



<b>Module</b>	<b>Portfolio</b>	<b>Assessment Type</b>
Collaborative Development (5CS024)	2	Individual Report

# Restaurant Management System

## Project Manager

Student Id : 2329810

Student Name : Ananda Neupane

Section : L5CG2

Group : L5CG2 Group A

Module Leader : Biraj Dulal

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## Acknowledgement

I am profoundly thankful to my college for the opportunity to engage in this collaborative team project, which has been instrumental in fostering my personal and professional growth. I want to express my sincere gratitude to my mentors for their steadfast encouragement and expert guidance, which played a crucial role in helping us navigate through the project's complexities effectively.

Furthermore, I want to extend my heartfelt appreciation to my committed team members, whose collective efforts, diverse perspectives, and unwavering dedication were indispensable in accomplishing our project objectives. Their collaborative approach exemplifies the essence of effective teamwork and project management, demonstrating how a cohesive team can surmount challenges and achieve success.

I feel truly privileged to have collaborated with such a dedicated team and to have received the continuous support of my college and mentors throughout this invaluable learning experience.

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## 1. Self-appraisal form

Student number	2329810	Name	Ananda Neupane
Project	Restaurant Management System	Date	18th May, 2024
Role	Project Manager	Team	L5CG2 [Group A]
Sprint (1 or 2)	2		

Personal objectives – performance measurement

Objectives	Evidence provided <i>(E.g. appendix A, file name etc.)</i>	Evaluation <i>Student / tutor</i>
Project and People Management	<p>As a student taking on the role of project manager, I faced significant challenges but managed them effectively. Collaborating with my new friends in the team was initially challenging, yet everyone's efforts were impressive. We worked hard, supported each other, and overcame hurdles together. I've uploaded images from Jira to clarify the project and task division.</p> <p>More proof can be seen here: Appendix A(<a href="#">Link</a>)</p>	

*Tutor feedback:*

Client Presentation	<p>Client presentation was an easy task to perform as we got our presentation slides ready and as every task was tested already. The demo was also smooth, almost every criteria were covered and some additional feedback was received and we resolved them asap. The working was really smooth and presentation went very well, everyone have appreciated our tasks.</p> <p>More proof can be seen here: Appendix A(<a href="#">Link</a>)</p>	
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*Tutor feedback:*

## 2. Collaboration Document

Good communication and file sharing

The key factor that made this journey successful was communication. In order to perform official communication, we have set up a Google Space room called Hospitality Hub, where we share files and announce the start and completion of projects as well as any bugs and completed tasks that have been properly code reviewed. Furthermore, we were using other alternatives for informal chat to facilitate some intergroup discussion.

More proof can be seen here: Appendix B ([Link](#))

Continuing Personal Development (CPD)

Going through the work of project manager in this collaborative work journey was filled with many hurdles. Specifically, with new friends working collaboratively way very challenging. Everyone's ideas were different and to make this work, we have to manage different risks. Personally, I browse through different websites and online courses and youtube channels to enhance my managing skills

More proof can be seen here: Appendix B ([Link](#))

Issue tracking

The basic fundamental of project completion is issue tracking. Running with working of code, it is compulsory that you review and trace the working. We handle this work by doing regular testing where we pre described the test cases, and the issues or bugs we encountered was noted down. Then the developer use to resolve the issue within themselves. Generally, most of the issue was resolved within the developers and during testing only few minor issues were encountered.

More proof can be seen here: Appendix B ([Link](#))

### Working on Deadlines

This was the most difficult task i find to manage during my journey as project manager. Firstly, I don't want to comment only on developers perspective but I feel it was our mistake to correctly estimate the story points for task. We were predicting less time for hard tasks and developer were hasting just to complete the tasks and many issue were arising.

More proof can be seen here: Appendix B ([Link](#))

## Appendix A

### 3. Project and people management

Project managers play a crucial role in ensuring the success of a project, but this success is heavily reliant on effective people management. While project managers focus on vital project elements like time, tasks, and resources, they must also prioritise understanding and collaborating with their team members. People management encompasses empathy, clear communication, active listening, and creative problem-solving. Empathy allows managers to understand their team's perspectives, challenges, and motivations. Clear communication ensures that information is conveyed effectively and tasks are understood. Active listening shows that team members are valued and heard. Creative problem-solving helps address unique employee needs and challenges. Understanding human behaviour's complexity, influenced by various factors like family, culture, and beliefs, is essential for effective people management. Ultimately, successful project outcomes rely not just on technical skills but also on nurturing a high-performing and cohesive team through strong people management practices. (Anon., 2023)

#### 1. Jira

Our team has been using a project management tool called jira, to trace our

project	progress.
<b>Sprints</b>	
>  SCRUM-7 Login and Sign up	DONE
>  SCRUM-5 Dashboard details	DONE
>  SCRUM-3 Order for dine-in	DONE
>  SCRUM-4 Pre-order foods for reservation.	DONE
SCRUM-46 When a customer books a table, it does not appear on the staff side	DONE
SCRUM-18 As a customer, I want to pre-order my meal online for future dining experience a...	DONE
>  SCRUM-20 Takeaway	DONE
SCRUM-22 As a staff member, I want to efficiently manage takeaway orders made by custo...	DONE
SCRUM-24 As a customer, I want to easily place a takeaway order from the restaurant for co...	DONE
SCRUM-48 Incorrect Date Selection Capability in Takeaway Orders.	DONE
SCRUM-49 Unlimited Food Item Selection in Takeaway Orders	DONE
>  SCRUM-6 Manage staff	DONE
SCRUM-47 As an admin, I want to be able to add and remove staff members easily.	DONE

Figure 1: Jira 01

SCRUM-4 / SCRUM-18

## As a customer, I want to pre-order my meal online for future dining experience at the restaurant.

...

### Description

Acceptance Criteria:

- Reservation page should offer pre-ordering of food.
- Menu should be displayed on the reservation page, showcasing available items and prices.
- Customers should receive confirmation message after placing an pre-order and reservation.

Figure 2: Jira 02

During sprint two, your team's approach to full-stack development with focused task allocation and emphasis on teamwork seems commendable. It's great that you've been able to leverage individual strengths while maintaining a collaborative atmosphere across different aspects of the project. Dealing with initial timing challenges is common in agile environments, but it's impressive how your team rallied together through peer pressure and collective effort to ensure timely task completion, ultimately driving progress effectively. The structured approach and smooth coordination you've implemented are key factors contributing to your project's success during this sprint.

## 2. Project Schedule

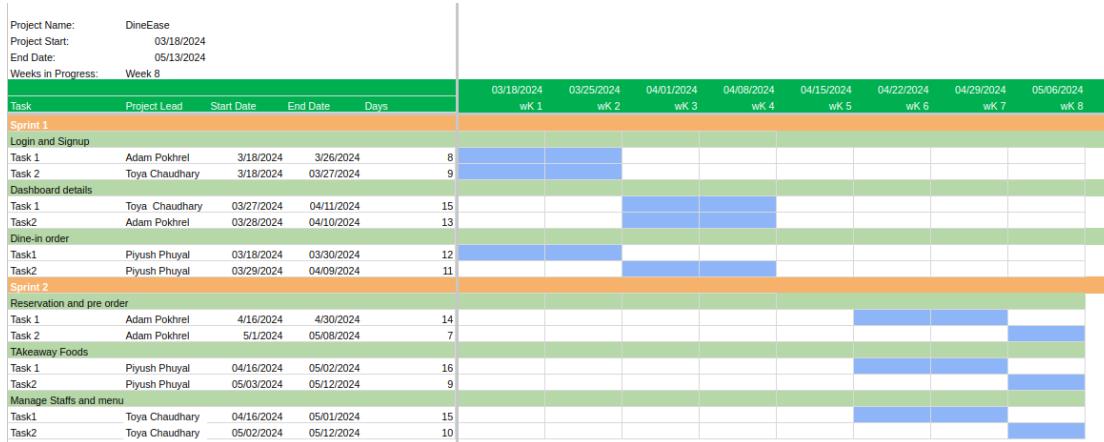


Figure 3: Gantt chart of project

In our project schedule, I've designed a Gantt chart using Excel since exporting the schedule plan from Jira proved to be challenging. The chart comprises several key columns that aid in organizing and tracking our tasks effectively. Firstly, the "Task" column enumerates task numbers for easy reference and tracking. The light-shaded section represents "Epics," which are further broken down into smaller, manageable tasks. Next, we have the "Project Lead" column, indicating the individual or team responsible for each task's execution. The "Start Date" and "End Date" columns denote when a task begins and transitions from the "To Do" to the "In Progress" section, respectively. The "Days" column calculates the duration by subtracting the start date from the end date, providing a clear timeframe for each task. Additionally, the chart includes sections designated for specific weeks, marked in blue, highlighting the areas we aim to cover during those periods. Furthermore, the orange segments signify tasks completed within different sprints, allowing us to track progress across iterative cycles effectively. This comprehensive structure in our Gantt chart enhances project management clarity by visualizing task timelines, responsibilities, and progress milestones across weeks and sprints.

## 3. Meeting minutes

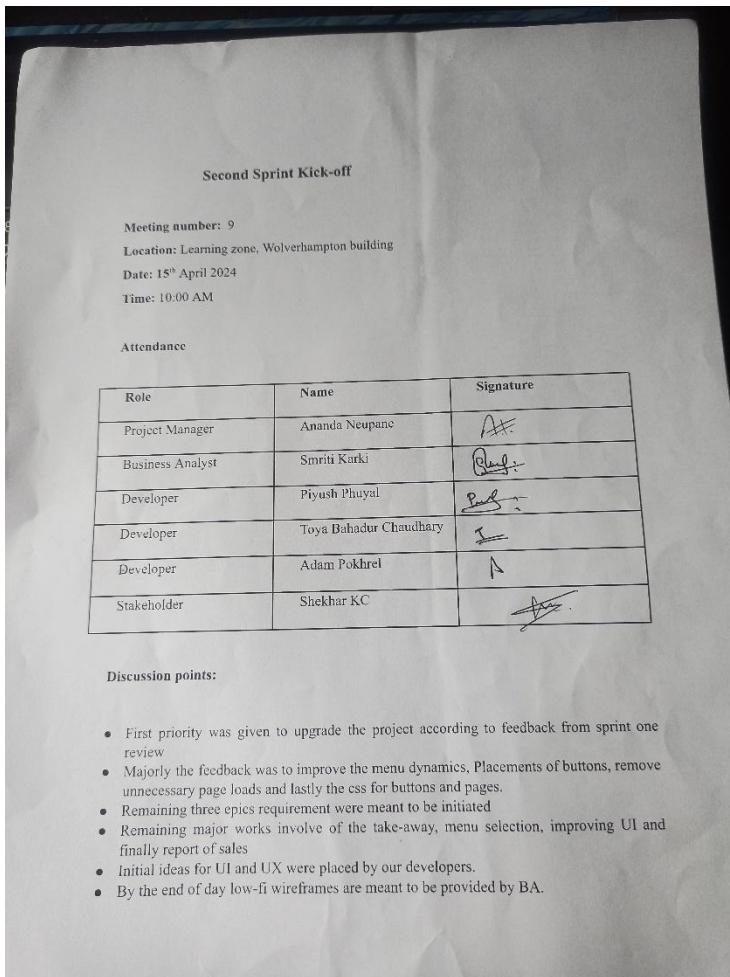


Figure 4: Meeting I

Action points:

Task list	Owner(s)	Status
UI update for sprint 1 tasks	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	Complete
Start new tasks if old completed	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	In-progress
Test the code completed from developer side on regular basis	Smriti Karki	To-do
Resolve the bugs listed by bA	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	To-do
Monitor the team performance and manage meeting schedule	Ananda Neupane	In- Progress

Plan for Next meeting:

- Review the demo of project
- Trace the work from all developers side
- Discuss the bugs encountered and how they solve

Figure 5: Meeting 2

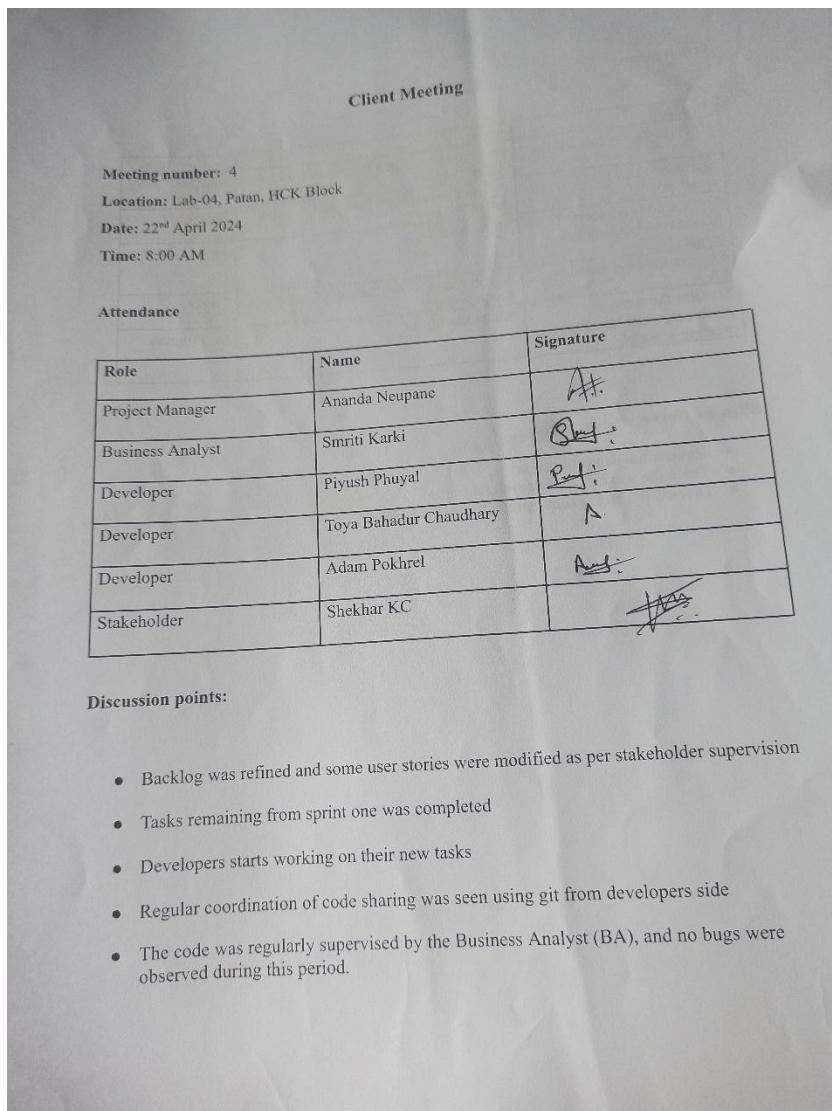


Figure 6: Meeting 3

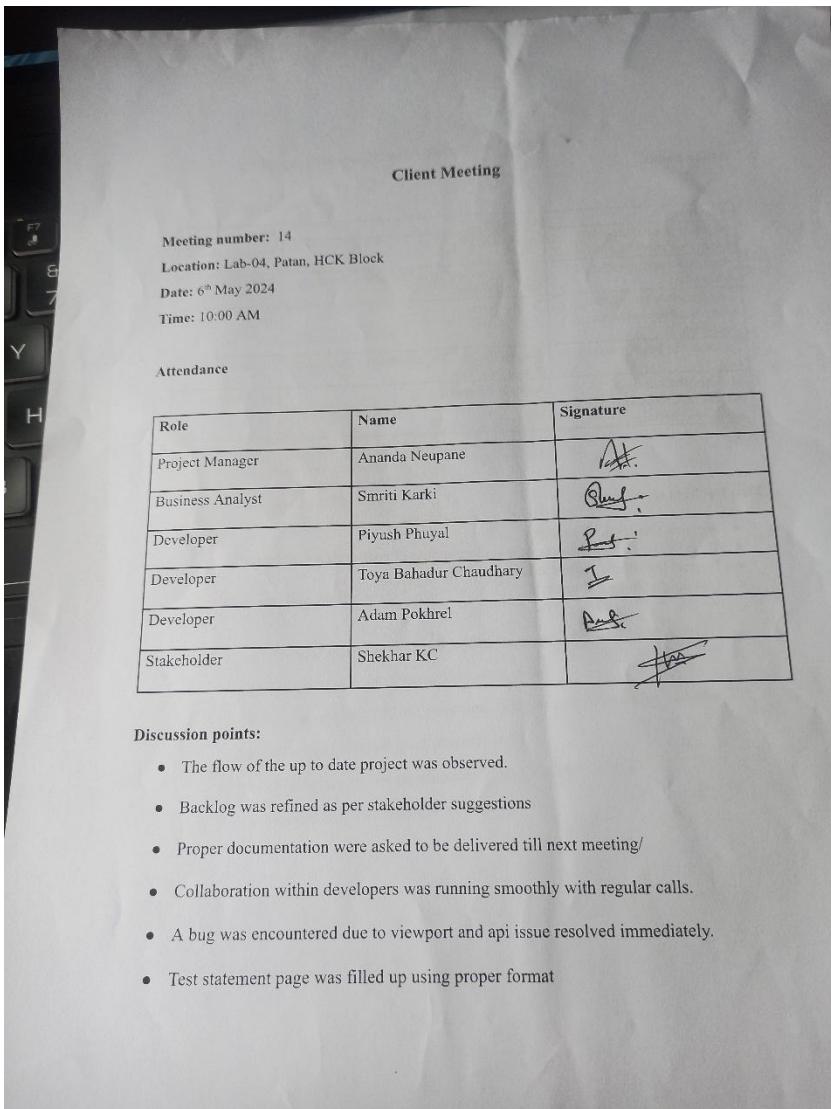


Figure 7: Meeting 4

Action points:

Task list	Owner(s)	Status
Improve the backlog of sprint one modification	Smriti Karki	To-do
Start new tasks if old completed	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	In-progress
Test the code completed from developer side and document it	Smriti Karki	To-do
Resolve the bugs listed by BA	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	To-do
Monitor the team performance and manage meeting schedule	Ananda Neupane	In- Progress

Plan for Next meeting:

- Review the demo of project
- Review the code and inspect the understanding of code within developers
- Inspect the following of Coding standards
- List out the bugs encountered

Figure 8: Metting 5

• Maintain documentation for projects in the Jira site.

Action points:

Task list	Owner(s)	Status
Upgrade the UI sections css of sprint 1 tasks	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	To-do
Make mail verification after order is placed	Piyush Phuyal	In-progress
Create low-fi wireframes for the website	Smriti Karki	To-do
Initial ideas for UI and wire frames.	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	To-do
Calculate story time over story's provided by BA	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	To-do
Assign the respective tasks in jira	Ananda Neupane	To-do
kick-off sprint and prepare communication plan and meeting schedules by end of day	Ananda Neupane	To-do

Next meeting plan:

- Review the progress of unfinished tasks of sprint one as assigned
- Rough sketch of Wireframes and ui ideas
- Once again review the story time to ensure the completion of tasks
- Tasks must be assigned properly to all
- Illustration of communications plan, meeting schedules.
- Refinement of backlog if necessary.

