



KitchenSync

Team **Neon** Nomads

Agenda



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Agreement



MVP



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Retrospective



WebApp Screenshots



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Burndown Chart



Github Link





Introduction

KitchenSync is a comprehensive platform designed to make meal planning and pantry management a simple part of your daily routine. It's not just another tool for organizing the kitchen. Whether you're a working professional with a hectic schedule or a parent balancing the obligations of family life, KitchenSync is here to make your kitchen experience more efficient.





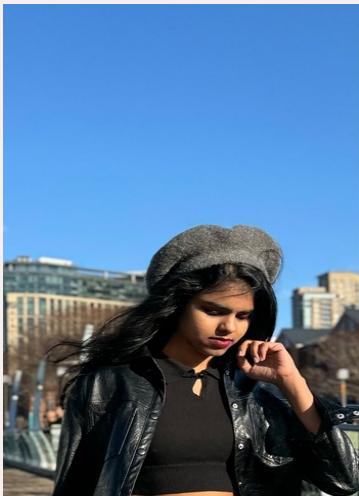
Project Description

KitchenSync streamlines your pantry management and meal planning seamlessly.

For those with active lifestyles and families
who find it challenging to keep up with their pantry inventory and curb food disposal,
the KitchenSync
is a sophisticated kitchen assistance platform,
that enhances the management of your pantry and offers recipe options that fit your available ingredients, organizes meal plans, and reminds you of the shelf life of your food items,
unlike conventional inventory systems and static shopping list apps
our application intelligently adapts to your dietary preferences and schedule,
guaranteeing the optimal use of your groceries and simplifying the meal preparation process.

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Team Members & Roles



**Hemanvitha
Mylapalli**

Frontend Developer
Team Leader

**Shashank
Akavaram**

Frontend Developer
Scrum Master

**Yuga Kapil
Krishna
Maytheramatla**

Backend Developer

**Neha
Srinivasaiah**

Devops Engineer

Team Members & Roles



**Sasank
Nannapaneni**
Software Developer



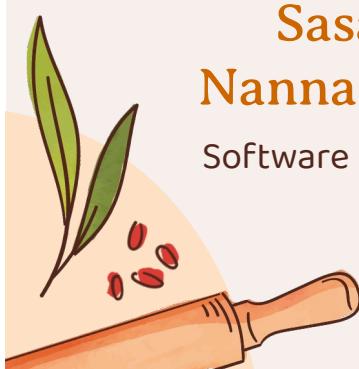
**Bala Sahithi
Kamana**
Backend Developer



**Aditya
Gadhav**
Software Developer



**Sujitha
Chethireddy**
Software Test
Engineer





Teamwork Aggrement

The goal of our Teamwork Agreement is to establish expectations for behavior in an attempt to foster collaboration and productivity.

Agendas are distributed beforehand by WhatsApp or email.

The specific roles and responsibilities of each member may vary as the project progresses.

One meeting per week is scheduled for Saturdays, and daily meetings are held for Scrum. Important decisions will be made collectively, documented, and shared with all participants.

[Document link :Team work aggrement.doc](#)



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Personas

A persona is an imaginary client that personifies the traits of a subset of your customers. For the purpose of creating your product or service, the Persona provides useful information about those clients' demographics. Their objectives, driving forces, and constraints.

Persona 1

Cael

21 years old,
freshman

Background:

A freshman at Pace University from a low-income family living in a dormitory. He's on a tight budget and needs to make his grocery shopping as efficient as possible.

Personality:

Cheerful, disciplined, hardworking, initiative

Needs:

Cael wants a system that can help him manage his dormitory mini fridge and pantry inventory, suggest recipes based on available ingredients, and remind him to replenish items before they expire.



Persona 2

Ella

32 years old,
Advocate

Background:

Ella is an advocate who is leading a busy lifestyle. She is health conscious and enjoys cooking nutritious meals at home.

Personality:

Altruistic, organized, passionate, perseverance

Needs:

Ella is mindful of food waste and wants a system that efficiently handles her food inventory. She seeks a system that recommends recipes according to her dietary preference and nutritional goals while also alerting her of the upcoming expiry dates of her inventory.



Persona 3

Michelle

44 years old,
Busy Mom

Background:

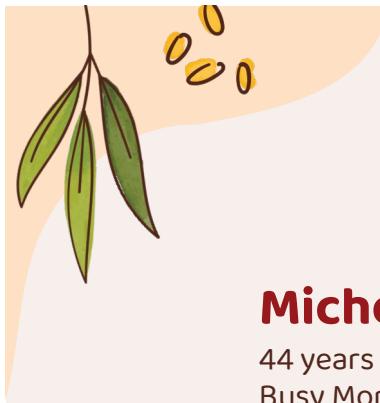
Michelle is a working mom of four. She juggles between a demanding job and household responsibilities.

Personality:

Empathetic, forgiving, nurturing, patience

Needs:

Michelle frequently struggles with meal planning and often finds herself throwing food away. She desires a system that assists her in monitoring her food inventory and suggests simple and healthy recipes based on available ingredients and notify her of upcoming expiration dates.



Persona 4

Diego

49 years old,
Restaurant Manager

Background:

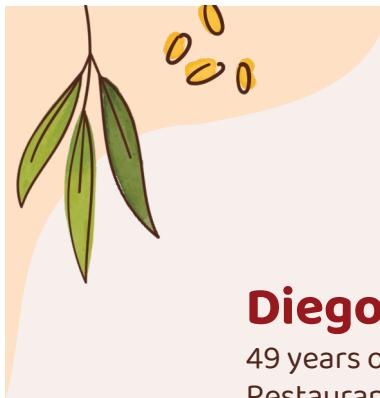
Diego manages a small restaurant specializing in local cuisine. He's constantly balancing various tasks and often overlooks inventory management, leading to occasional food wastage.

Personality:

Creative, Community-Minded,
Entrepreneurial, Passionate

Needs:

Diego desires a system that can assist him in monitoring the restaurant's food inventory, suggest recipes utilizing existing ingredients, and alert him about nearing expiry of food items.





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MVP(Minimal Viable Product)

The MVP of KitchenSync aims to streamline pantry management for busy individuals and families, organizing ingredients, and sending food expiry reminders. It aims to reduce food waste and make cooking easier by adapting to users' dietary needs and schedules.

Benefits: KitchenSync aims to reduce food waste and costs, increase meal prep efficiency, improve nutritional goal adherence, and decrease expired food consumption through smart pantry tracking, tailored recipes, meal planning, and freshness reminders.

User Stories

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As a student I want to limit the amount I spend on food so that I manage my expenses and also eat healthy

As a mom I want to have knowledge about my pantry so that don't spend money unnecessarily

As a International student I want to be able to cook for myself so that I could be self sufficient

As a chef I want to utilize my pantry products to the fullest so that I don't waste food

As a user, I want to register and login to the web app so that I can manage my pantry online.

Document link :Userstories.pdf

As a user, I want to add items to my pantry inventory along with their expiry dates so that I can keep track of what I have and when it expires.

As a bakery owner, I want to receive recipe recommendations that help me utilize perishable ingredients efficiently.

As a restaurant owner, I want to set alerts for expiring products so that I can prioritize their use in kitchen operations and minimize food waste.

As a parent with a hectic schedule, I want to be able to organize my family's meal plans for the week ahead, including lunch for school and dinners for the whole family, so that I can ensure everyone is eating healthy and nutritious meals without the stress of last-minute planning.

