers. Data cleaning also encompasses the management of missing values and the resolution of duplicate entries.

## Data Labelling

Data labelling entails choosing the relevant data of interest as the ground truth label. For instance, if the objective is to ascertain the optimal number of cafe staff waitresses for different time slots, then the data pertaining to the "Number of Waitresses" would be designated as the ground truth label, also recognized as the target variable.

## Feature Engineering

Feature Engineering involves the selection of useful features from the dataset that can significantly contribute to uncovering information about the ground truth label through machine learning. This is achieved by selecting a target variable (e.g., Number of Chefs/Waitresses/Cashiers) and examining the correlations of features with the target variable using the correlation method. Employing this correlation method enables the selection of features that exhibit higher correlations with the ground truth label for subsequent model training.

## Model Training

Model Training is a fundamental process in machine learning during which a model acquires the ability to make predictions or execute a task through exposure to a dataset. Considering the characteristics of our dataset, it is crucial to select a supervised machine learning model capable of effectively handling multi-class classification problems. Examples of such models include Support Vector Machines (SVM) and Decision Tree Models.

Upon completing the training of the chosen model with the training dataset, the now-trained model can be employed to conduct multi-classification on the test set.

## Model Evaluation

After completing the classification on the test set, it is crucial to review the results by invoking the method to display classification outcomes. These results can be interpreted through metrics such as precision, accuracy, recall, and the F1 score.

## Model Deployment

After the model has been trained to identify the demand for different numbers of staff members during various work slots, it can now be deployed and integrated with the café management system.

## **Model Monitoring**

Lastly, it is crucial to assess the performance of this automation system to determine whether it can genuinely enhance the productivity of the manager, or if additional training will be necessary.

# Test-Driven Development Plan

JUnit testing is implemented to ensure that the methods in sprint 3 are functional.

```
C:\JUnit\T05TeamHexa>dir
Volume in drive C is OS
Volume Serial Number is DCC4-20EB

Directory of C:\JUnit\T05TeamHexa

16/11/2023 07:45 PM    <DIR>          .
16/11/2023 07:45 PM    <DIR>          ..
16/11/2023 07:45 PM           8,570 WorkSlot.class
16/11/2023 07:50 PM           7,306 WorkSlot.java
16/11/2023 07:45 PM           13,890 WorkSlotTest.class
16/11/2023 07:53 PM           10,275 WorkSlotTest.java
16/11/2023 07:45 PM           2,301 TestRunner.class
16/11/2023 07:53 PM           701 TestRunner.java
               6 File(s)      43,043 bytes
               2 Dirs)   10,737,418,240 bytes free

C:\JUnit\T05TeamHexa>javac WorkSlot.java

C:\JUnit\T05TeamHexa>java TestRunner
Is the test successful?: true

C:\JUnit\T05TeamHexa>
```

# Ethical Consideration

In developing the Cafe Staff Management System, we believe it is extremely important to address relevant ethical considerations so that the system can operate responsibly, fairly, and transparently.

## Product

### Privacy and Security

First and foremost, it is important to protect the privacy of all users of the Cafe Staff Management System, including the System Admin, Cafe Owner, Cafe Manager, and Cafe Staff. All personal information and work slots data must be securely stored and only used for the intended purpose.

Furthermore, users can only access different Cafe Staff Management System functions based on their user account type when they log into their accounts. This ensures that only relevant and authorized users are allowed to access specific information and functions to prevent the invasion of privacy. For instance, the Cafe Owner can only login into the Cafe Owner account and access specific functions such as creating work slots. Attempting to login to a staff account using the Cafe Owner's credentials will result in an error.

### Fairness and inclusiveness

As part of the Cafe Staff Management System implementation, we ensure that it is not discriminatory against any individual or group due to factors such as race, gender, disability, or other discriminating factors. To avoid discriminatory work assignment, users' race or religion is not included in their account information to avoid discriminatory practices. Furthermore, this system is open for use by anyone, irrespective of any previously mentioned discriminatory factors, thus ensuring fairness and non-discrimination towards all interest groups. In doing so, we configure the system to foster both equality and diversity for the staff.

## Process

### Accountability

In the beginning of the project, clear roles and responsibilities are defined. No matter what part of the team a member is working on, whether it is system architecture, user interface, or backend development, they all have clearly defined responsibilities. Also, the team held regular team meetings to provide progress updates, resolve issues, and foster a sense of accountability among the team members. To ensure everyone is aligned, team members share what they have accomplished and what they are working on now. Additionally, the team used Taiga to assign tasks to individual team members. By clearly assigning responsibilities, team members know what is expected of them, fostering individual accountability.

### Fairness and inclusiveness

Throughout the project, transparency and inclusivity should be ensured in communication. It is important to encourage team members to express their ideas, concerns, and feedback openly. Also, by creating clear channels for communication, such as regular team meetings, we can create an environment where everyone feels heard and understood. Also the team recognizes and values the different skills and strengths that each team member brings to our projects. We should make sure that everyone's contributions are acknowledged and appreciated, no matter their role or background. This way, we create an inclusive and supportive environment where everyone feels important and valued.