Figure 9: Meeting 6

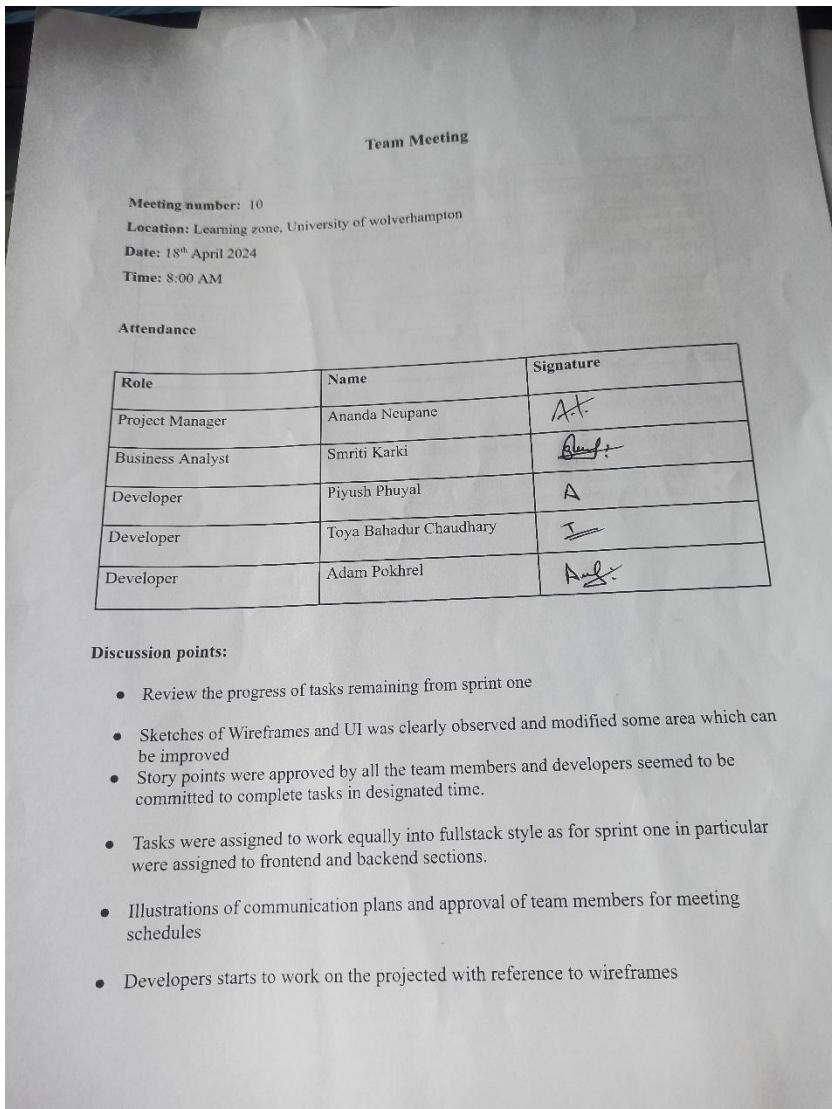


Figure 10: Meeting 7

Action points:

Task list	Owner(s)	Status
Upgrade of sprint one tasks with improved AI	Piyush Phuyal	In-progress
Start new tasks if old completed	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	In-progress
Arrange Meeting	Ananda Neupane	To-do
Review the code completed from developers	Smriti Karki	In-progress
Review the Jira board and monitor collaboration within team	Ananda Neupane	In- Progress

Plan for Next meeting:

- Add requirements as per the client needs.
- Review the old tasks
- Monitor the use of Version control system within developers
- List out bugs encountered during reviews

Figure 11: Meeting 8

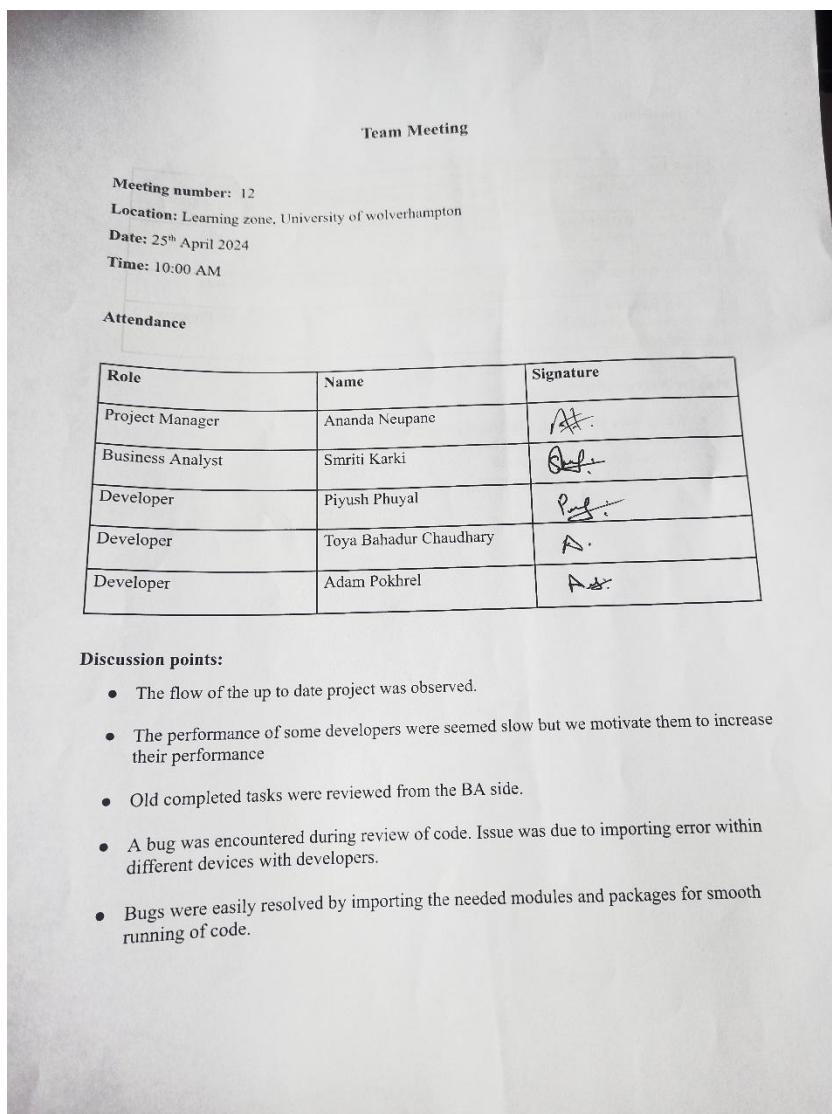


Figure 12: Meeting 9

**Team Meeting**

**Meeting number:** 13  
**Location:** Learning zone, University of Wolverhampton  
**Date:** 2<sup>nd</sup> May 2024  
**Time:** 10:00 AM

**Attendance**

Role	Name	Signature
Project Manager	Ananda Neupane	A.
Business Analyst	Smriti Karki	S.
Developer	Piyush Phuyal	A.
Developer	Toya Bahadur Chaudhary	T.
Developer	Adam Pokhrel	A.S.

**Discussion points:**

- The flow of the up-to-date project was observed.
- Monitor the regular use of version control and trace their communications.
- Tasks were transferred to done and none of the bugs were registered.
- Backlog was adjusted according to new needs.
- Trace the BA works on test case statements and SRS board.

Figure 13: Meeting 10

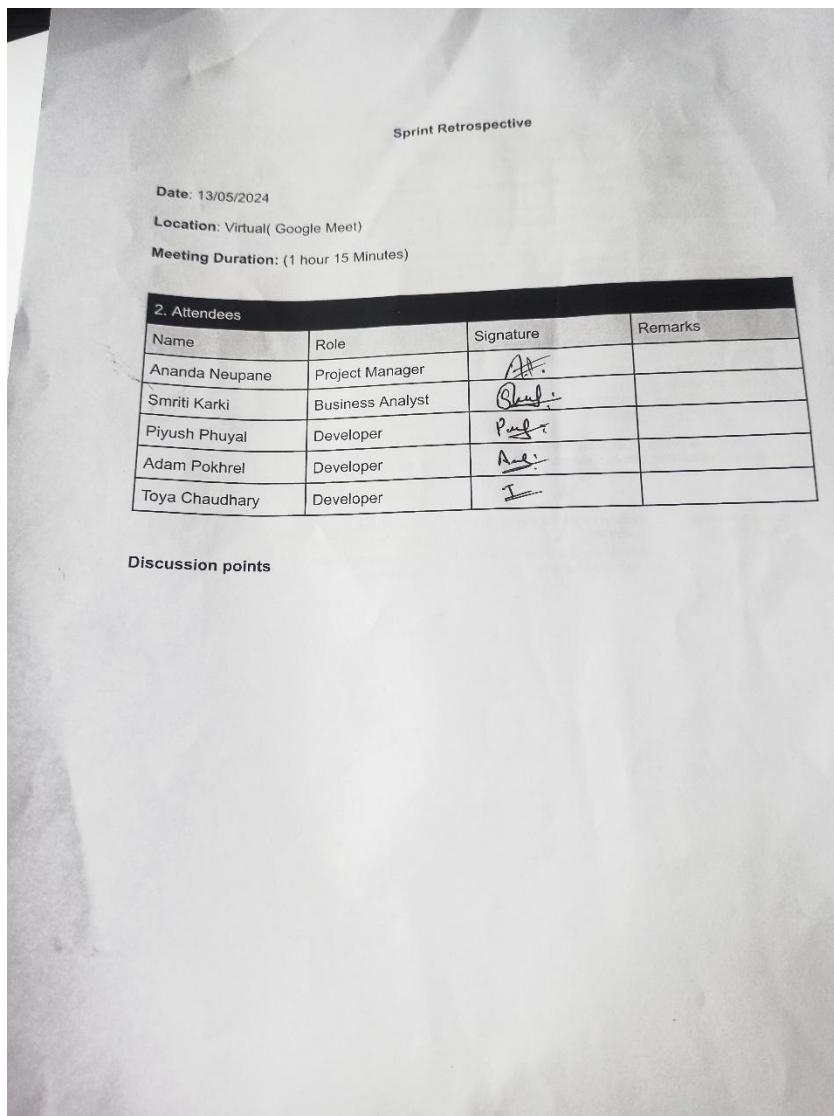


Figure 14: Meeting 11

**Action points:**

Task list	Owner(s)	Status
Start new tasks if old completed	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	In-progress
Test the code completed from developer side on regular basis	Smriti Karki	To-do
Resolve the bugs listed by BA	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	To-do
Refine the backlog as per need	Smriti Karki, Ananda Neupane	To-do
Update the test case with actual and encountered output	Smriti Karki	To-do
Monitor the team performance and manage meeting schedule	Ananda Neupane	In- Progress

**Plan for Next meeting:**

- Review the tasks completed from Developers side
- Check the demo of the done tasks on board
- Trace the communication within developers
- Discuss the bugs encountered
- Review the test statements from BA

Figure 15: Meeting 12

What went well	what to improve	action items
The meeting was highly encouraging and productive.	Estimation of story points could be more accurate.	Cooperate with developers to refine story point estimation.
Acceptance criteria were clearly and concisely described.	Code review within the team needs improvement.	Support team members for task completion and collaboration.
Individual contributions were valuable.	Absence of team members should be addressed.	Meeting timing must be set with all team member acceptance.
Opportunities for learning were abundant.	Prioritization of tasks needs better management.	Make sure high-priority tasks are given utmost attention.
Team collaboration in analyzing and solving bugs was effective.	Commenting, formatting, and code structure consistency should be improved.	Conduct code review sessions with a dedicated focus on coding standards.
Commenting on code facilitated coordination among developers.	Handling merge conflicts more effectively.	Implement backup procedures before merging files.
Sharing code via GitHub enhanced collaboration.	Addressing internet issues during online meetings.	Explore options for physical meetings to address internet issues.
Adaptation to new technologies was successful.	Ensuring tasks are completed within deadlines.	Break down larger tasks into smaller, manageable sub-tasks with their own deadlines to track progress more effectively.
	Ensure that test cases are written to cover all minor fields.	Documenting test cases more carefully.

Figure 16: Meeting 13

Action points:

Task list	Owner(s)	Status
Upgrade of sprint one tasks with improved AI	Piyush Phuyal	In-progress
Start new tasks if old completed	Piyush Phuyal, Toya Bahadur Chaudhary, Adam Pokhrel	In-progress
Arrange Meeting	Ananda Neupane	To-do
Review the code completed from developers	Smriti Karki	In-progress
Review the Jira board and monitor collaboration within team	Ananda Neupane	In- Progress

Plan for Next meeting:

- Add requirements as per the client needs.
- Review the old tasks
- Monitor the use of Version control system within developers
- List out bugs encountered during reviews

Figure 17: Meeting 14

#### 4. Meeting Schedule

Communication Type	Objective of Communication	Medium	Frequency	Time	Audience	Owner	Deliveries
Sprint Planning and Kickoff Meet	Introduce the project objectives and project team.	Face to face	Once	4 hours	Project Team, Stakeholders, Client	Project manager	Agenda, Meeting minutes
Stand up	Daily progress of project, issues, risks	Face to face	Daily - 9:00 AM	15 minutes	Project Team	Project manager	NA
Project team meeting	Checking of sprint progress	Face to face	Weekly	30-45 minutes	Project team	Project manager	Agenda, Meeting minutes
Client-team meeting	Demo of status of project	Face to face	Weekly	30-45 minutes	Project Team and Client	Project Manager	Agenda, Meeting minutes
Sprint review	Final demo of project	Face to face	Once	1 hours	Project Team, Stakeholders, Client	Project manager	Slides
Sprint retrospective	Track the team excellence and challenges	face to face	once	3 hours	Project Team	Project Manager	Meeting minutes, Table description

Figure 18: Communication plan

This image demonstrates the communication plan for our team communication plan. We perform our daily stand up work physically every morning at 9 AM on our college premises for about 15-20 minutes, where we discuss the update of work, any new issue and how the previous issue was encountered. Then yes we used to have meetings two times every meeting. One was team and client and another was within the team. We mostly cover this section on our college premises physically. We gather the feedback and refine our backlog with the modified requirement. And, within the team we use to discuss code review and bugs. Lastly, we have done a sprint retrospective where we discuss basically three things which were what went well, what to improve and action items.

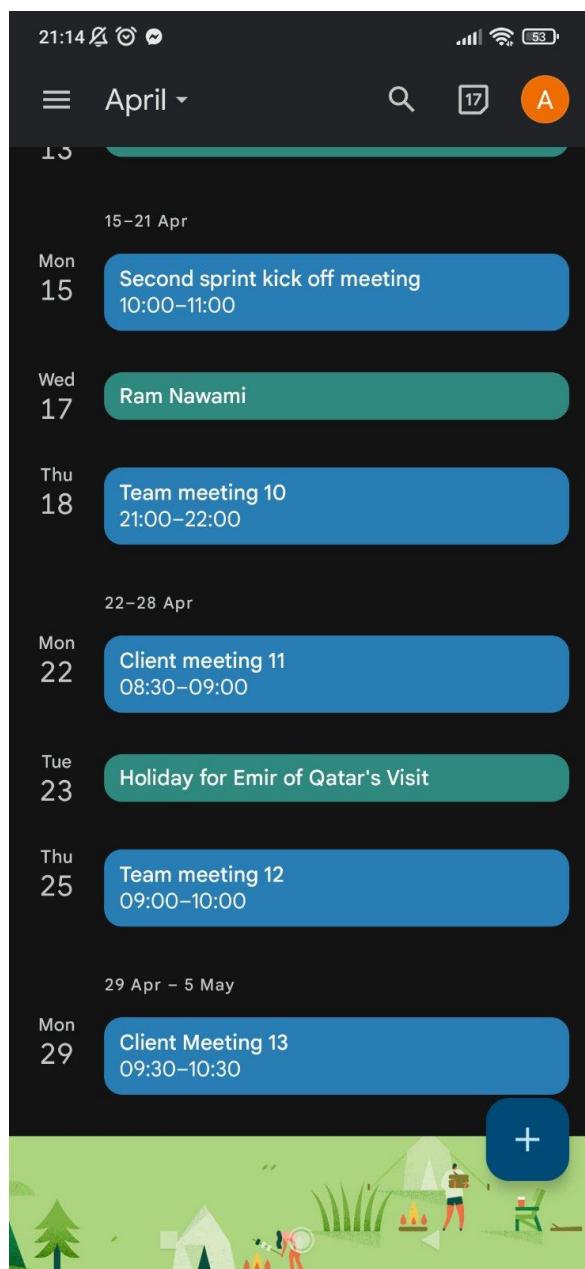


Figure 19: Calendar meeting schedule 01

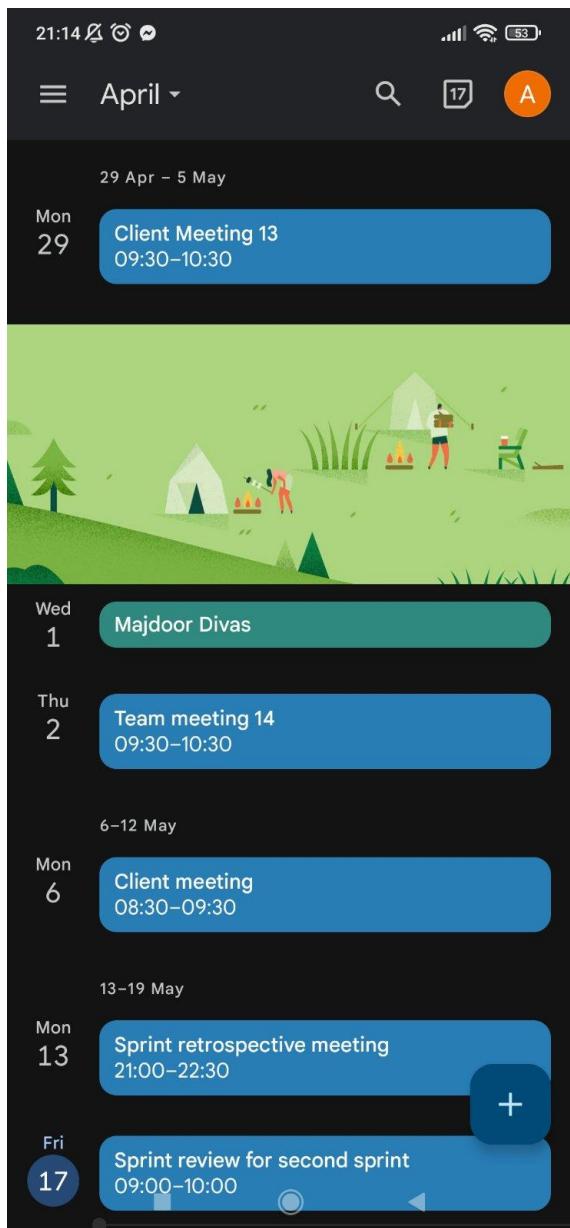


Figure 20: Calendar meeting schedule 02

Here, these two are the images for the meeting schedule we plan on google calendar. These meetings were notified half an hour earlier to the attendees to alert for upcoming meetings. Our meeting schedule typically includes team meetings on Thursdays and client meetings during class time, around 8 o'clock in the morning. In these sessions, we focus on refining the backlog with any new changes and regularly tracking tasks towards completion. Bugs are a primary discussion topic, where we outline the steps to reproduce them, compare the actual and expected results, and strategize solutions. We also make a point to recognize good work, encourage cooperation among team members, and foster a supportive environment to aid in the successful completion of the project.