As a health-conscious athlete, I want to prioritize tracking expiry dates in my pantry so that I fuel my performance with fresh, nutrient-rich foods, optimizing my diet for peak physical condition and recovery.



Test Cases

Test Case 1: User Account Creation and Login

- Test the sign-up process with valid and invalid data.
- Test the login process with valid and invalid credentials.
- Test password recovery process.

Test Case 2: Pantry Management

- Test adding items to the pantry.
- Test updating and deleting items in the pantry.
- Test searching and sorting the pantry items.

Test Case 3: Expiration Dates tracking

- Test alert generation for items that are approaching expiry dates.
- Test the time frames for when the alerts should be sent.

Test Case 4: Recipe Recommendations:

- Test generating recipe recommendations based on current pantry items.
- Test filtering recipes based on dietary restrictions or preferences.
- Test the system's response when there are insufficient items for any recipe recommendation.



09 Acceptance Criteria

Acceptance Criteria For Test Case 1:

- The user can create an account using email and setting a password.
- The user can log in using his email and password.
- The user can recover or reset their password using their verified email.

Acceptance Criteria For Test Case 2:

- The user can add their pantry with the required information.
- The user can edit or delete items from their pantry.
- The user can view their pantry as a sorted list by name or expiry date.

Acceptance Criteria For Test Case 3:

- The user receives alerts for the pantry items in the set time frames.
- The user can customize alerts timeframes.

Acceptance Criteria For Test Case 4:

- The application suggests recipes based on the items available in the pantry.
- The system allows the user to filter recipes by dietary restrictions.
- If pantry items are insufficient for recommendations, the system informs the user accordingly.



Product Backlog

Sprint 2 (feb 15-mar 13)

Projects / Neon Nomads

Backlog

<input checked="" type="checkbox"/> SCRUM-25 Decide on MVP	DONE	✓	23 FEB	10			
<input checked="" type="checkbox"/> SCRUM-26 Work on Architecture Diagram	DONE	✓	05 MAR	3		BK	
<input checked="" type="checkbox"/> SCRUM-27 Work on Class Diagrams	DONE	✓	03 MAR	3		SA	
<input checked="" type="checkbox"/> SCRUM-28 Work on State Diagram	DONE	✓	04 MAR	3		AG	
<input checked="" type="checkbox"/> SCRUM-29 Work on ER diagrams	DONE	✓	29 FEB	3		YM	
<input checked="" type="checkbox"/> SCRUM-30 Work on Context Diagram	DONE	✓	28 FEB	3		S	
<input checked="" type="checkbox"/> SCRUM-31 Work on Sequence Diagram	DONE	✓	01 MAR	3		N	
<input checked="" type="checkbox"/> SCRUM-32 Work on User Stories	DONE	✓	07 MAR	5		HM	
<input checked="" type="checkbox"/> SCRUM-33 Login Page	DONE	✓	10 MAR	6		SA	
<input checked="" type="checkbox"/> SCRUM-34 Home Page	DONE	✓	11 MAR	6		HM	
<input checked="" type="checkbox"/> SCRUM-35 Backend Tables	DONE	✓	29 FEB	5		YM	
<input checked="" type="checkbox"/> SCRUM-36 Presentation	DONE	✓	11 MAR	7		N	
<input checked="" type="checkbox"/> SCRUM-37 Test Cases	DONE	✓	11 MAR	3		HM	
<input checked="" type="checkbox"/> SCRUM-38 Retrospective	DONE	✓	11 MAR	8			
<input checked="" type="checkbox"/> SCRUM-39 Wikipage	DONE	✓	13 MAR	8		HM	
<input checked="" type="checkbox"/> SCRUM-41 Acceptance Criteria	DONE	✓	11 MAR	3		HM	

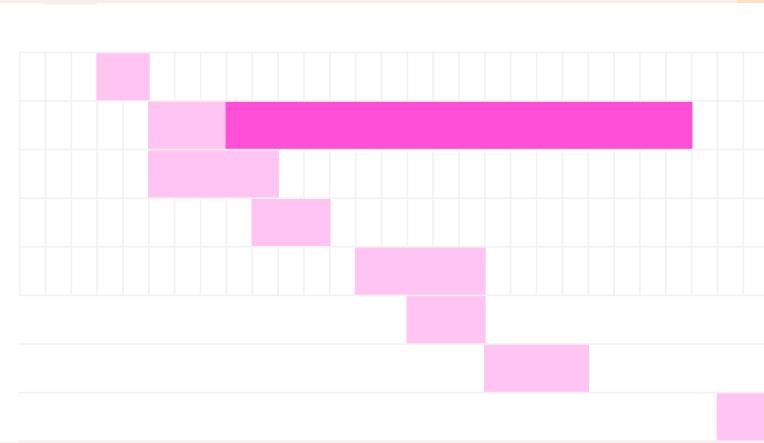


Schedule

Sprint 2 (Feb 15- March 13)

Sprint 2 (2/15/24 - 3/13/24)

Slide Improvements from Professor Fei Sujitha	Team	100%	2/15/24	2/16/24
Working on MVP	Team	15%	2/17/24	3/8/24
Diagrams	Team	100%	2/17/24	2/21/24
Product Backlog	Team	100%	2/21/24	2/23/24
Test Cases	Team	100%	2/25/24	2/29/24
Application Demo Video	Shashank Akavaram	100%	2/27/24	2/29/24
Calculating Metrics	Team	100%	3/1/24	3/4/24
Retrospective	Team	100%	3/10/24	3/11/24





Schedule

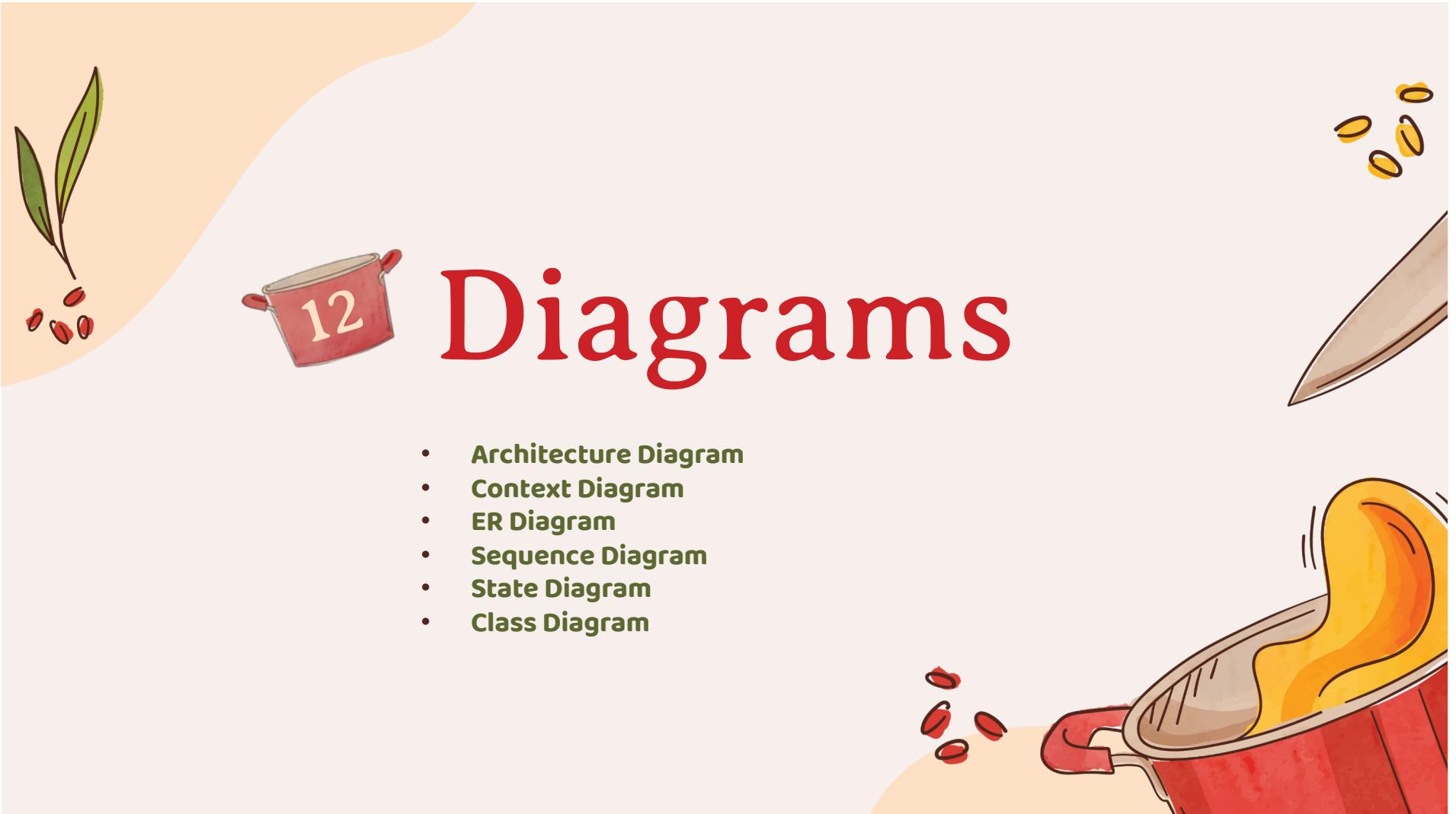
Next Sprint 3 (March 15- April 10)

Sprint 3		
Team working Agreement	To be Assigned	0%
Working on MVP	To be Assigned	0%
Prepare Test Cases	To be Assigned	0%
Preparing backlog	To be Assigned	0%
Retrospective	To be Assigned	0%
Calculating Metrics	To be Assigned	0%

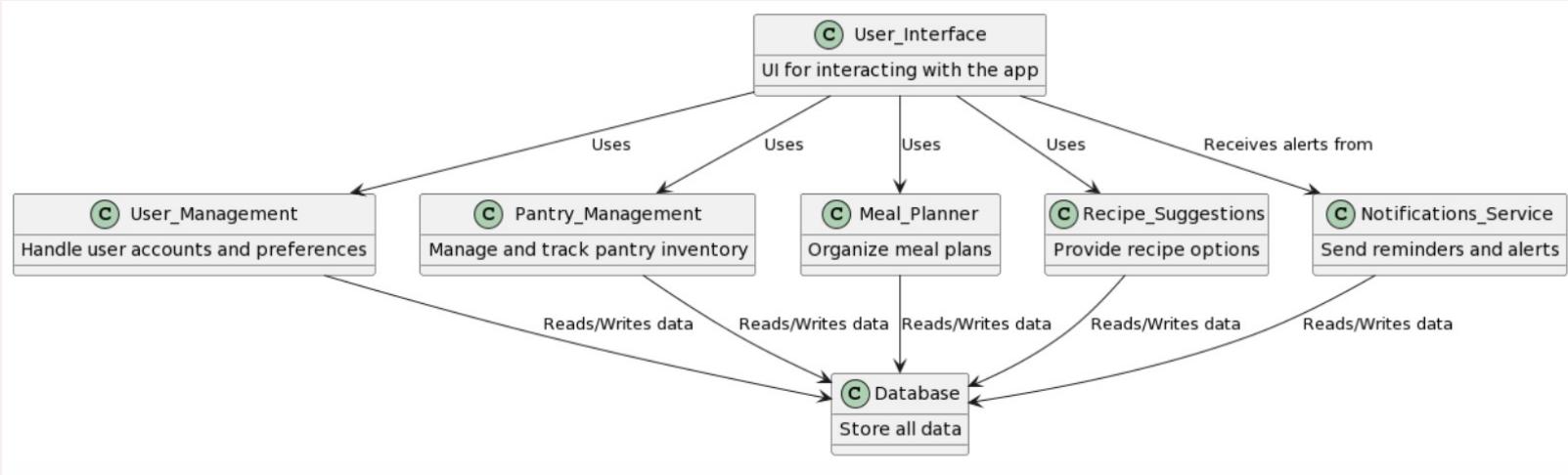


Diagrams

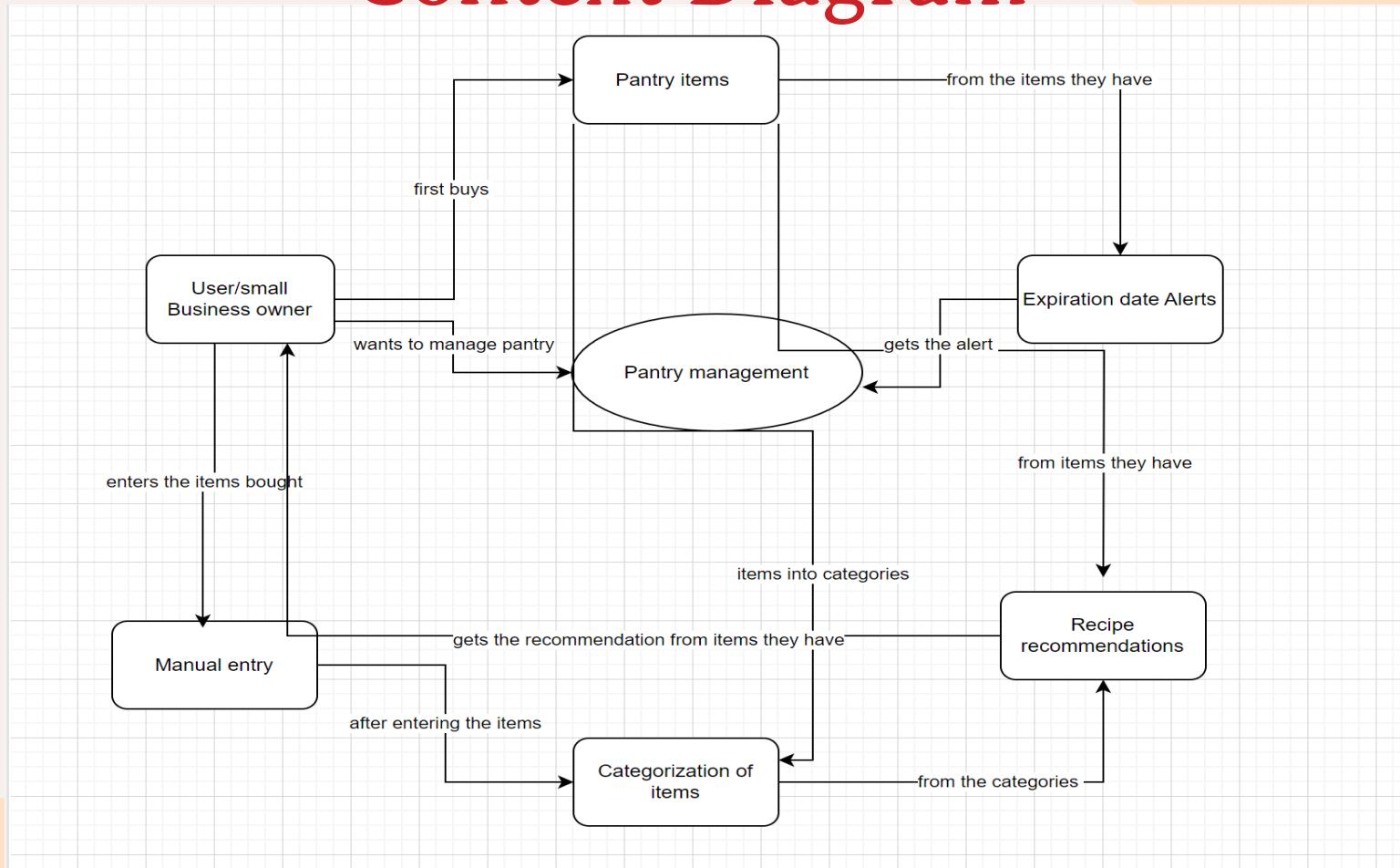
- Architecture Diagram
- Context Diagram
- ER Diagram
- Sequence Diagram
- State Diagram
- Class Diagram