## 5. Attendance report:

Date	Meeting number	Ananda Neupane	Toya Chaudhary	Piyush Phuyal	Adam Pokhrel	Smriti Karki
04/15/2024	Meeting 01	P	P	P	P	P
04/18/2024	Meeting 02	P	P	P	P	P
04/22/2024	Meeting 03	P	P	P	P	A
05/02/2024	Meeting 04	P	P	A	P	P
05/06/2024	Meeting 05	P	P	P	A	P
05/09/2024	Meeting 06	P	A	P	A	P
04/13/2024	Meeting 07	P	P	A	P	P
04/15/2024	Meeting 08	P	P	P	P	P

Figure 21: Attendance report

This image represents the attendance sheet for meetings. Meeting were gone more nicer but absentee count were increased on this sprint. Once a time every guy was absent doing something and later on we use discuss the same topic under daily stand up to make him clear. So, the performance was wrecking all the time. For a consistent development of project, everyone contribution is equally important. This sprint was a bit harder one than previous.

## 6. Conclusion

Overall, there were a lot of hurdles needed to deal during project. Managing my new friends in the team was challenging, but everyone's efforts were impressive. And all the things were prescheduled to be done later, that one was also key aspect, so that everyone was rushing to complete the task before deadline. Everyone worked hard to collaborate and help each other in every possible way. Every presence for collaborative work was main key for the success of project.

## 4. Client presentation and manual

### 4.1. Client Presentation



Figure 22: Presentation 01



Figure 23: Presentation 02

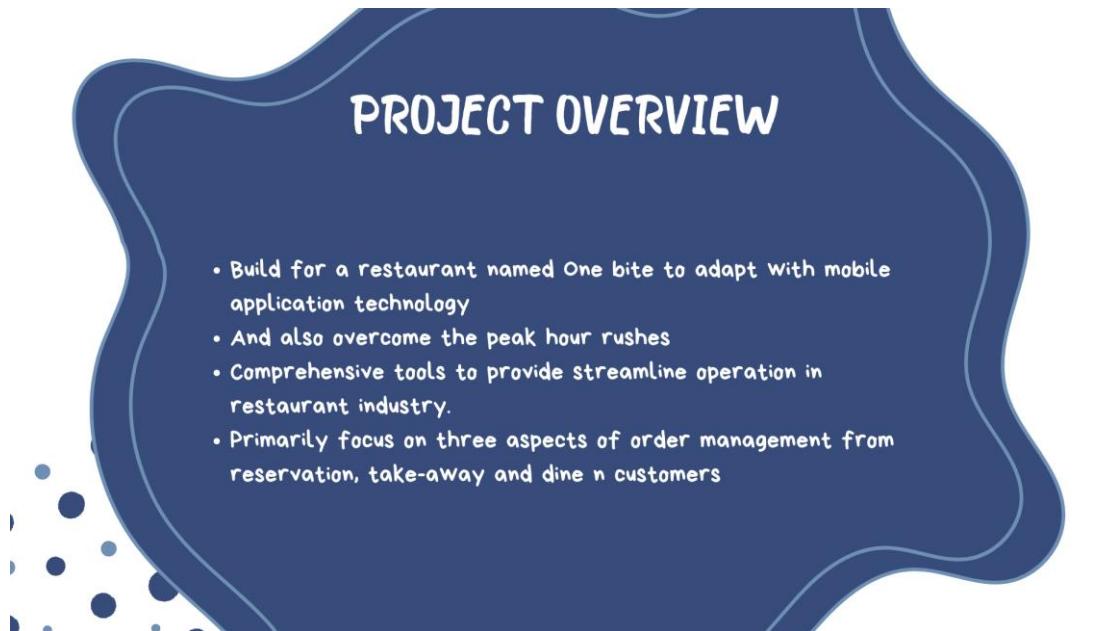


Figure 1: Presentation 04



Figure 25: Presentation 05

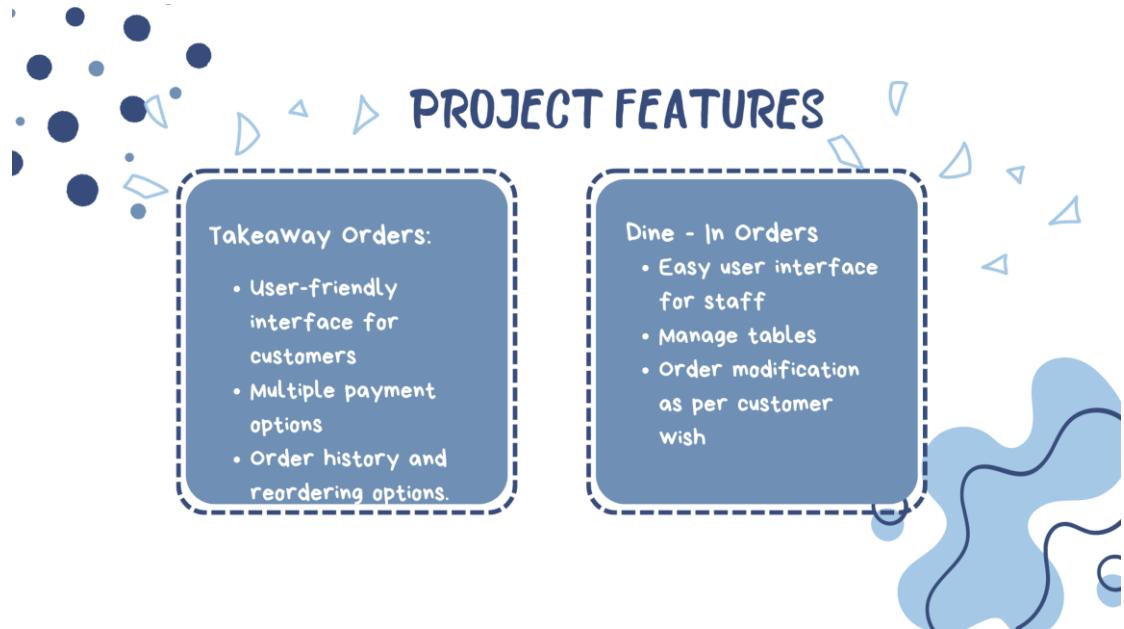


Figure 26: Presentation 06

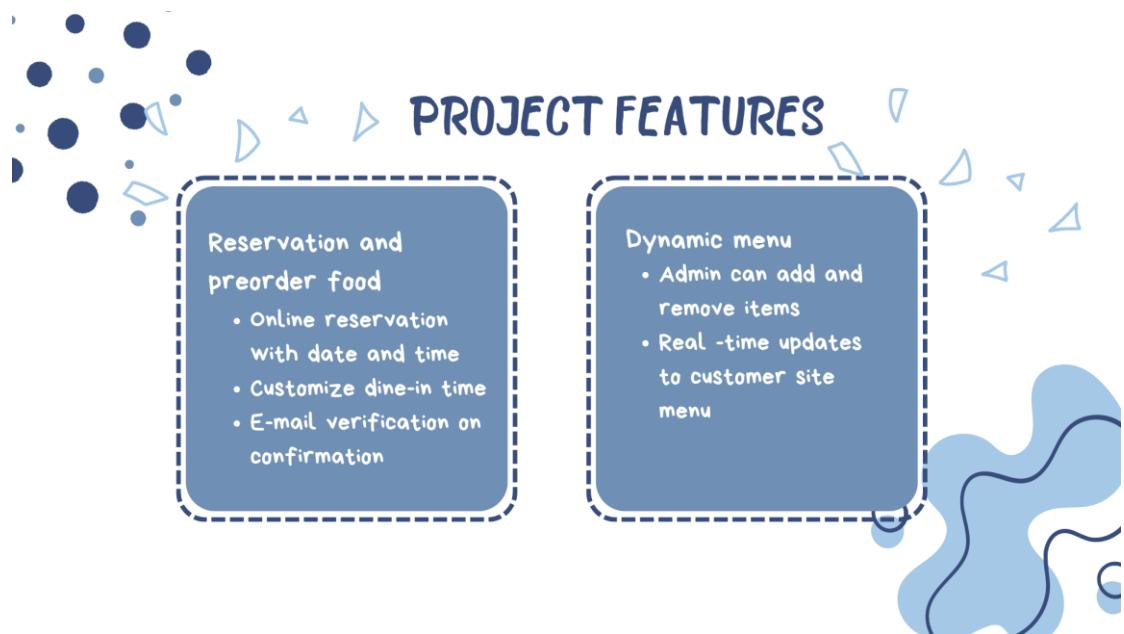


Figure 27: Presentation 07

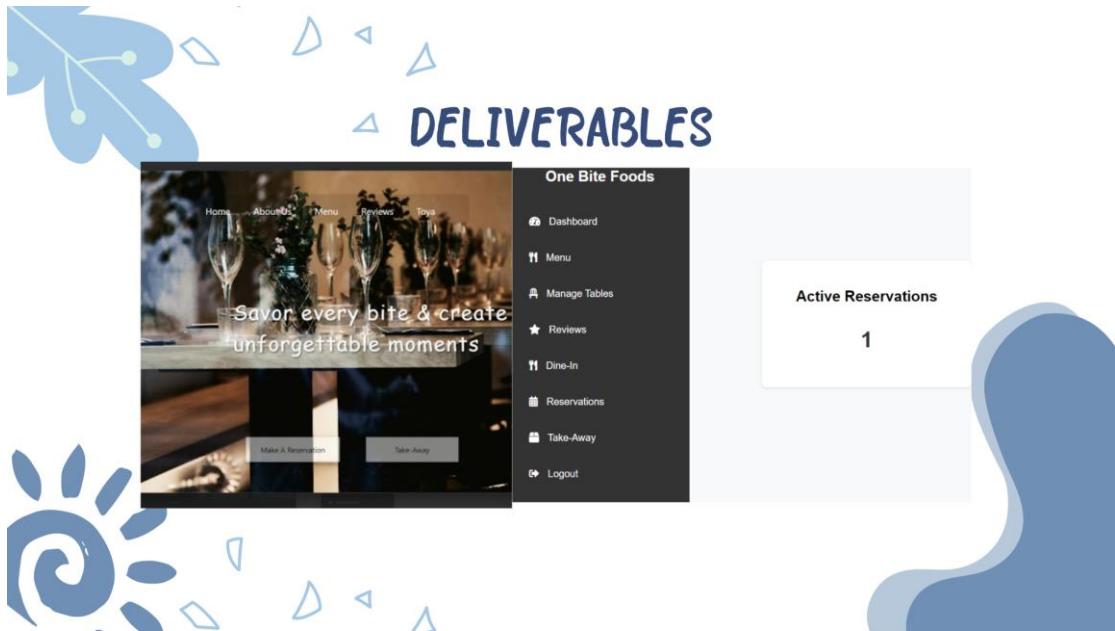


Figure 28: Presentation 08

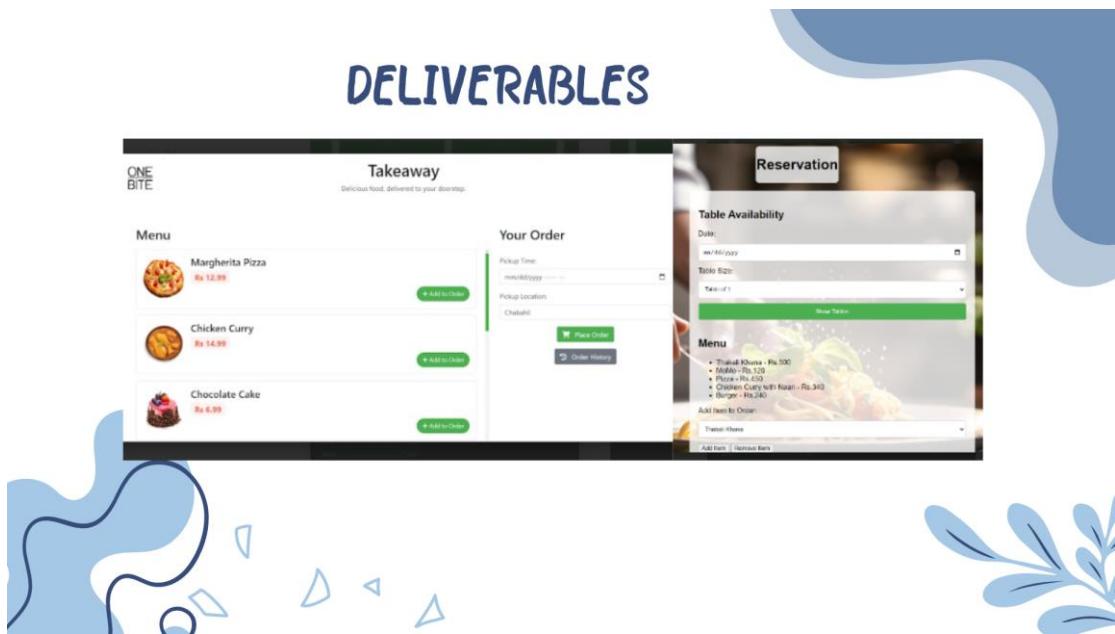


Figure 29: Presentation 09

The slide features a decorative header with blue circles and a wavy blue shape on the right. It contains two screenshots of a restaurant management system.

**Dashboard:**

ID	Name	Date	Time	Order ID
1	Tanya	None	May 10, 2024	12:00 p.m. 868
2	Tanya	None	May 10, 2024	2:40 p.m. 5
3	Tanya	None	May 10, 2024	2:50 p.m. 5
4	Tanya	None	May 10, 2024	2:50 p.m. 424
5	Tanya	None	May 10, 2024	2:50 p.m. 868
6	Tanya	None	May 19, 2024	8:22 a.m. 868

**Take-Away:**

Customer Name	Order Number	Items	Pickup Time	Pickup Location
Tanya	4787	Margherita Pizza x 1 Chicken Curry x 1 Chocolate Cake x 1	May 13, 2024, 7:01 p.m.	Cleantab
Tanya	1125	Chicken Curry x 1 Margherita Pizza x 1	May 13, 2024, 7:01 p.m.	Cleantab
Tanya	2317	Margherita Pizza x 5 Chicken Curry x 3	May 18, 2024, 8:21 p.m.	Cleantab
Tanya	8112	Margherita Pizza x 2 Chicken Curry x 3	May 19, 2024, 10:07 p.m.	Cleantab

Figure 30: Presentation 10

The slide features a decorative header with blue circles and a large blue leaf on the right. It has a central title and a bulleted list of enhancement plans.

## FUTURE ENHANCEMENT PLANS

- Enhanced Customer Engagement Features
- Inventory Management
- Customer Feedback and Interaction
- Enhanced Reservation and Waitlist Management
- Advanced Analytics and Reporting

Figure 31: Presentation 11



Figure 32: Presentation 12

## 4.2. User Manual

### Customer Site

This one is the landing page of customer as he browse through our hotel URL. Here, You can see different navigation bar of Home, About us, Menu, Reviews, and connect. Hereby, on the footer side you can see two buttons of Make a reservation and Take-away. So this is the home button interface.

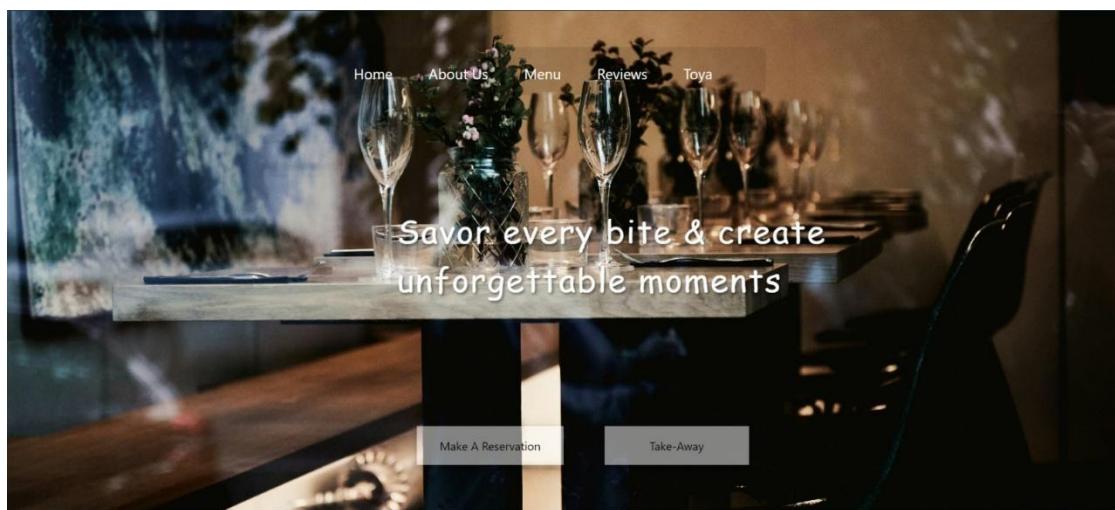


Figure 33: Restaurant main page

On browsing to about us, you can get to know more about the restaurant. You can see the feedback of green hover when you enter the about us page.

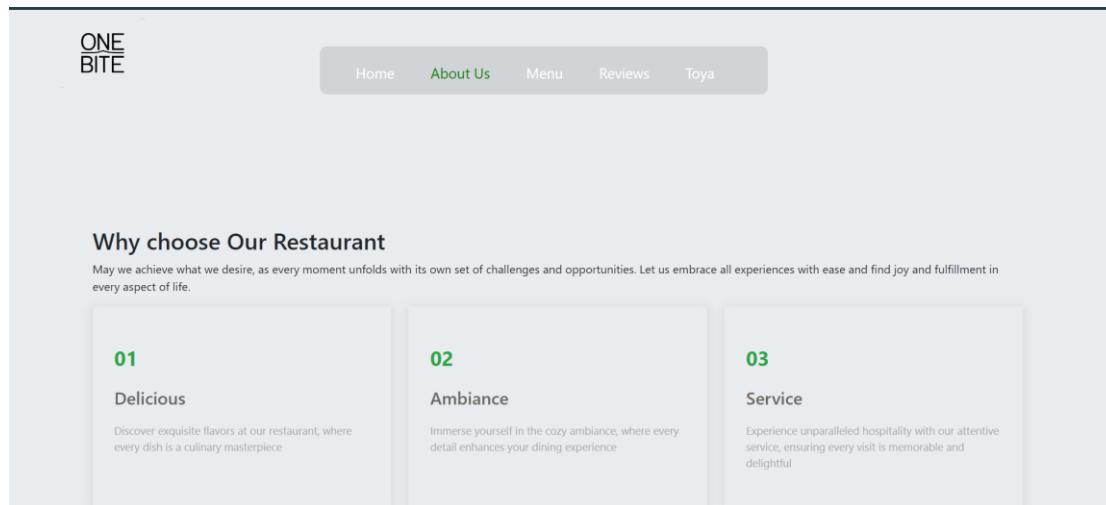


Figure 34: About us Page

Then on going menu, you can browse through different menu items available in restaurant.

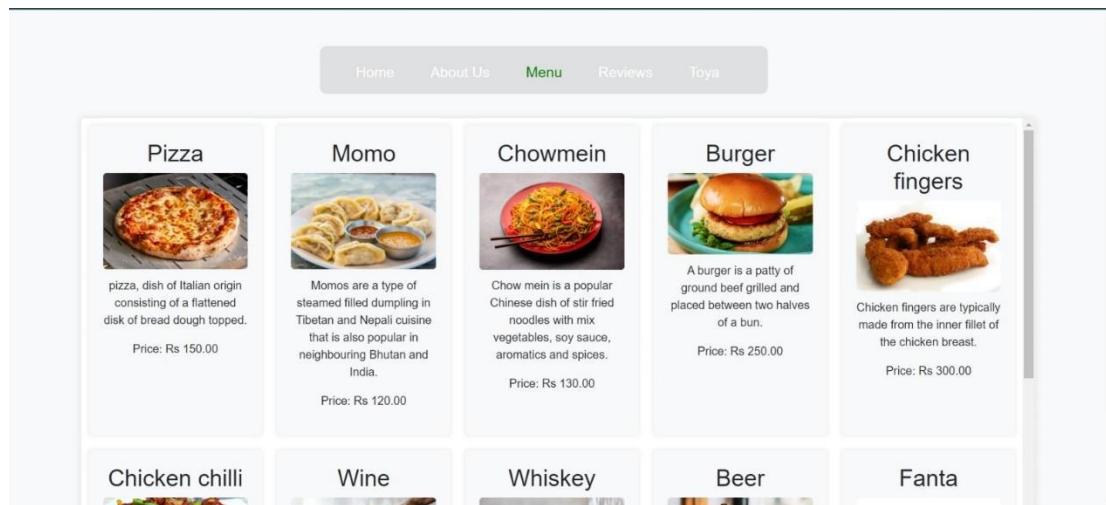


Figure 35: Menu items

On clicking review, you can get to know about the reviews given by our past customers visiting here.

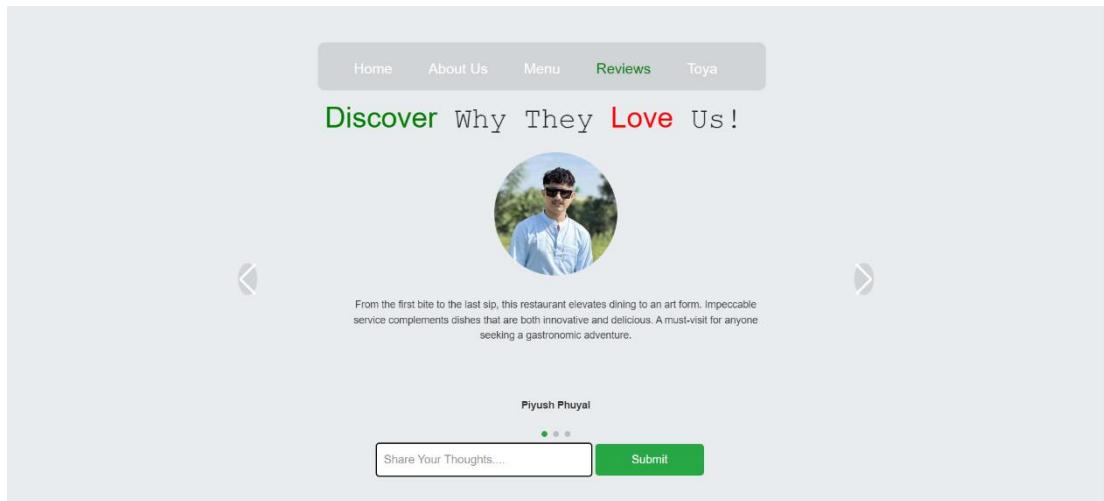


Figure 36: Customer review

The last section of nav bar is for your profile section. Here you can see your account login and in this site we have Toya logged in already.

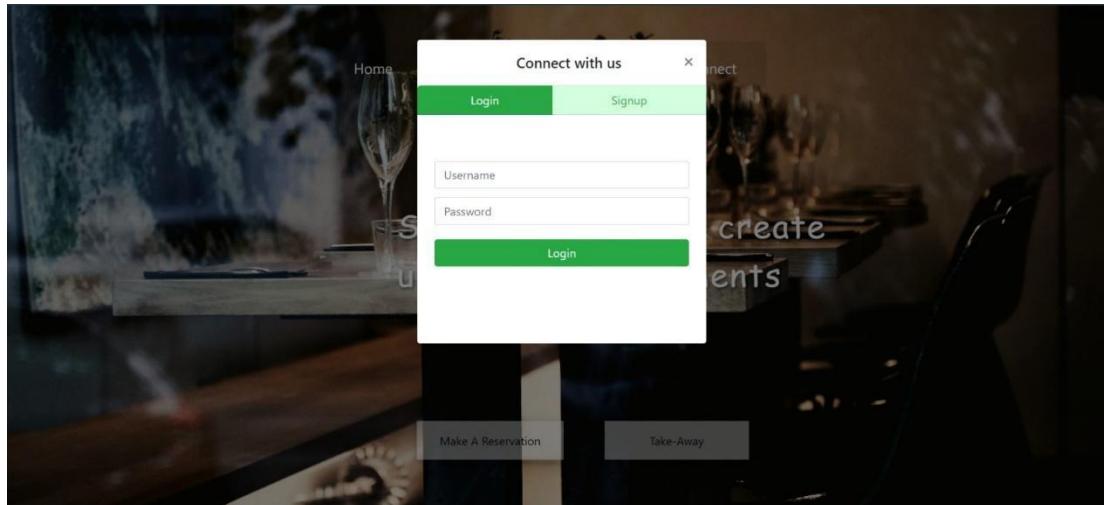


Figure 37: Connecting to application

You don't have to log in to just browse in those nav bar. But for doing some actions you need to compulsory do login. If you don't have account, you can simply sign in to our system.

For Takeaway:

If you want to order food to takeaway you can follow these steps:

Step 1: Open the URL of restaurant

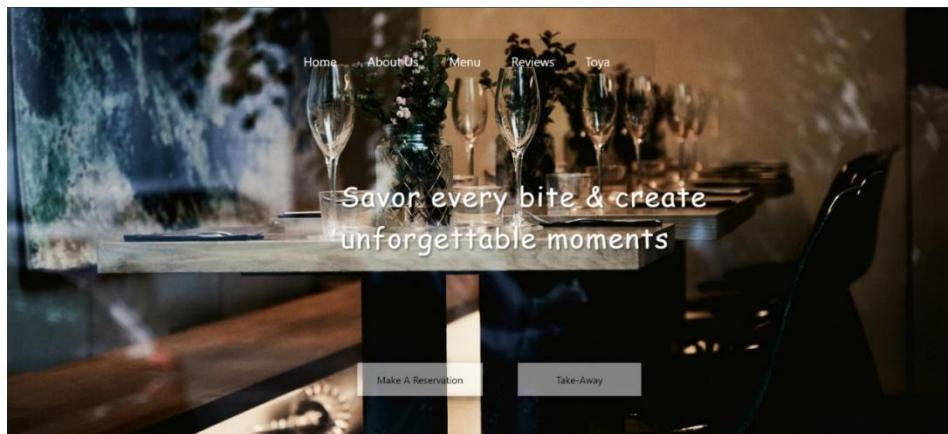


Figure 38: takeaway 01

Step 2: You can click on button takeaway. If you are accessing without login, the program will block your access and ask you for login first.

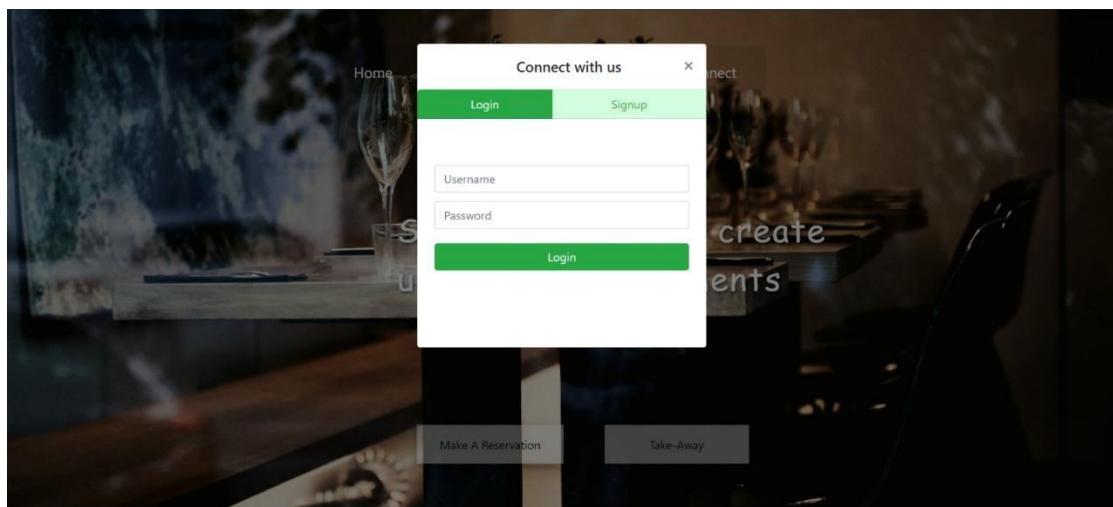


Figure 39: Login to continue

Step 3: you will meet the take away interface

The screenshot shows the One Bite Takeaway website interface. On the left, there's a 'Menu' section with three items: Margherita Pizza (Rs 12.99), Chicken Curry (Rs 14.99), and Chocolate Cake (Rs 6.99). Each item has a small image and a green 'Add to Order' button. On the right, there's a 'Your Order' section where users can enter pickup details like time and location, and buttons for 'Place Order' and 'Order History'. Below the menu, there's a note: 'Delicious food, delivered to your doorstep.'

Figure 40: take away

Step 4: You can scroll down menu and press on Add to order options on menu items as much plates you want to order.

This screenshot shows the same website after the user has added multiple items to the order. In the 'Your Order' section, it lists 'Margherita Pizza x 2' and 'Chicken Curry x 3'. There are red 'Remove' buttons next to each item entry. The total amount shown is 'Total: Rs 70.95'. The pickup details and history buttons are also visible.

Figure 41: Take away

Step 5: You are restricted to add more than 5 order, if user needs some more items he can directly call us.

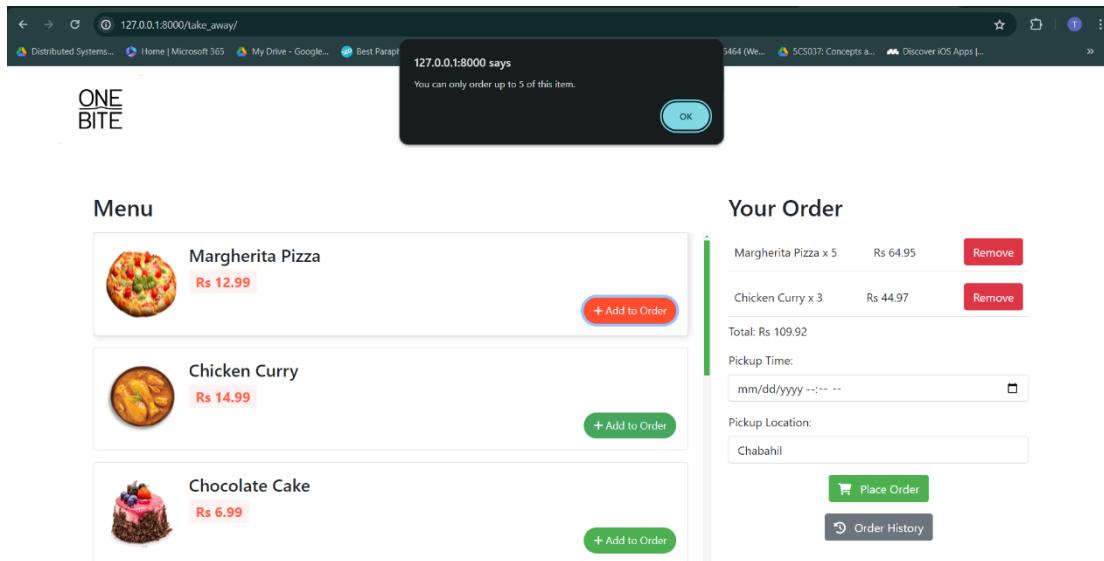


Figure 42: Limitation in takeaway

Step 6: You can then enter pickup time and pickup location and place order. You will be proceed to payment section with your order details in visual.

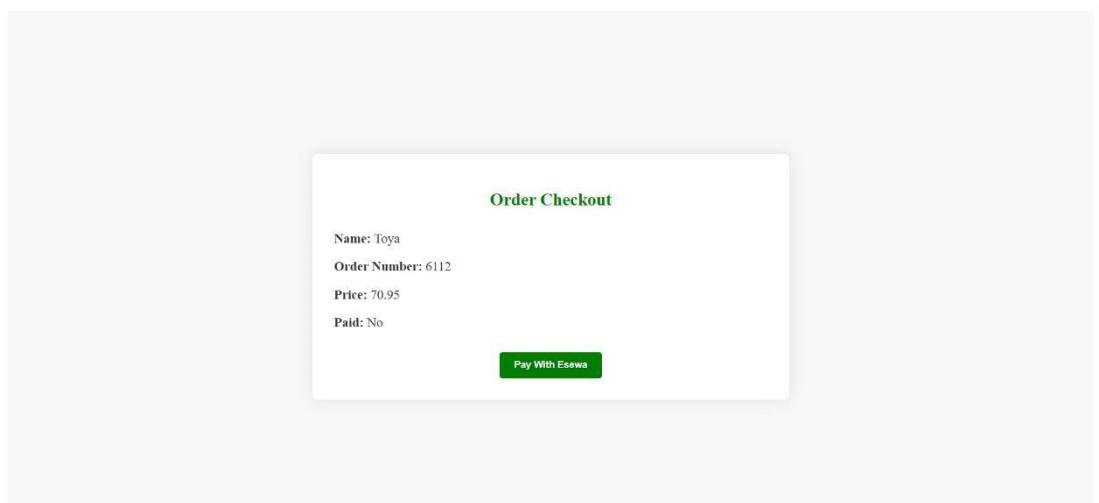


Figure 43: Check Out

Step 7: You can select option pay with Esewa and Esewa API will fetch an you can proceed your payment.

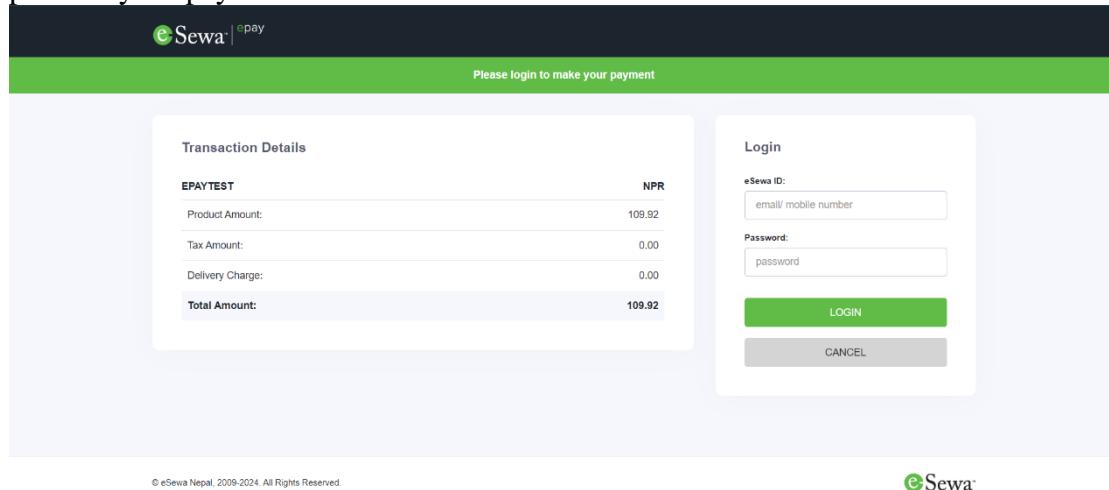


Figure 44: E-sewa API

Steo 8: If you cancel the payment section you can view your order in order history and you will got your option to payment along same way. The button of payment will not appear to those who completed the payment.