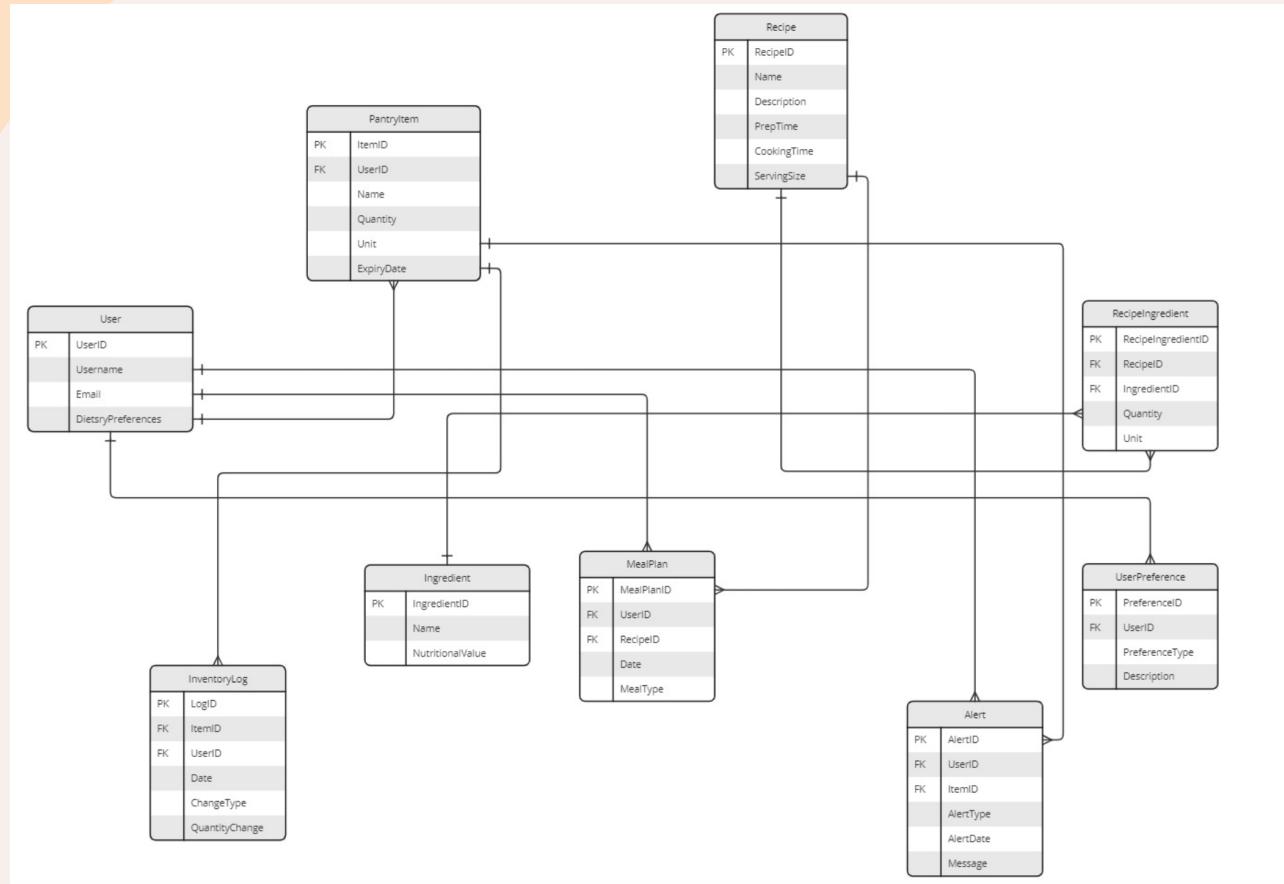
Architecture Diagram



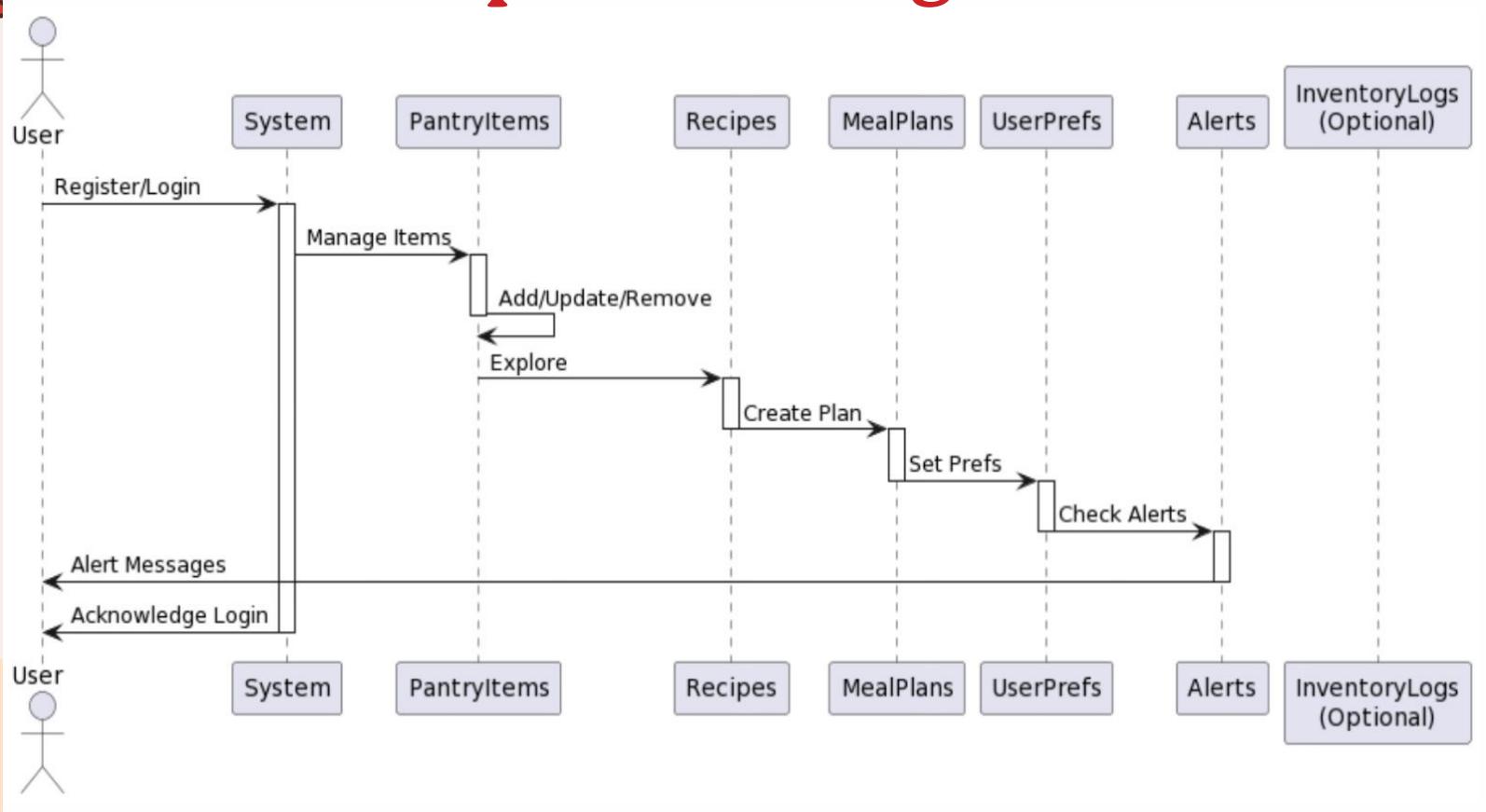
Context Diagram



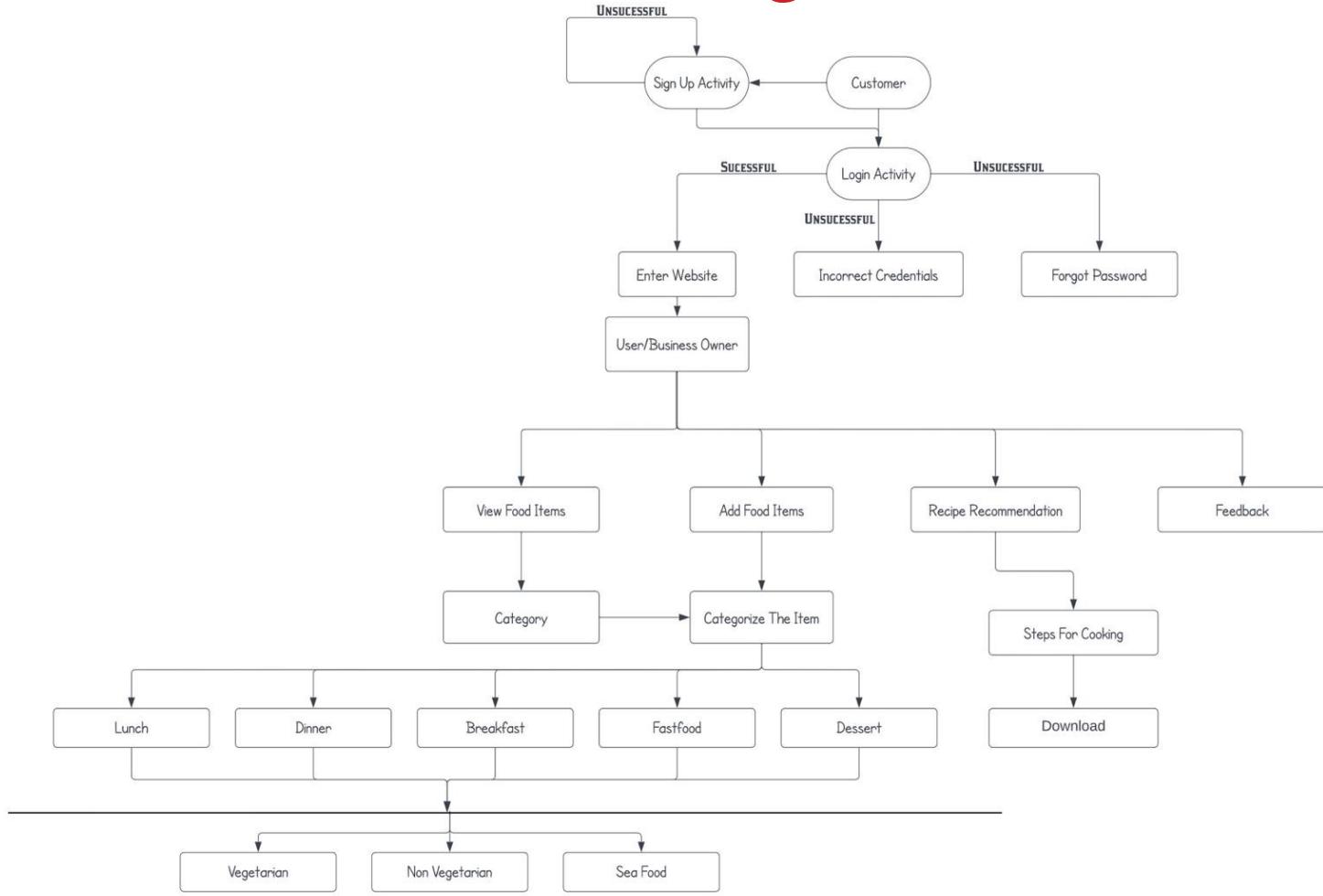
ER Diagram



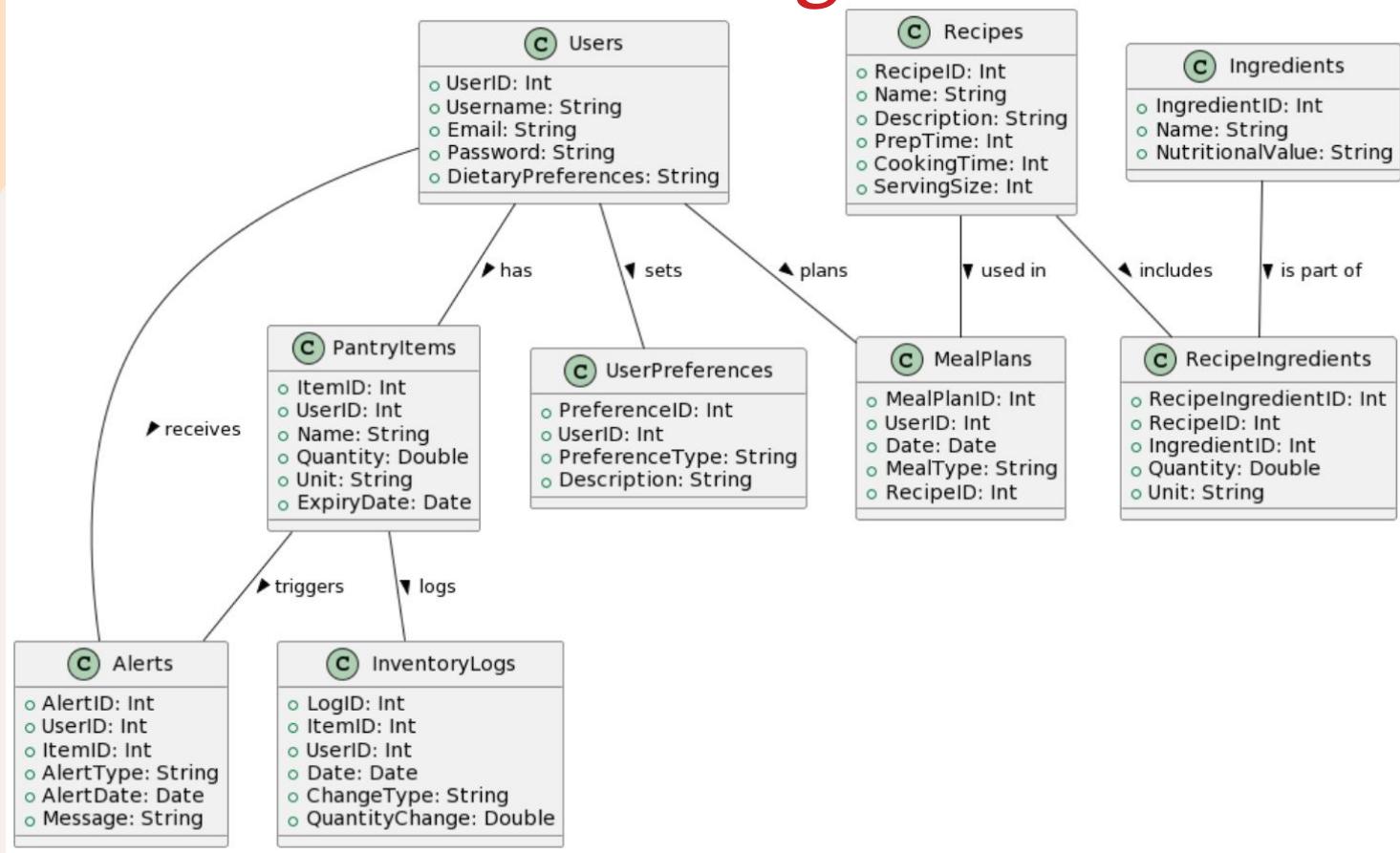
Sequence Diagram



State Diagram



Class Diagram



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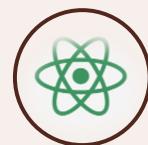
Technologies and Languages



Java



HTML



React



JavaScript



NodeJS



MySQL



VisualStudio
Code



GitHub



Jira Board



Figma



Algorithms and Libraries



Scikit Learn



PyTorch



SpringBoot



django

- K-Nearest Neighbours
- Logistic Regression
- Decision trees
- Long Short Term Memory Networks

Retrospective

What went well +