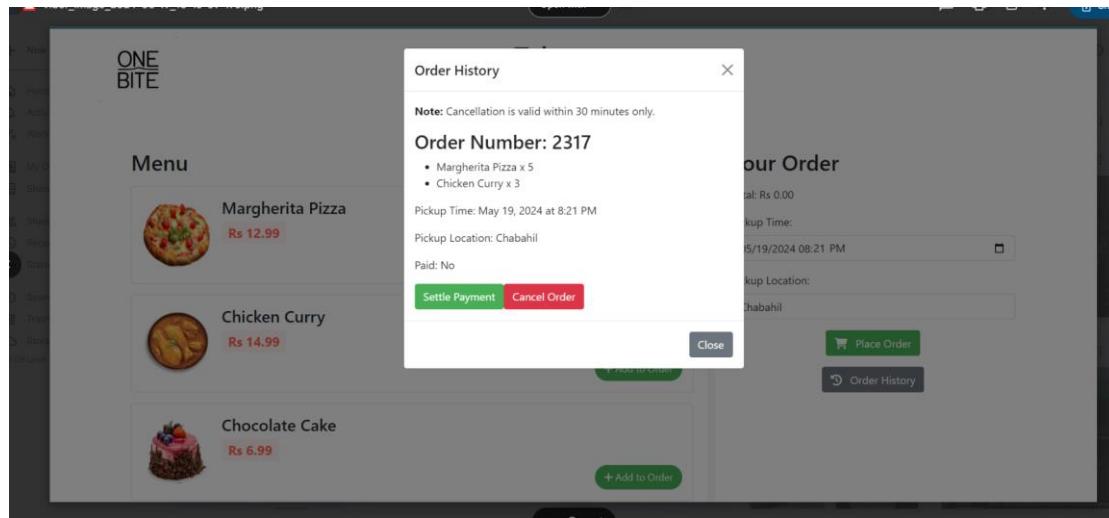


Figure 45: Cancel payment case

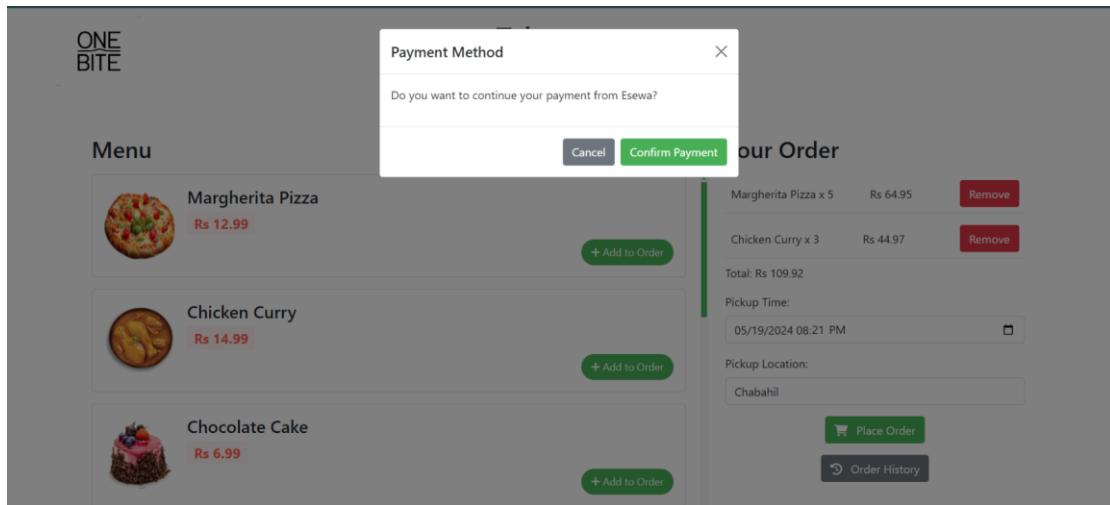


Figure 46: Pay using esewa

### Make A Reservation:

Let me walk through you to reservation section

Step 1: Browse through restaurant URL and click on make a reservation. Here also if your are not logged in system, program will force you to log in to system.



Figure 47: Make a reservation

Step 2: You will enter to reservation page.

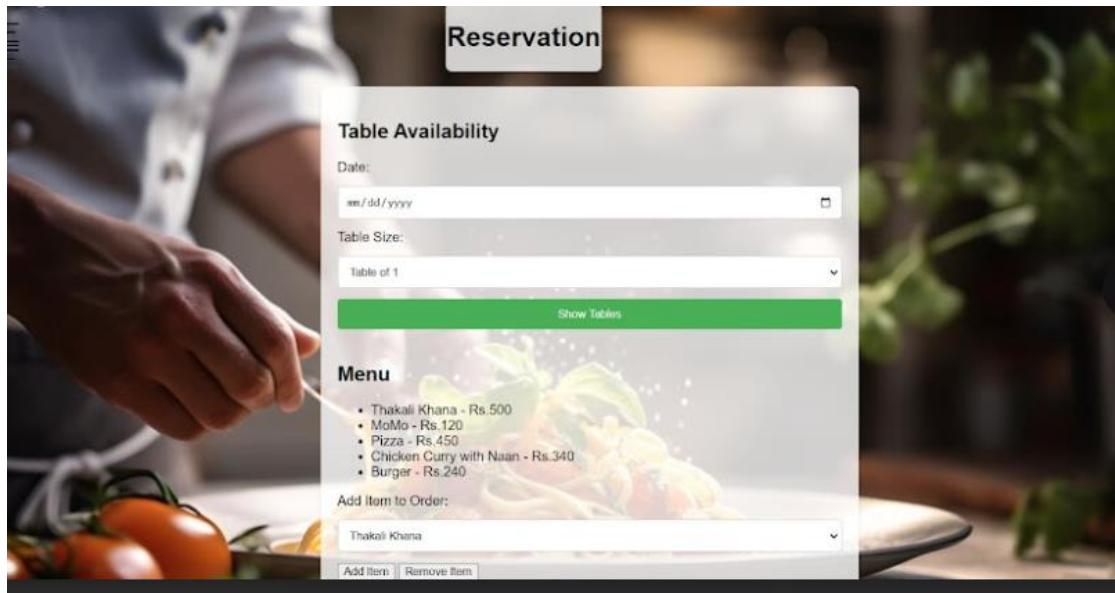


Figure 48: Reservation 01

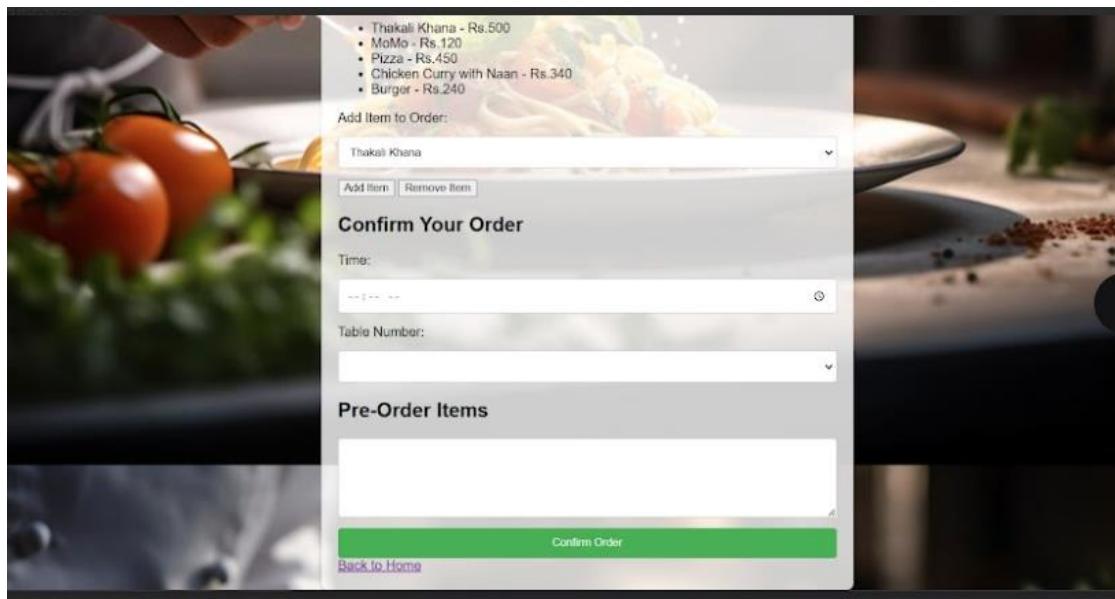


Figure 49: Reservation 02

Step 3 you can choose date and table size then click on show table, you will see green available table and red booked table.

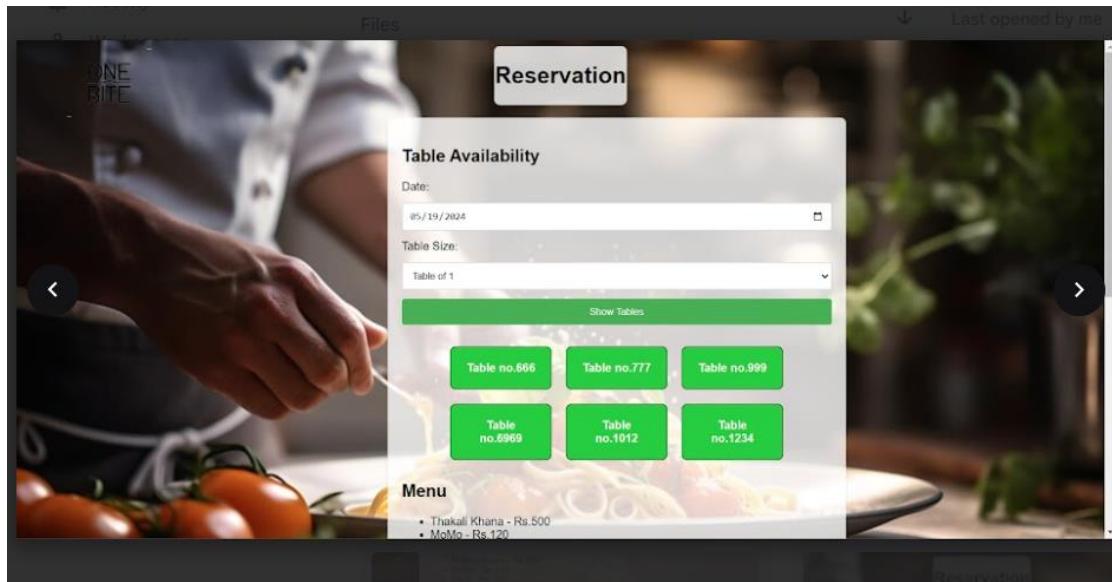


Figure 50: Show table

Step 4: You can enter the credential and select the items you want to pre order and here also you are restricted for only 10 maximum plates. For higher you need to directly mail us.

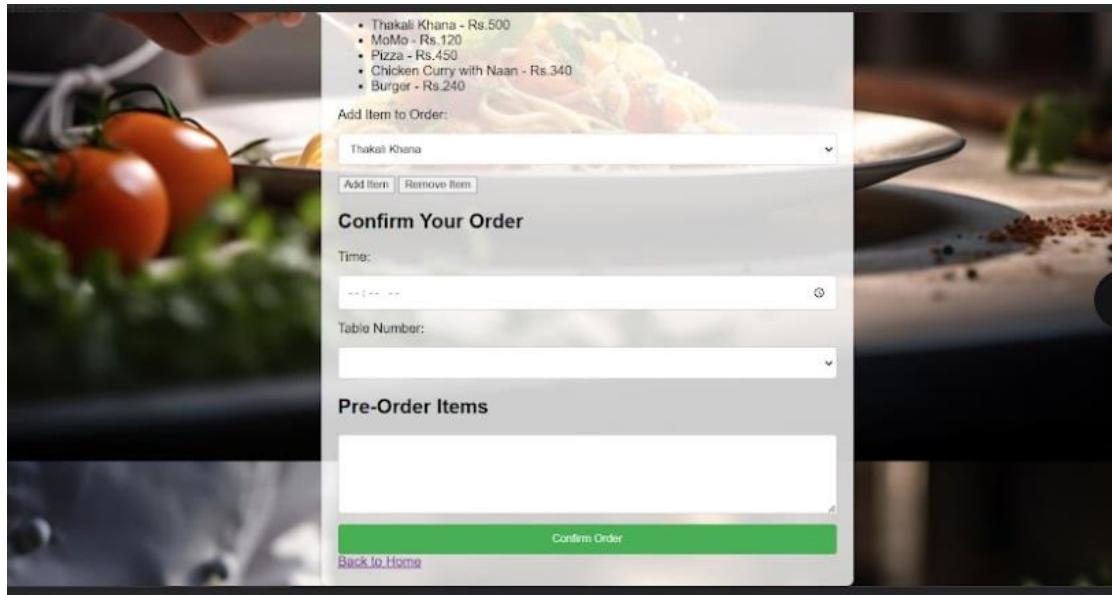


Figure 51: Reserve

Step 5: After selecting items and inserting time, you can place your order into our staff side and the response will be sent through your mail about confirmation or rejection.

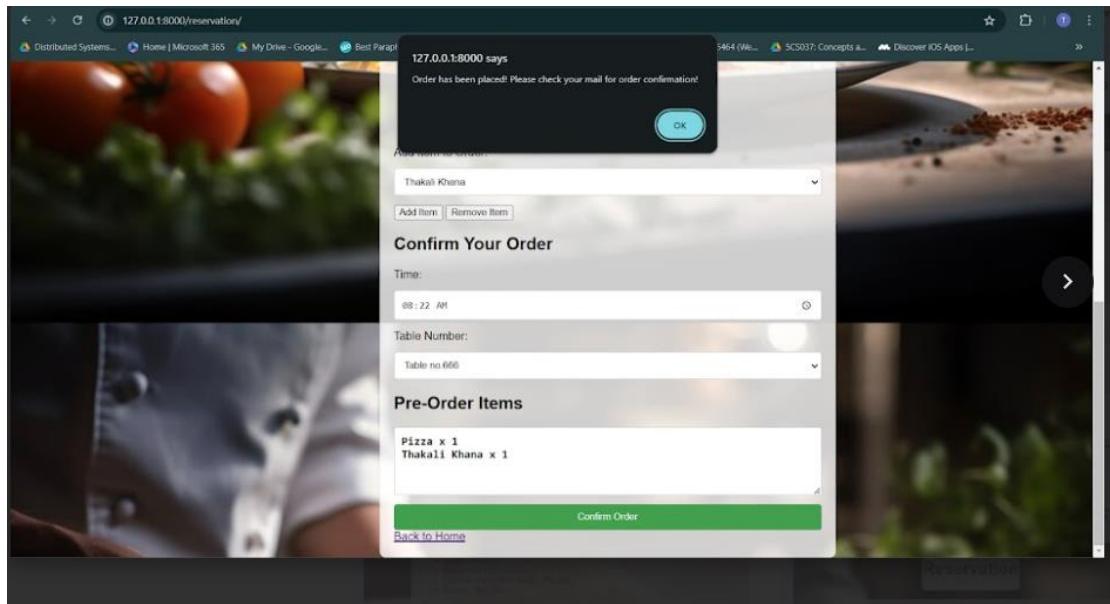


Figure 52: Confirming order

This much was for customer side.

Let me browse you to staff side:

Browse through the staff side URL, we have provided you with. Then connect to site from provided id password on dashboard you can view active reservation and active dine in orders. You can add table if necessary. Dine-in details will provide feedback on ongoing orders.

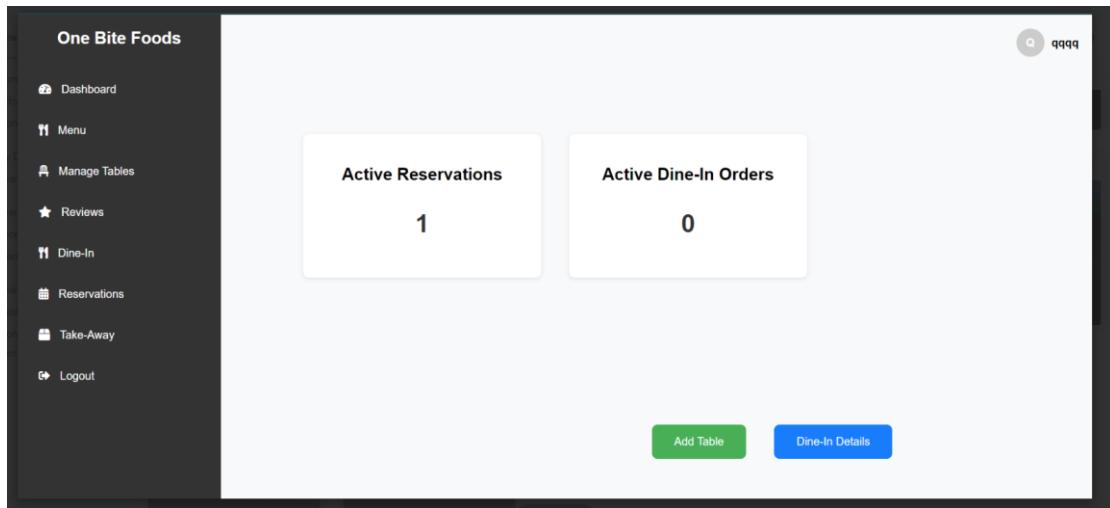


Figure 53: Dashboard for staff side

Click on add table option if you want to add table

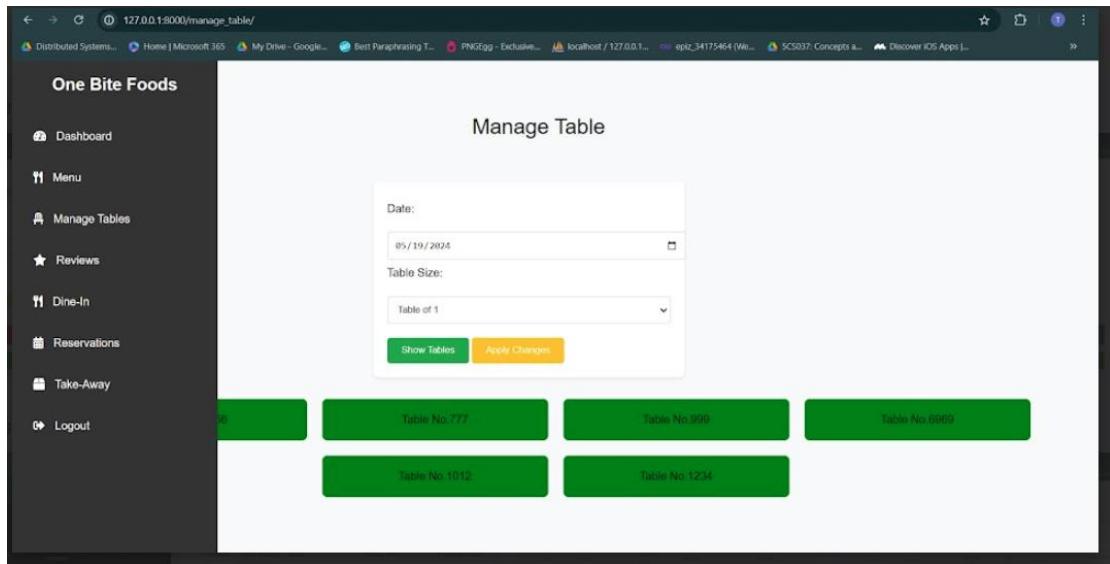


Figure 54: Manage table

Click on a table number and it color will change to red which represent booked. And the table will not appear in customer site.

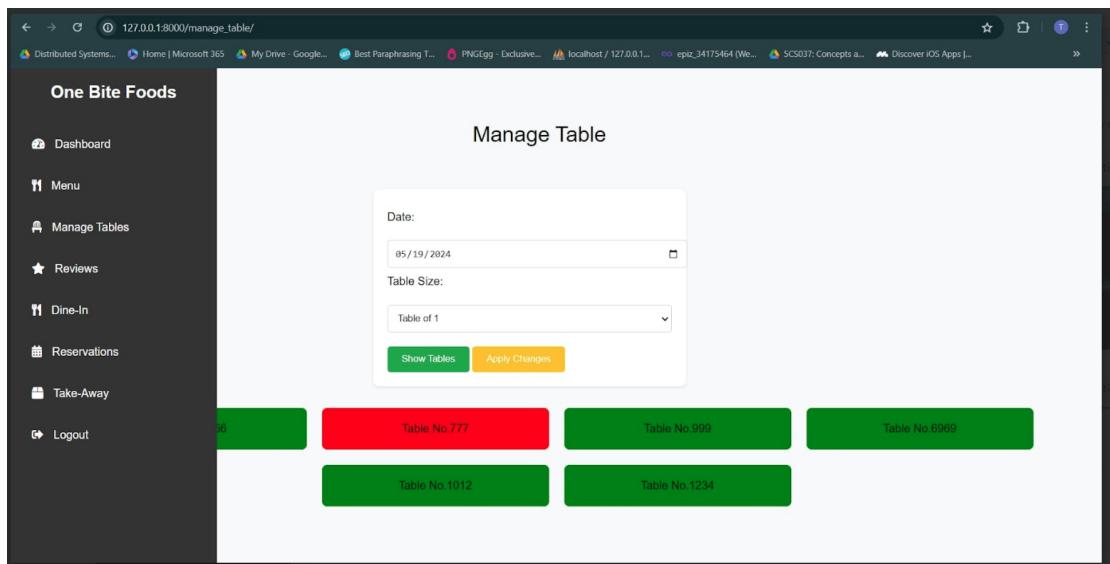


Figure 55: Reserve option

Click on apply changes:

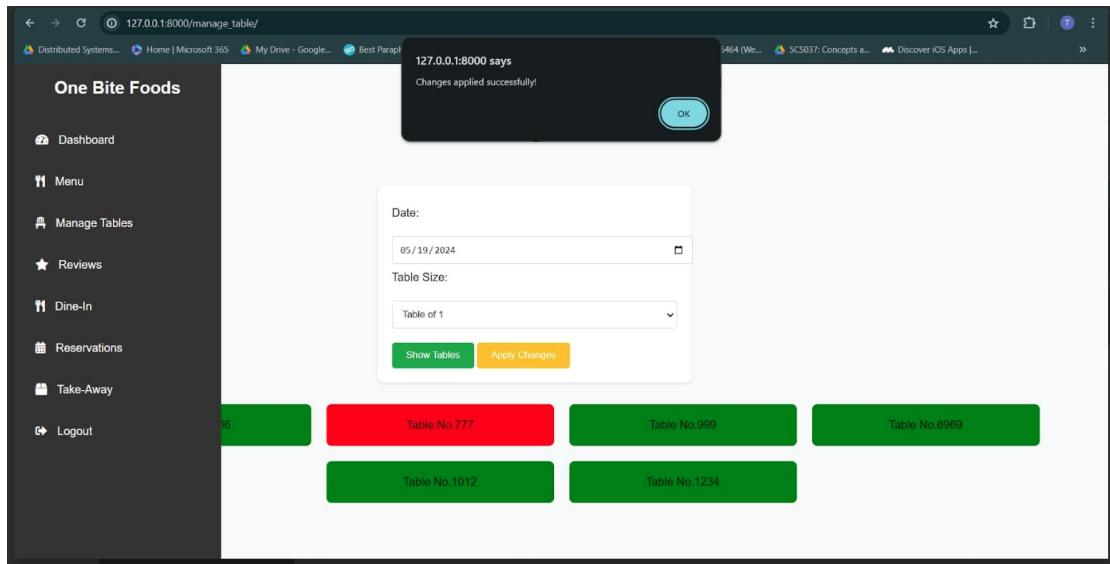


Figure 56: Confirm table reserve

Similarly, you can get back it to available table

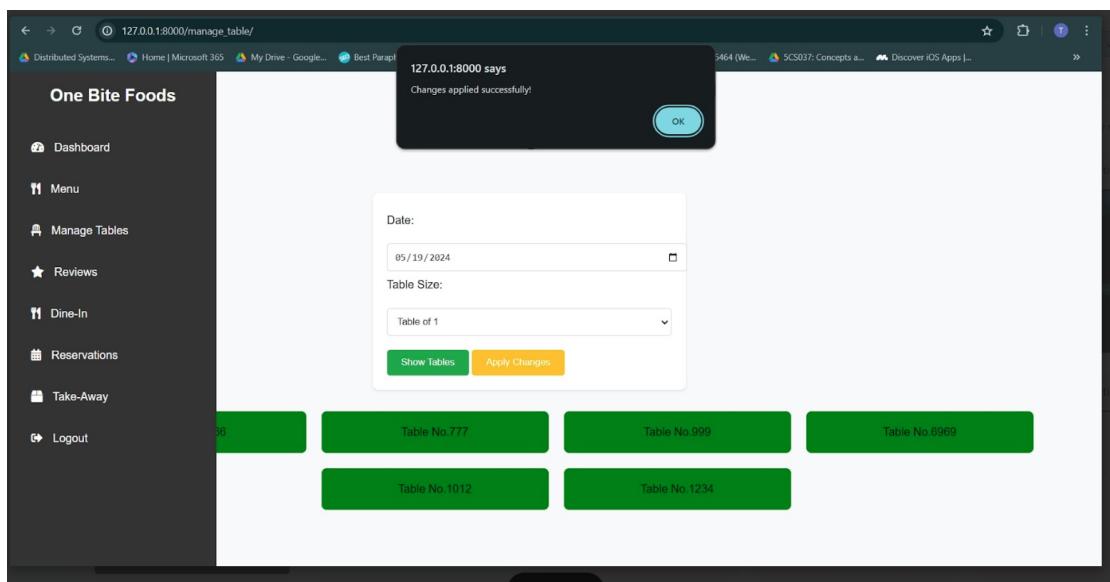


Figure 57: Confirm table available

Click on Dine in details to see ongoing dining orders.

Click on menu of navigation bar and view the items available in the restaurant. You can add and delete items here.

The screenshot shows a dark-themed admin dashboard for 'One Bite Foods'. On the left, a sidebar lists navigation options: Dashboard, Menu, Manage Tables, Reviews, Dine-In, Reservations, Take-Away, and Logout. The main content area displays ten items in two rows of five. Each item has a thumbnail image, a title, a brief description, and its price.

Category	Item	Description	Price
Food	Pizza	pizza, dish of Italian origin consisting of a flattened disk of bread dough topped.	Rs 150.00
	Momo	Momos are a type of steamed filled dumpling in Tibetan and Nepali cuisine that is also popular in neighbouring Bhutan and India.	Rs 120.00
	Chowmein	Chow mein is a popular Chinese dish of stir fried noodles with mix vegetables, soy sauce, aromatics and spices.	Rs 130.00
	Burger	A burger is a patty of ground beef grilled and placed between two halves of a bun.	Rs 250.00
	Chicken fingers	Chicken fingers are typically made from the inner fillet of the chicken breast.	Rs 300.00
Beverages	Wine	Wine is an alcoholic drink made from fermented fruit. Yeast consumes the sugar.	
	Whiskey	Whisky or whiskey is a type of liquor made from fermented grain mash.	
	Beer	Beer, alcoholic beverage produced by extracting raw materials with water, boiling	
	Fanta	Bright, bubbly and a popular favourite, Fanta	
	Coke	Coke is a carbonated, sweetened soft drink and is the world's best-selling	

Figure 58: Admin menu

And on manage table section, you can alter the table condition from available to reserve and vice versa

In review section you can view the review given by customers.

The screenshot shows the 'Reviews' section of the admin dashboard. The sidebar includes the same navigation options as Figure 58. The main area displays a single review entry with columns for 'Username' and 'Message'. The message content is a positive review of the restaurant.

Reviews	
Username	Message
Toya	Rave reviews for One Bites Restaurant: delicious food, great service, cozy ambiance. Must-tries include avocado toast, breakfast items, mushroom risotto, and Lobster Florentine.

Figure 59: Admin review

In dine-in section you can manage the orders came for dine in

In reservation section you can manage the orders came for reservation. The dashboard look like this.

Step 1: The order from customer site are align on tabular format and have option to confirm, cancel and completed.

One Bite Foods										
	Customer ID	Customer Name	Email	Date	Time	Table No.	Order Details	Status	Actions	
Dashboard	4	sheron	sheron@gmail.com	April 14, 2024	0:26 a.m.	2	hi	<input checked="" type="checkbox"/> ✓	<button>Confirm</button> <button>Completed</button>	
Menu	4	Toya	None	May 16, 2024	10:05 p.m.	6	MoMo MoMo MoMo MoMo	<input checked="" type="checkbox"/> ✓	<button>Confirm</button> <button>Completed</button>	
Manage Tables	5	Toya	None	May 16, 2024	12:45 a.m.	999	Chicken Curry with Naan x 4	<input checked="" type="checkbox"/> ✓	<button>Confirm</button> <button>Completed</button>	
Reviews	2	Toya	None	April 10, 2024	7:42 p.m.	6	423466	<input checked="" type="checkbox"/> ✓	<button>Confirm</button> <button>Completed</button>	
Dine-In	3	Toya	None	May 13, 2024	7:21 p.m.	4	Pizza	<input checked="" type="checkbox"/> ✓	<button>Confirm</button> <button>Completed</button>	
Reservations	3	Toya	None	May 17, 2024	10:44 a.m.	4042	Thakali Khana x 2	<input type="checkbox"/> ✕	<button>Confirm</button> <button>Completed</button>	
Take-Away	6	Toya	None	May 17, 2024	10:44 a.m.	4042	Thakali Khana x 2	<input type="checkbox"/> ✕	<button>Confirm</button> <button>Completed</button>	
Logout	7	Toya	None	May 19, 2024	3:16 p.m.	6969	Pizza x 1 MoMo x 1	<input type="checkbox"/> ✕	<button>Confirm</button> <button>Completed</button>	

Figure 60: Admin reservation page

Step2: If the reservation is asked for cancellation you can click on red cross. And as the order come we browse to manage table section and see for table availability, and if table is available then you can click confirm and a confirmation mail is sent to user. \

One Bite Foods										
	Customer ID	Customer Name	Email	Date	Time	Table No.	Order Details	Status	Actions	
Dashboard	4	sheron	sheron@gmail.com	April 14, 2024	0:26 a.m.	2	hi	<input checked="" type="checkbox"/> ✓	<button>Confirm</button> <button>Completed</button>	
Menu	4	Toya	None	May 16, 2024	10:05 p.m.	6	MoMo MoMo MoMo MoMo	<input checked="" type="checkbox"/> ✓	<button>Confirm</button> <button>Completed</button>	
Manage Tables	5	Toya	None	May 16, 2024	12:45 a.m.	999	Chicken Curry with Naan x 4	<input checked="" type="checkbox"/> ✓	<button>Confirm</button> <button>Completed</button>	
Reviews	2	Toya	None	April 10, 2024	7:42 p.m.	6	423466	<input checked="" type="checkbox"/> ✓	<button>Confirm</button> <button>Completed</button>	
Dine-In	3	Toya	None	May 13, 2024	7:21 p.m.	4	Pizza	<input checked="" type="checkbox"/> ✓	<button>Confirm</button> <button>Completed</button>	
Reservations	3	Toya	None	May 17, 2024	10:44 a.m.	4042	Thakali Khana x 2	<input type="checkbox"/> ✕	<button>Confirm</button> <button>Completed</button>	
Take-Away	6	Toya	None	May 17, 2024	10:44 a.m.	4042	Thakali Khana x 2	<input type="checkbox"/> ✕	<button>Confirm</button> <button>Completed</button>	
Logout	7	Toya	None	May 19, 2024	3:16 p.m.	6969	Pizza x 1 MoMo x 1	<input checked="" type="checkbox"/> ✓	<button>Confirm</button> <button>Completed</button>	

Figure 61: Order confirm

Step 3: After all eating and payment procedures are completed, you can click on completed and your order will be represented cut.

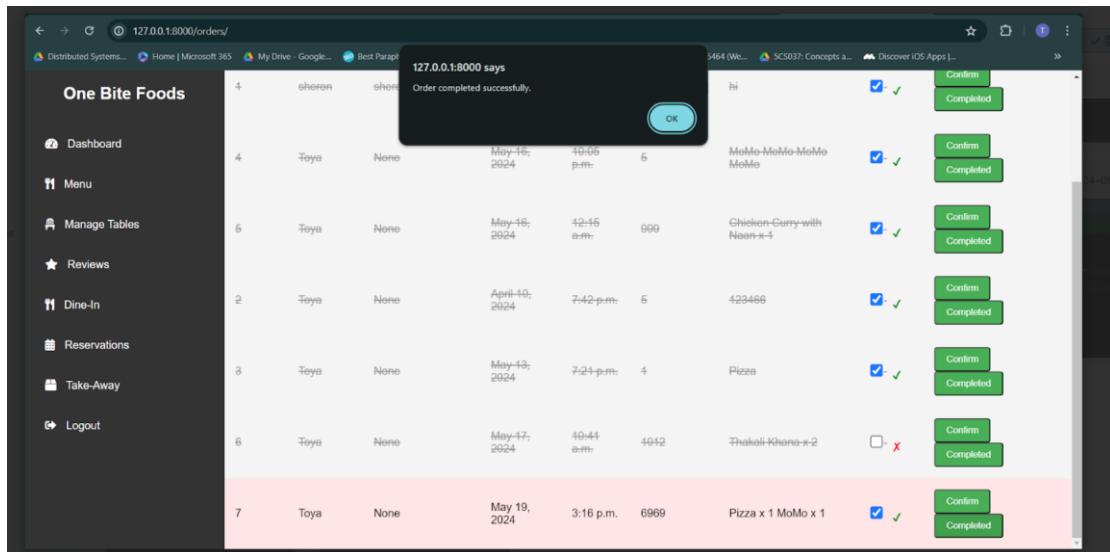


Figure : Order completed

Now next one is Take away section

Step 1: your takeaway interface in admin site look as this

Take-Away								
Customer Name	Order Number	Items	Pickup Time	Pickup Location	Payment	Amount	Action	
Toyia	4787	• Margherita Pizza x 1 • Chicken Curry x 1 • Chocolate Cake x 1	May 13, 2024, 7:01 p.m.	Chabahil	<input checked="" type="checkbox"/> ✓	Rs None	<button>Cancel</button> <button>Completed</button>	
Toyia	1125	• Chicken Curry x 1 • Margherita Pizza x 1	May 13, 2024, 7:01 p.m.	Chabahil	<input checked="" type="checkbox"/> ✓	Rs None	<button>Cancel</button> <button>Completed</button>	
Toyia	2317	• Margherita Pizza x 5 • Chicken Curry x 3	May 19, 2024, 8:21 p.m.	Chabahil	<input checked="" type="checkbox"/> ✓	Rs None	<button>Cancel</button> <button>Completed</button>	
Toyia	6112	• Margherita Pizza x 2 • Chicken Curry x 3	May 19, 2024, 10:07 p.m.	Chabahil	<input checked="" type="checkbox"/> ✓	Rs None	<button>Cancel</button> <button>Completed</button>	

Figure 63: Take away orders

Here, we can complete the action once the food are taken by customer you can mark it as completed

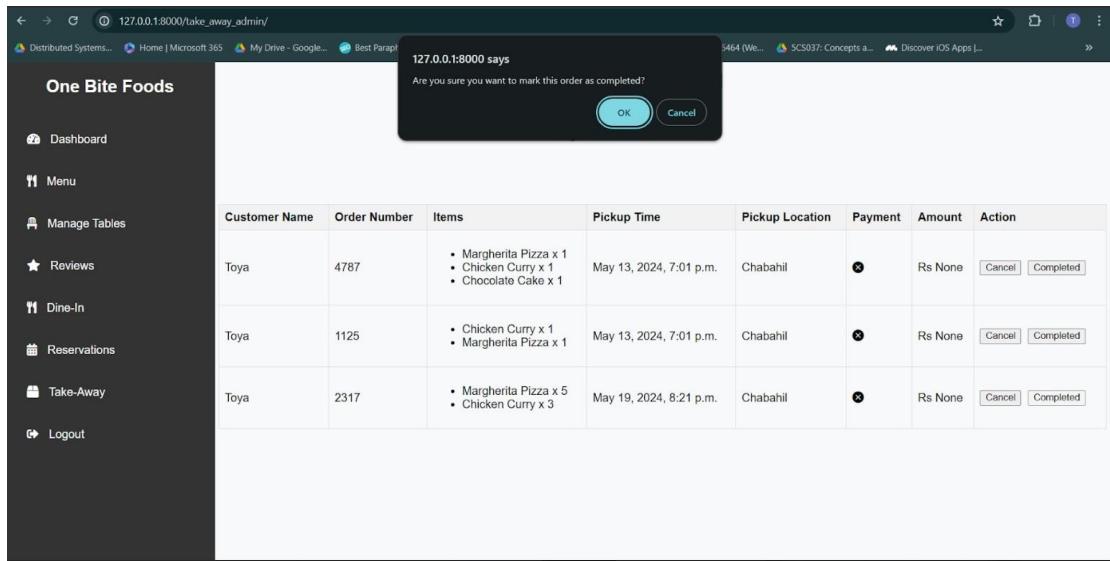


Figure 64: Take Away complete

You can also cancel the order prior to 30 minutes

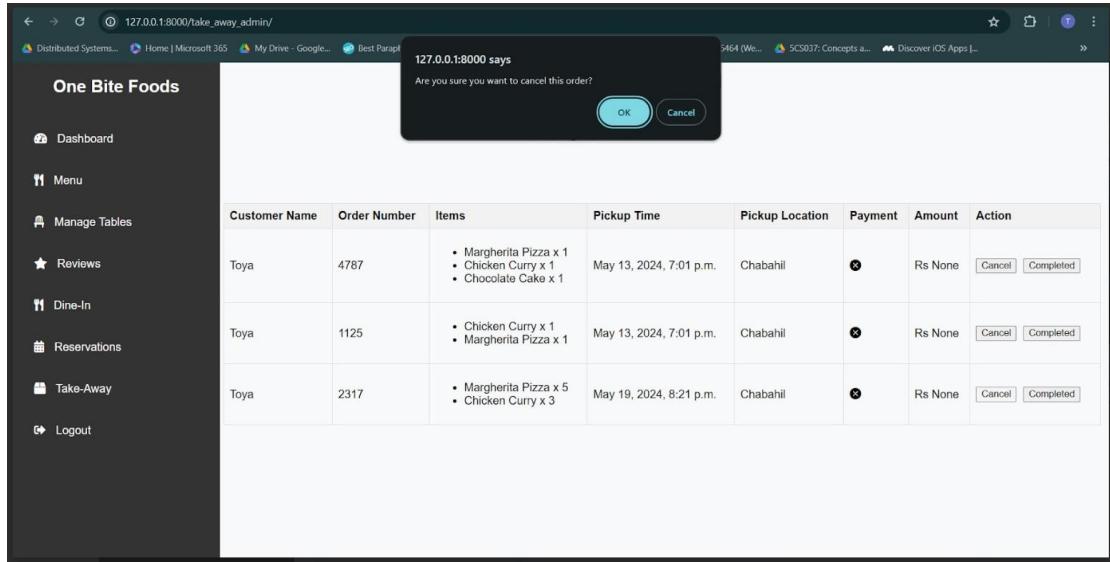


Figure 65: Cancel takeaway

Lastly you have option for log out. You can quit to login panel.