Aditya- Delivering the assigned tasks on time + 2	Neha-distribution of task + 3
Shashank Akavaram: planning tasks deadlines internally before submission + 4	Hemanvitha - Time taken to finalize a decision. I personally think that we took way less time to finalize on a decision than we did in last sprint. + 2
Sahithi -> Adaptability to Changes and Feedback + 4	KAPIL-> Managing unplanned items during the sprint. + 1
Sasank-Communications with the team and understanding all the deliverables + 3	KAPIL-> Feedback sessions among each other. + 1
sujitha-> User stories from everyone + 1	

What can be improved +

Neha - task Monitoring + 3	Aditya- Regular updates on ongoing tasks + 2
Sahithi->Team Meetings + 1	Shashank Akavaram : Everyone joining meetings at planned time + 3
sujitha-> frequency of group meeting + 1	sujitha-> self reflection on completion of tasks + 1
Hemanvitha - Review sessions of completed tasks + 7	Sasank -Managing time to have a meet every alternate days to know the progress + 2
Kapil- Completing the work within given timeline. we didn't have extra time but felt like we could improve on this. + 72	

Action Items +

We should put up a schedule for a review sessions, like preferably alternate days. + 0	Fix upon a schedule. When someone can't join the scheduled meeting please inform beforehand. + 0
Communicate with other teammates or your classmates if you feel like lagging behind on your part. + 0	

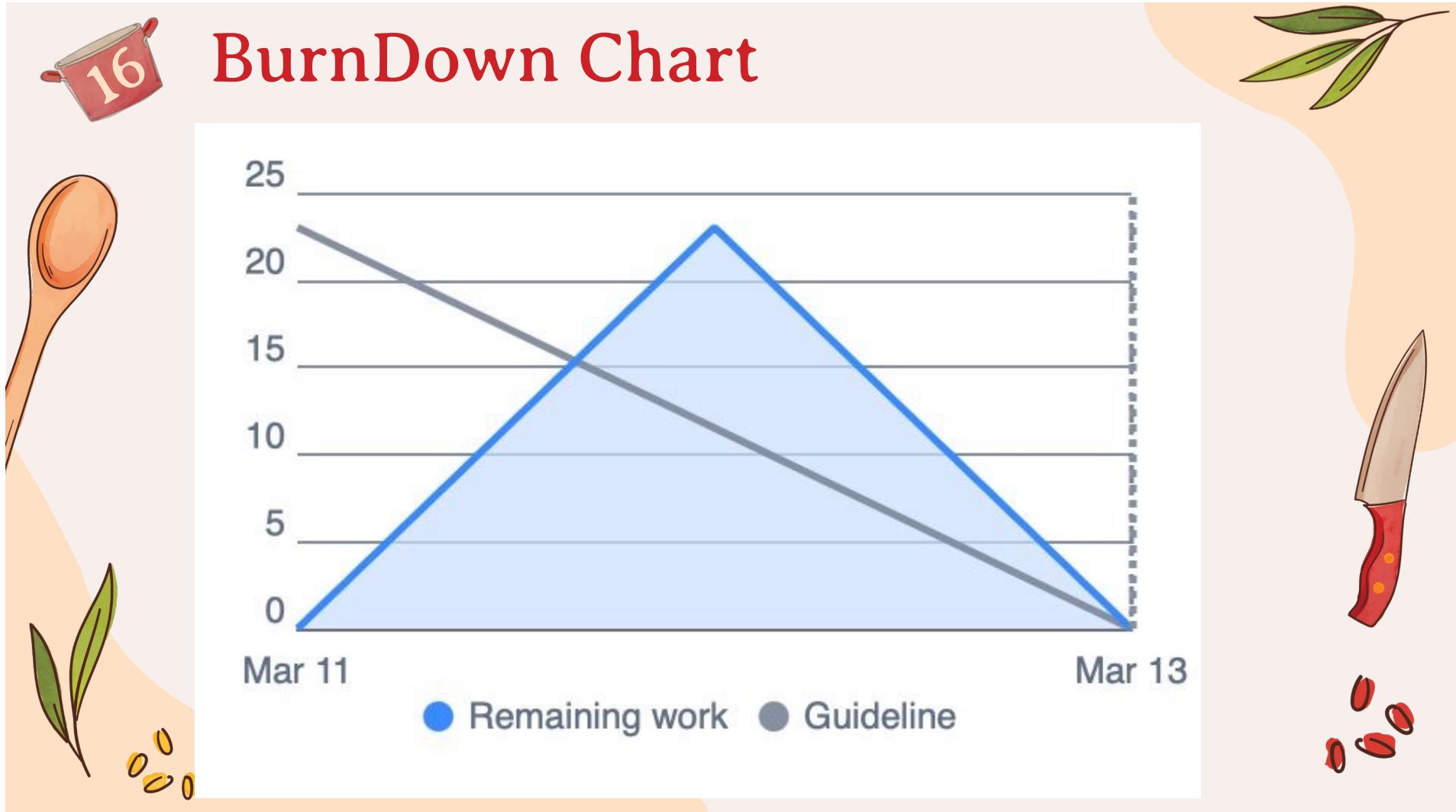
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BurnDown Chart

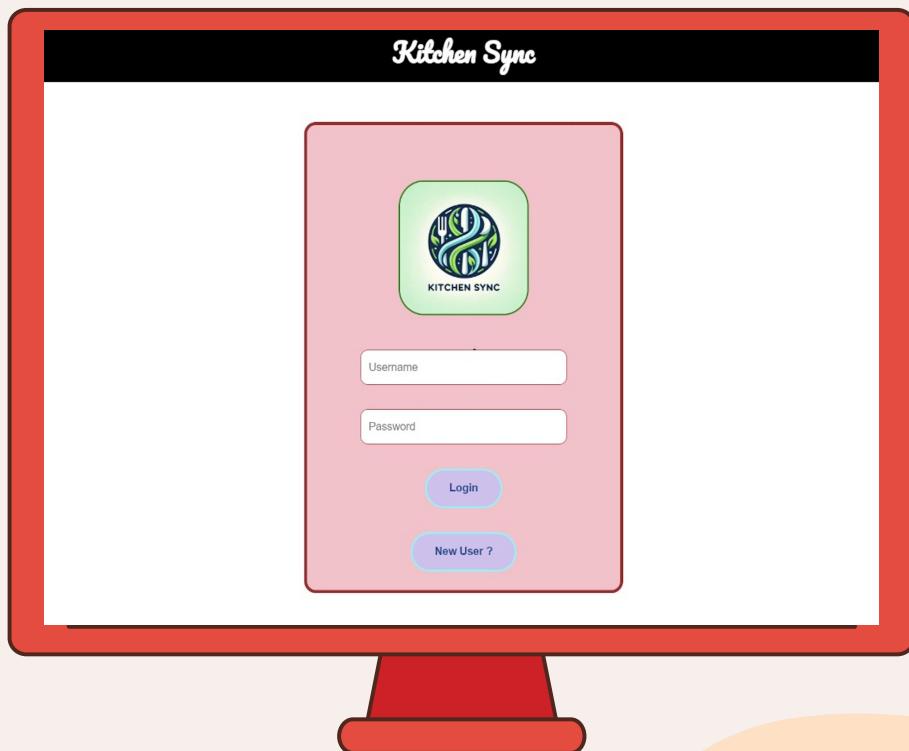
25
20
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Mar 11 Mar 13