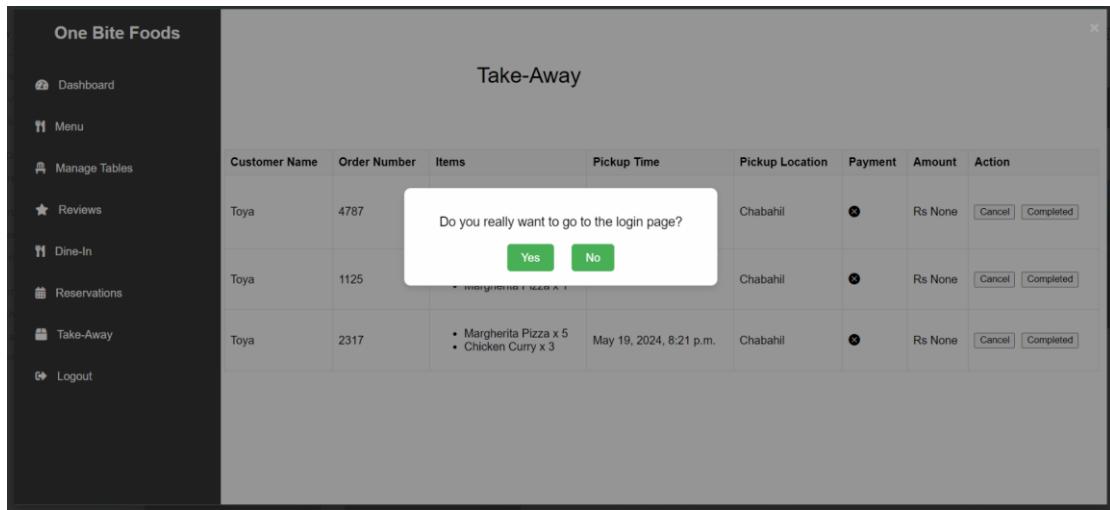


Figure 66: Logout

## Admin section

Admin is the person who manage the staff section like add and remove them, and add and remove menu items and can view the sales report.

Step one: Browse to Staff section in admin interface and click on add button. And enter credentials.

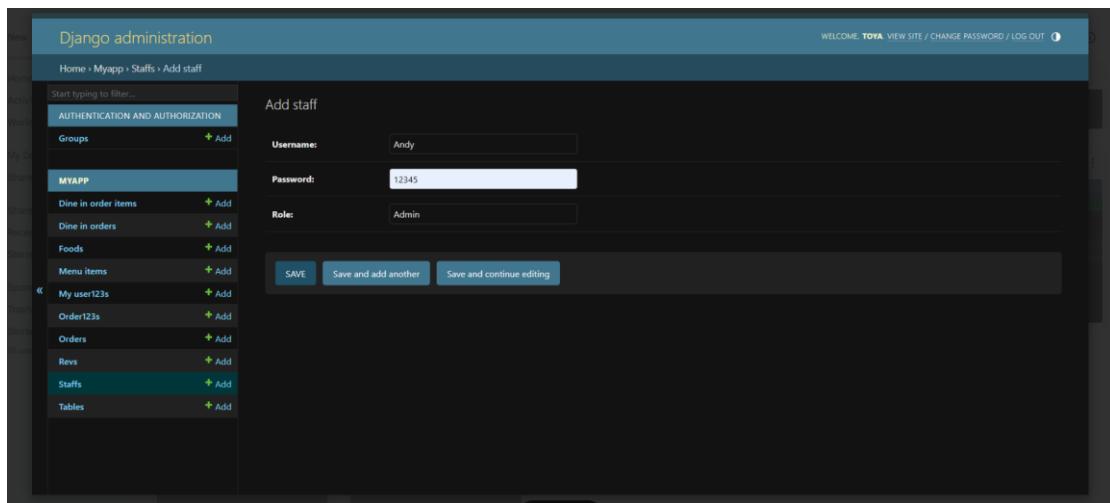


Figure 67: Add staff

Step 2: Click on save button and new staff will be added.

The screenshot shows the Django admin interface for the 'Staffs' model. A success message at the top right states: "The staff 'Andy' was added successfully." The main area displays a table with three rows of staff data:

Action	USERNAME	PASSWORD	ROLE
<input type="checkbox"/>	Andy	12345	Admin
<input type="checkbox"/>	apple	12345	Admin
<input type="checkbox"/>	qqqq	qqqq	Admin

Below the table, it says "3 staffs". On the right side of the table, there is a "SELECT ALL" checkbox and a "GO" button. At the bottom right of the table area, there is a "ADD STAFF" button with a plus sign.

Figure 68: Staff 01

Step 3: You can select the staff name and choose option delete to remove the name.

Another is we can add and remove menu items but the process is similar as the add and remove staff.

Step 1: Browse to menu items section

Step 2: Click on add section and add details for menu items and save it.

The screenshot shows the Django admin interface for the 'Menu items' model. The left sidebar shows the 'MYAPP' section with 'Menu items' selected. The main area is titled 'Add menu item' and contains the following fields:

- Name:** Sekuwa
- Description:** Sekuwa is meat roasted in a natural wood fire charcoal in a traditional Nepalese country style.
- Price:** 150
- Image url:** Currently: [https://f7cdn.net/pg/07/43/56/00/360\\_F\\_743560056\\_bgqrqqB2VB3lcDhdBc9W1gtfvwTlyof.jpg](https://f7cdn.net/pg/07/43/56/00/360_F_743560056_bgqrqqB2VB3lcDhdBc9W1gtfvwTlyof.jpg)  
Change: [nepal.com/images/icons/57d83a71c0ef5c70ba44d2ccb671c0.jpg](http://nepal.com/images/icons/57d83a71c0ef5c70ba44d2ccb671c0.jpg)

At the bottom, there are three buttons: "SAVE", "Save and add another", and "Save and continue editing".

Figure 69: Menu add

Step 3: Similarly you can select one item and press remove option.

Action:	NAME	DESCRIPTION	PRICE	IMAGE URL
<input checked="" type="checkbox"/>	Sekuwa	Sekuwa is meat roasted in a natural wood fire charcoal in a traditional Nepalese country style.	150.00	<a href="https://bhajanepal.com/images/icons/57d883a71c0ef5fc70ba44d2cbbb71cb.jpg">https://bhajanepal.com/images/icons/57d883a71c0ef5fc70ba44d2cbbb71cb.jpg</a>
<input checked="" type="checkbox"/>	Kebab	kebab, dish of Middle Eastern or Central Asian origin that typically combines small pieces of meat such as lamb or beef with vegetables on a skewer and is then grilled.	210.00	<a href="https://cdn.vimg.com/2020-01/a39okhfk_620_625x300_21_January_20.jpg">https://cdn.vimg.com/2020-01/a39okhfk_620_625x300_21_January_20.jpg</a>
<input checked="" type="checkbox"/>	Biryani	Biryani is a celebratory rice and meat dish cherished in the Indian sub-continent.	300.00	<a href="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTuykDty7kY3naDzvLo0_jakUZ_Ny54h_kdw0mpc0K3w&amp;s">https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTuykDty7kY3naDzvLo0_jakUZ_Ny54h_kdw0mpc0K3w&amp;s</a>
<input checked="" type="checkbox"/>	Mojito	The cocktail often	150.00	<a href="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTlUEQvdGyAughUEp4p_H7v0I9IEU2UepdP5cvQzeBg&amp;s">https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTlUEQvdGyAughUEp4p_H7v0I9IEU2UepdP5cvQzeBg&amp;s</a>

Figure 70: Added menu

## Appendix B

### 5. Evidence of good collaboration

#### 5.1. Good communication

Effective communication is crucial for successful project management. Throughout our project, we maintained constant communication using various mediums. We created a formal Google Space named “Hospitality Hub” for meeting announcements, error and bug reporting, and sharing resolutions, adhering to formal syntax and proper English. For informal communication, we used a different space called “Informal Chat” for coordinating project tasks, sharing files, and discussing progress in a more casual manner, enhancing team collaboration. We also held virtual meetings and daily stand-ups on Google Meet, which were vital for discussing project updates, addressing issues, and ensuring alignment. Images of our meetings serve as evidence of our consistent communication practices. This structured approach to both formal and informal communication, combined with regular virtual meetings, kept our team connected,

informed, and productive throughout the project. This strong communication foundation was a key factor in our project's success.

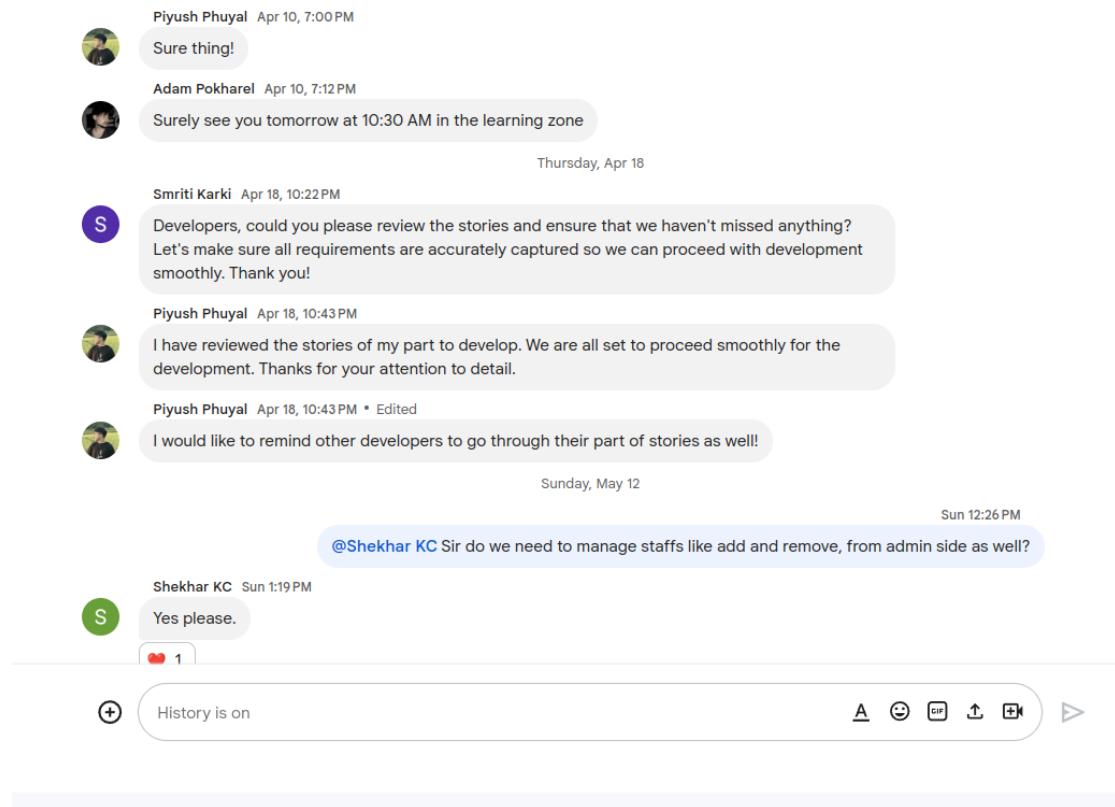


Figure 71: Jira chat

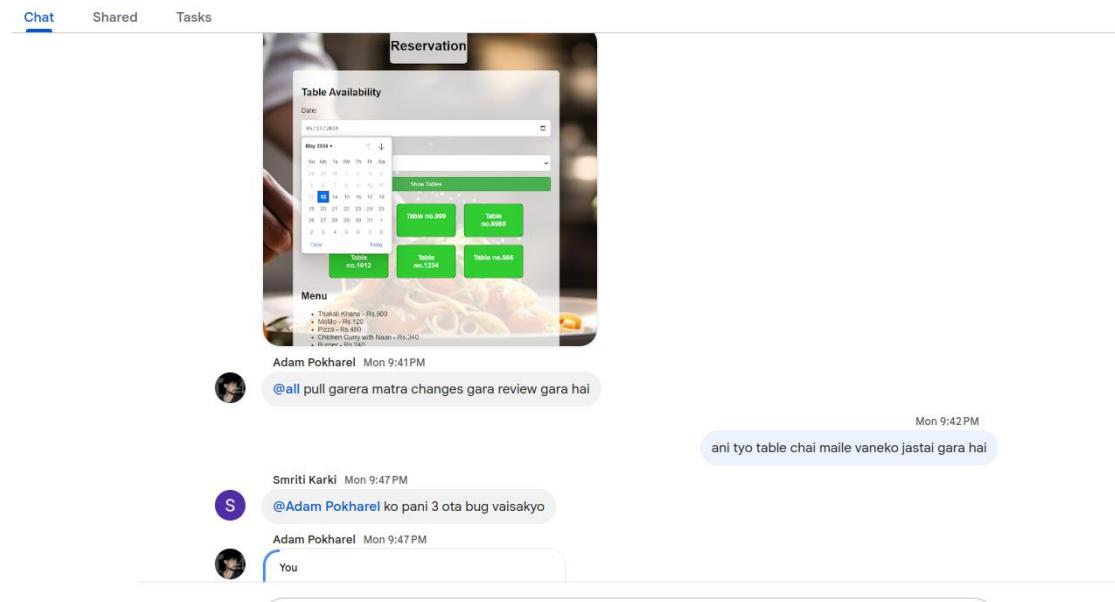


Figure 72: jira 02

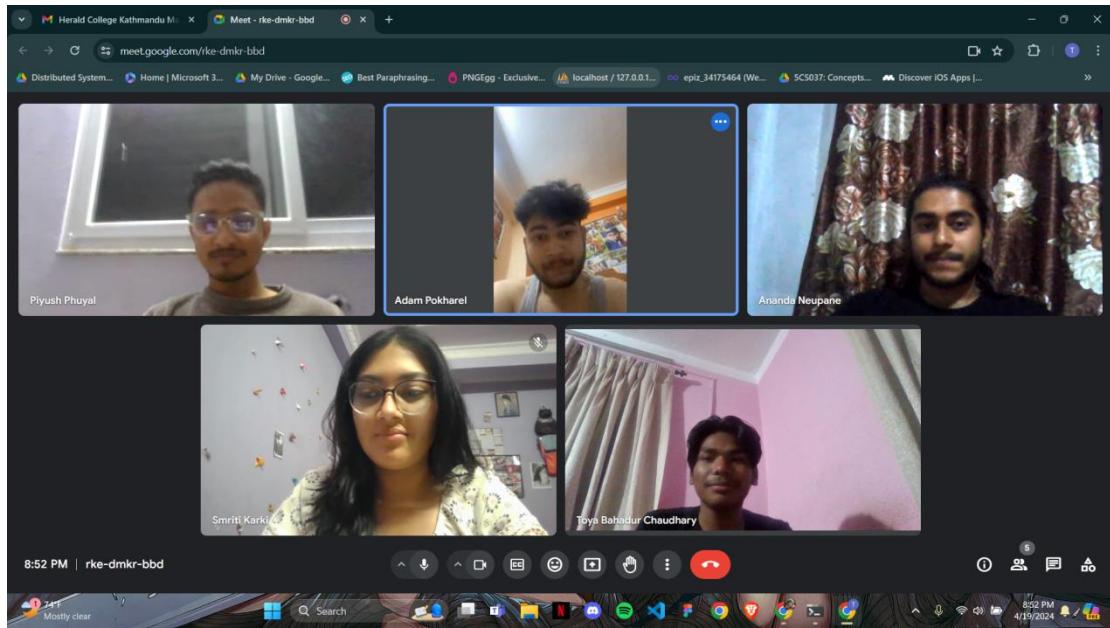


Figure 73: Daily standup meet meeting

## 5.2.File sharing

File sharing in project management is vital for ensuring team members have access to the most current documents and resources needed for efficient project execution. By facilitating real-time updates and feedback, file sharing enhances collaboration, reducing the risk of version conflicts and ensuring that everyone is working with the latest information. Effective file-sharing tools streamline workflows and foster seamless communication, ensuring that all team members are aligned with the project's objectives and progress. This alignment increases productivity and efficiency, crucial elements for achieving project goals within set timelines. In our two-month-long sprints, file sharing played a pivotal role in our project's success. Throughout the sprints, we shared numerous files among team members, which included essential documents such as wireframes, communication plans, meeting agendas, and risk management spreadsheets. Utilizing our formal Google Space, named 'Hospitality Hub,' for file sharing allowed everyone on the team to access these important documents easily. The openness of this platform ensured that files were readily available to all team members, promoting transparency and keeping everyone informed. Moreover, having a centralized location for file sharing reduced the time spent searching for documents, allowing us to focus more on our tasks and collaborate more effectively. This streamlined process not only enhanced our productivity but also fostered a collaborative environment where team members could provide real-time feedback and updates. Overall, effective file sharing significantly contributed to the smooth execution and

successful completion of our project by ensuring that all team members were well-informed and able to contribute their best efforts.

Here are some screenshots of our files, links, media file sharing part in our google space. This helps to keep our team up-to-date with every new announcement and task to perform or attend.

The screenshot shows the Google Space interface. On the left, there's a sidebar with 'Files', 'Links', and 'Media' sections. Under 'Files', there are two items: 'All meetings for sprint 1.pdf' and 'Hospitality hub-Sprint retrospective'. Both were shared by 'me' on 'Monday, Apr 22' and 'Sunday, Apr 14' respectively. Under 'Links', there are three items: 'Figma' (https://www.figma.com/design/szunA7hemz9HsGi84i3DV/RMS11=fI5NXxbhWqyNzDx-1), 'c.ndtvimg.com' (https://c.ndtvimg.com/2020-01/a39okhfk\_620\_625x300\_21\_January\_20.jpg), and '127.0.0.1:8000' (http://127.0.0.1:8000/admin/myapp/menuitem/17/change/). These were shared by 'Smriti Karki' and 'Toya Bahadur Chau...' on 'Today'. Under 'Media', there are five screenshots of a 'Reservations' application interface, showing various stages of the reservation process. A 'View all links' button is located at the bottom right of the links section.

Figure 74: File sharing

We share our code using GitHub, where we maintain a main master repository. Each developer works in their own branch, uploading individual tasks to their respective branch repositories. Once the code is reviewed and validated, it is merged into the master branch. As the project manager, I have access to view the code and perform necessary inspections on the tasks throughout the project's lifecycle. This setup ensures that each developer can work independently while maintaining a central repository for integration. I have uploaded evidence of various branch names, including the master branch, displaying the number of commits made as updates before merging into the master branch. This evidence includes screenshots of the GitHub repository, showcasing the structured approach to code management and collaboration.

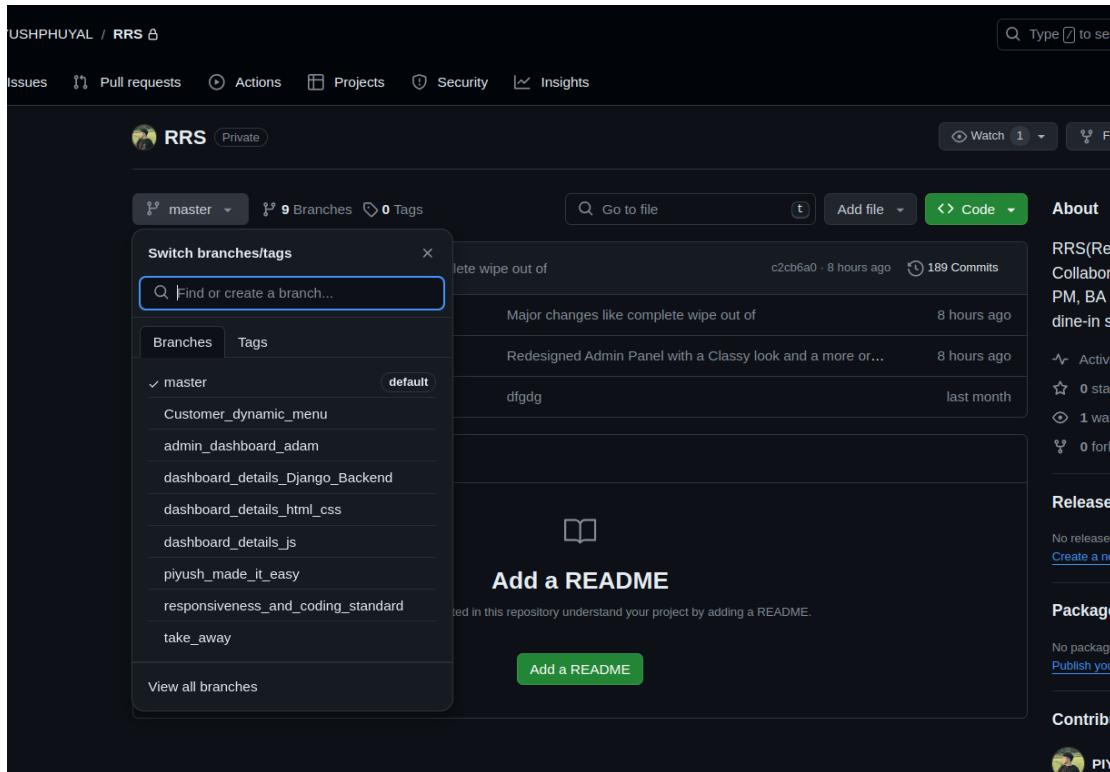


Figure 75: Code sharing from github

GitHub served as our platform for collaborative code sharing and project deployment, ensuring accessibility from anywhere globally. We established a main repository and individual branches for each user story, allowing developers to work independently. After thorough code review and approval from all team members, changes were merged into the main branch. Regular zip backups were taken to safeguard against data loss, maintaining the integrity of our work throughout the project.

## 6. Continuing Personal Development (CPD)

Continuing personal development in project management is essential for professionals to stay relevant and effective in their roles. It involves ongoing learning and growth, encompassing various aspects such as acquiring new skills, gaining experiences, and refining perspectives. As a project manager, this journey involves tackling challenges, improving team management, and adopting better strategies for successful project outcomes. One crucial aspect of personal development in project management is staying updated with industry insights and best practices. (CDP, 2024)

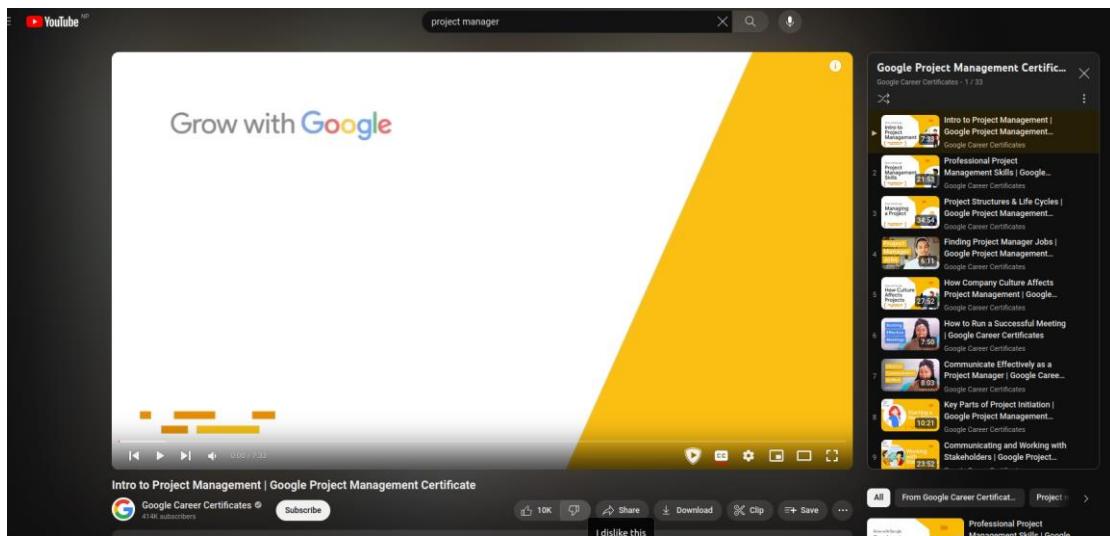


Figure 76: Youtube channel

Hereby, I have browsed Platforms like YouTube which offer valuable resources, such as the 'project management' channel, which provide insights into diverse project management tasks, team coordination, and task execution strategies. By regularly exploring such channels, I was able to enhance my abilities and foster a collaborative work environment within my teams. Moreover, completing a playlist for the Google Project Management Certificate on YouTube adds to the depth of knowledge and skills. This certificate covers a wide range of project management topics, providing a comprehensive understanding of industry standards and best practices. It equips me with the tools and techniques needed to navigate challenges, drive project success, and lead teams effectively at the end completion of a project.



Figure 77: Course era certificate 01



Figure 78: Course era certificate 02

In addition to YouTube, enrolling in online courses deepen my understanding and skills in project management. Courses from platforms like Great Learning and Coursera offer structured learning experiences on topics like project initiation, project planning, roadmaps in Jira, business analysis, and more. These courses typically provide bite-sized videos, making it easier to digest complex concepts and apply them directly to real-world projects. I have completed two different courses from coursera on the topic roadmaps in jira and another business analysis and project management which significantly benefit me by enabling actions to effectively plan and track project progress. Similarly, understanding business analysis in project management helps in making informed decisions and managing project requirements efficiently. These courses contribute to enhancing my skills in risk management, communication, resource allocation, and overall project success.

Overall, continuous personal development in project management through online resources like YouTube channels and structured courses plays a vital role in enhancing skills, improving team management, and achieving successful project outcomes for me and my team. It empowers me to adapt to changing environments, make informed decisions, and deliver value to stakeholders effectively.

## 7. Issue Tracking

Issue tracking plays a vital role in project management, akin to maintaining a detailed diary for projects. It involves documenting every hiccup, task, or change, which enhances teamwork by keeping everyone informed about the project's status and responsibilities. This transparency makes decision-making more straightforward as stakeholders can identify and prioritize issues that require immediate attention, thus preventing them from escalating into larger problems. (Aha!, 2024)

During code reviews conducted by Business Analysts (BAs) and within the developer team, various bugs and issues were identified and resolved. The development team utilized tools like GitHub for collaboration, especially in resolving internal code issues. The backend and database developer played a crucial role in ensuring the synchronization of frontend and backend components, which led to meaningful and functional outputs for clients. Moreover, effective issue tracking practices were evident in the regular use of Jira for documenting tasks, clarifying code functionalities, and tracking the resolution of issues. The collaborative approach among developers in addressing code-related challenges further contributed to the successful functioning of the codebase and the overall usability of the website. By emphasizing code review and continuous collaboration, the team maintained a high standard of code quality,

minimized the occurrence of major bugs, and ensured the successful deployment of projects. This structured approach to issue tracking not only facilitated smoother teamwork but also provided valuable insights for improving future project outcomes.

Here, i am describing a scenario of bug that we encountered during our code review and the resolving steps also.

Scenario: Incorrect date selection capability in takeaway orders

Bug Title: Able to be Place Orders in Past Date and Time

The screenshot shows a bug report interface. At the top, there are navigation links for 'SCRUM-20 / SCRUM-48'. Below the title, there are several icons: a magnifying glass, a person icon, a mail icon, and three dots. The main content area has a heading 'Description' followed by a detailed text about the bug. It then lists 'Steps to Reproduce' and 'Expected Result'. A red button labeled 'AN' is on the left, and a comment input field with placeholder text 'Add a comment...' is on the right. On the far right, there is a vertical sidebar with various status indicators and labels like 'Ass', 'Ass', 'Lab', 'Par', 'Spr', 'Sto', 'Rel', and 'Rec'.

**Incorrect Date Selection Capability in Takeaway Orders.**

**Description**

Currently, users have the ability to select dates from past weeks when placing a takeaway order. However, the expected behavior is for users to only be able to select today's and tomorrow's date for their takeaway orders.

**Steps to Reproduce:**

- Open the app and navigate to the takeaway ordering section.
- Attempt to select a date from a past week using the date picker.

**Expected Result:**

- Users should only be able to select current dates for their

**AN** Add a comment...  
Pro tip: press M to comment

Figure 79: Bug reported

**Steps to Reproduce:**

Log in to the application using valid credentials.

Navigate to the "takeaway" section of the application.

In the order form, attempt to select a past date and time for placing an order.

Fill in the required order details (e.g., item, quantity, delivery address).

Click on the "Place Order" button.

**Actual Result:**

The system allows the user to select a past date and time for placing the order. An error message or warning notification should be displayed, indicating that orders cannot be placed for dates and times in the past. However, in this case, either no message is shown, or the order form allows submission without proper validation, resulting in incorrect order placement.

**Expected Result:**

When attempting to select a past date and time for placing an order, the system should display a clear error message or warning notification to inform the user that ordering for past dates and times is not permitted. The order form should prevent submission

until a valid future date and time are selected, ensuring data integrity and preventing inconsistencies in order processing.

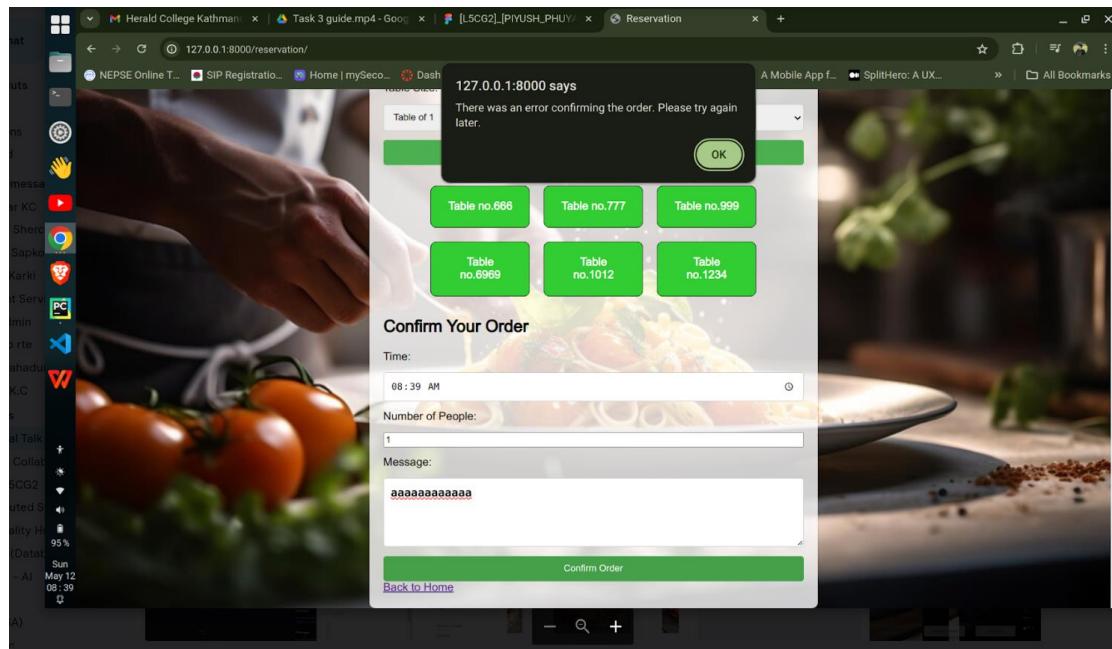


Figure 80: After bug resolved

This bug hinders the application's functionality and user experience, as it allows for potentially erroneous order placements and violates the standard business logic of not accepting orders for past dates and times. These challenges influence us with the necessity of consistent and organized code management and follow the coding standards to resolve future errors and maintain a consistent project completion.

Overall, A well-implemented issue tracking system is the cornerstone of effective project management, facilitating seamless collaboration, informed decision-making, and early problem resolution. Our proactive issue handling approach during code reviews, coupled with transparent communication, significantly enhances project progress and outcome quality. A robust tracking system is paramount for achieving excellence and ensuring project success.

## 8. Working on deadline

Working on a deadline adds a layer of urgency and focus to a project. It compels individuals to manage their time efficiently, prioritize tasks, and collaborate effectively with team members. Deadlines serve as tangible markers for progress,

motivating individuals to stay on track and deliver results within the specified timeframe. They also foster accountability and responsibility, as each team member understands their role in meeting the deadline and achieving project goals. However, working under tight deadlines can also bring about stress and pressure, requiring individuals to maintain a balance between productivity and well-being. Effective communication and time management strategies are essential in navigating deadline-driven environments, ensuring that tasks are completed promptly without compromising quality. Moreover, meeting deadlines instills a sense of accomplishment and satisfaction, showcasing the team's capabilities and commitment to success. (stage, 2024)

Project Name:	DineEase	Project Lead:		Start Date:	03/18/2024	End Date:	05/13/2024	Weeks in Progress:	Week 8	03/18/2024 wK 1	03/25/2024 wK 2	04/01/2024 wK 3	04/08/2024 wK 4	04/15/2024 wK 5	04/22/2024 wK 6	04/29/2024 wK 7	05/06/2024 wK 8
<b>Sprint 1</b>																	
<b>Login and Signup</b>																	
Task 1 Adam Pokhrel 3/18/2024 3/26/2024 8																	
Task 2 Toya Chaudhary 3/18/2024 03/27/2024 9																	
<b>Dashboard details</b>																	
Task 1 Toya Chaudhary 03/27/2024 04/11/2024 15																	
Task2 Adam Pokhrel 03/28/2024 04/10/2024 13																	
<b>Dine-in order</b>																	
Task1 Piyush Phuyal 03/18/2024 03/30/2024 12																	
Task2 Piyush Phuyal 03/29/2024 04/09/2024 11																	
<b>Sprint 2</b>																	
<b>Reservation and pre order</b>																	
Task 1 Adam Pokhrel 4/16/2024 4/30/2024 14																	
Task 2 Adam Pokhrel 5/1/2024 05/08/2024 7																	
<b>Takaway Foods</b>																	
Task 1 Piyush Phuyal 04/16/2024 05/02/2024 16																	
Task2 Piyush Phuyal 05/03/2024 05/12/2024 9																	
<b>Manage Staffs and menu</b>																	
Task1 Toya Chaudhary 04/16/2024 05/01/2024 15																	
Task2 Toya Chaudhary 05/02/2024 05/12/2024 10																	

Figure 81: Project Schedule

Generally, to manage every tasks to complete all on deadline was very hard with our new team. They were working hard on their task but the deficiency in estimation of story points caused the issue for them to complete tasks on time. We miscalculated the story points and our team performance went down. Most of the tasks were crossing deadlines. we manage to give a week for task with 3 story point and 12 days for the tasks containing 5 points. But our calculation went very harsh that we were unable to complete any tasks within certain time. So, we use to keep that task on

progress and complete first than starting new on.

The screenshot shows a Jira project details page for 'SCRUM-3 / SCRUM-16'. The left sidebar lists 'Child issues' with three items: 'SCRUM-36 HTML Developer: C...', 'SCRUM-37 CSS Developer: Im...', and 'SCRUM-38 Django Developer: ...'. All three tasks are marked as 'DONE' with a story point estimate of 5. The right panel displays project details: Assignee (Piyush Phuyal), Labels (None), Parent (NEW SCRUM-3 Order for d...), Story point estimate (5), Reporter (Smriti Karki), and a timeline showing creation on March 18, 2024, at 6:41 PM, update on April 12, 2024, at 8:43 AM, and resolution on April 8, 2024, at 9:55 PM. A 'Configure' button is also present.

Figure 82: Project details

Here you can see detail of the time taken by our fellow members to complete a single 5 points task. But this one is the highest so I am presenting with this photo. The tasks was very hard felt to complete by the developers. The task was to build a full dashboard and review section and we miscalculate it to complete in 5 story point. I think we would have make it into two tasks and create different user stories and assigned differently to developers. This would increase their performance and complete the tasks on time.

Moreover, using new technology is also one of the issues here, as our team struggles to adapt to Django and PostgreSQL, they find it as a challenging task to use these tools effectively for web development and database management. This could stem from a lack of familiarity or experience with the technologies, leading to slower progress and difficulties in implementing features. Without proper adaptation, the team may encounter errors, face obstacles in integrating components, and experience

setbacks in project timelines. It's essential to provide support and resources to help the team overcome these challenges and become proficient in using Django and PostgreSQL for successful project delivery.

## 9. Conclusion

In conclusion, our collaborative project has been a testament to effective project and people management. Utilizing tools like Jira, we efficiently organized tasks through Gantt Charts, ensuring clear project schedules and milestones. Regularly conducted meetings, accompanied by detailed Meeting Minutes and adherence to Meeting Schedules, facilitated transparent communication and alignment among team members. Moreover, meticulous Attendance tracking ensured everyone's involvement and accountability. For the client presentation, we crafted compelling slides and comprehensive User Manuals, showcasing our project's functionality and usability. The Project Manager's leadership ensured a seamless presentation, highlighting the project's key features and addressing client inquiries with expertise. Our collaboration document reflects the ethos of teamwork, fostering good collaboration, personal development through reflective essays, rigorous issue tracking, and a commitment to meeting deadlines. These elements contributed to the project's success, fostering a conducive environment for productivity and growth. Lastly, the Sprint Retrospective allowed us to reflect on our performance, identifying areas for improvement and celebrating our achievements. Through effective collaboration, diligent project management, and client-centric presentations, our collaborative project stands as a testament to our collective efforts and dedication to excellence.

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