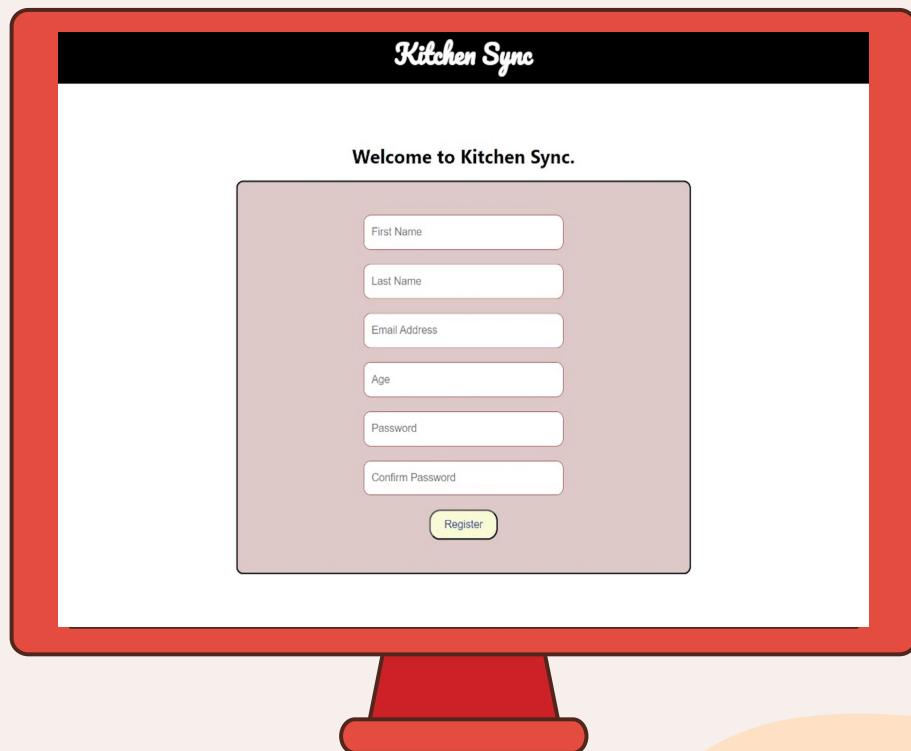
● Remaining work ● Guideline



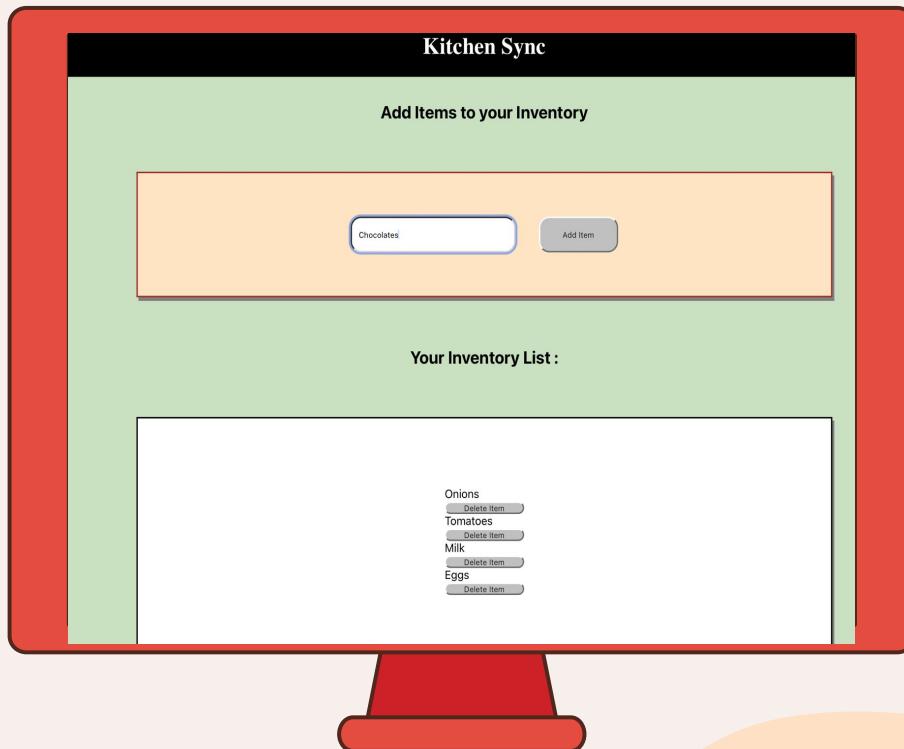
Webapp Screenshots

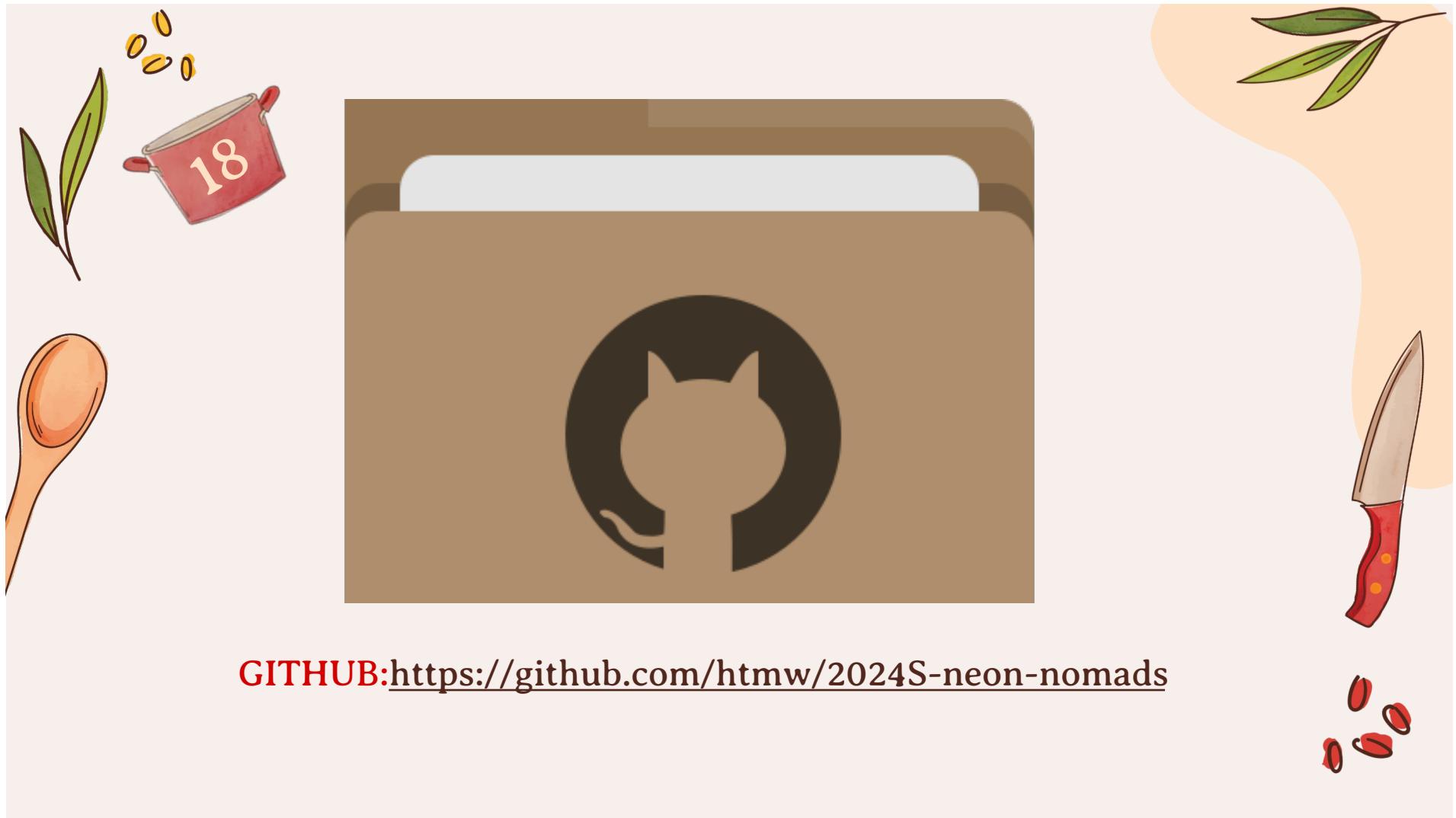


Webapp Screenshots

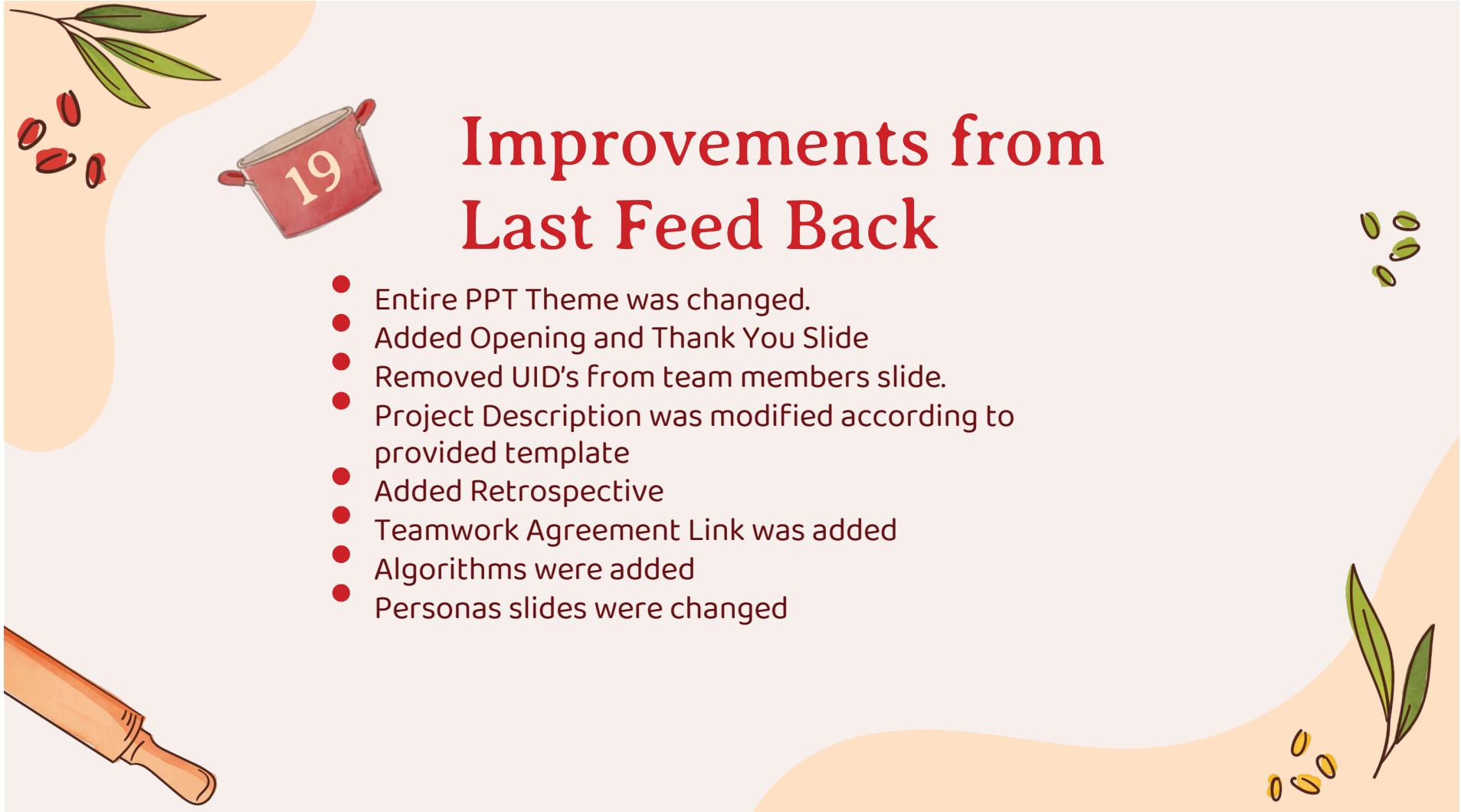


Webapp Screenshots





GITHUB:<https://github.com/htmw/2024S-neon-nomads>



Improvements from Last Feed Back

- Entire PPT Theme was changed.
- Added Opening and Thank You Slide
- Removed UID's from team members slide.
- Project Description was modified according to provided template
- Added Retrospective
- Teamwork Agreement Link was added
- Algorithms were added
- Personas slides were changed

Thanks Bon Appétit!

