HOT DAWG

Creating a healthy recipe app facing the next generation users that wants a simple, stress-free, "do-it-all" platform, where the user can not only control their meal, but also their healthy lifestyle all in one site.

Let's Walk thru our 5 step process:

DISCOVER - DEFINE - DESIGN - PROTOTYPE - IMPLEMENT

User Studies

Name : Bobby
Bio: Professional video gamer

Goals
- Spend more time on gaming and worry less about other things
- Wants to win the next Fortnite competition

Needs
- Hard to find time to make food for himself
- Wants to start eating healthy and variety of meals
- Wants to find simple and easy recipes that don't take much time

Felix Eli
Student at UCSD

Needs
- Doesn't know how to cook, so needs simple recipes
- Needs to be able prepare meals fast because he needs time to study
- Lives in an on-campus apartment with a very small shared kitchen, so he doesn't have much space to cook
- Is a student athlete, so needs nutritious meals

Goals
- Find a balance between studying, sports, and a healthy lifestyle
- Eat at least 2500 calories per day

Alex
Fitness enthusiast

Needs
- Hope to get enough protein and other nutrients to increase muscle.
- Because he eats a lot of meals a day, he hopes that the recipes are convenient to make and store, easy to carry, and can be made a lot at one time.
- Less oil and less salt.

Goals
- Go to the gym every day for the next year
- Balance his time allocation between work and fitness

Connor Jones
Travel Enthusiast

Needs
- Travels a lot, so he needs to work with the local ingredients
- Loves to learn but working with simple dishes initially is ideal
- Lives in temporary housing which has limited cooking equipment

Goals
- Makes dishes that are representative of the culture
- Work with inexpensive local ingredients since traveling is rather expensive

Betty
Elderly Woman

Needs
- Wants to prepare easy recipes that are not extremely labor intensive
- Prefers that ingredients are local and do not require extravagant orders
- Has trouble reading small text
- Elderly so requires nutritious meals

Goals
- Make some of her childhood favorites that she's forgotten
- Wants to make sure her nutrition is on point

Ashwin Kagiso
Owner of Indian Restaurant

Needs
- Looking for Indian recipes and recipes that incorporate staple Indian ingredients
- Needs recipes that use rice and potatoes since his restaurant always has those ingredients in stock
- Looking for recipes that aren't too simple because his customers expect a certain level of quality and complexity when they eat at restaurants
- Looking for recipes with cheap ingredients so that his restaurant can generate the most profit

Goals
- Have a menu with a wide variety of Indian cuisine
- Maximize profit in his restaurant

Josh Darwin
Young Adult with New Job and Career

Needs
- Wants to find recipes that he can make easily, and also recipes that he can prepare for friends when they come over.
- Wants to view a compilation/slide show of recipes that are "easy dinner recipes"
- Wants not complex recipes as he doesn't have many ingredients

Goals
- Have a slideshow/list of recipes that are "30 easy dinner recipes", and also other lists of recipes like "20 easy to make party foods".
- Perhaps provide an indication when an ingredient is not necessary or provide a common substitute for an ingredient.

More User Studies

Key Takeaways:
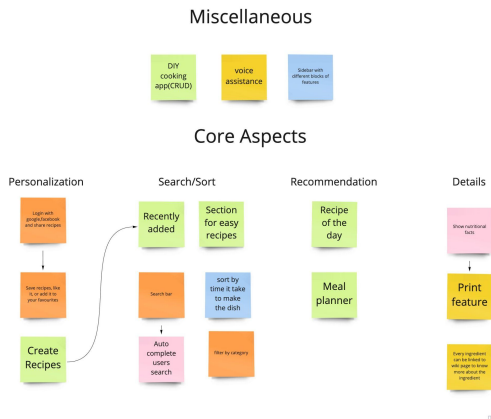
- User Groups share similar backgrounds: gym, diet on weekdays, party on weekends, hard to keep track of food intake, short cooking time.
- Healthy food is not only the food on your plate, it's about the lifestyle, the calories tracking, the mindfulness and everything in between.

HMW Statement:

How might we create a <u>recipe app</u> for youth like us who wants to experience <u>great food</u> and at the same time, <u>be healthy and stay in shape.</u>

Feature Finding

Key Takeaways:

- Most popular websites nowadays are multi-function sites, top recipe sites are far beyond recipes, they are lifestyle blogs, cookbook, and sometimes even social media
- At the same time, most sites can be too complicated to navigate, with too many features, there can be a lot for the user to get used to

Features We Would Like to Incorporate:

- Easy-to-navigate Landing Page
- Quick Start & Quick Search
- Customize Suggestions
- Choices Based on Diet Style
- Health Score for each recipe
- Save Your Own Cookbook
- Encounter New Recipes

More Advanced Features: (If Time Permits)

- Calorie Tracking
- Meal Planner
- Mindfulness Support
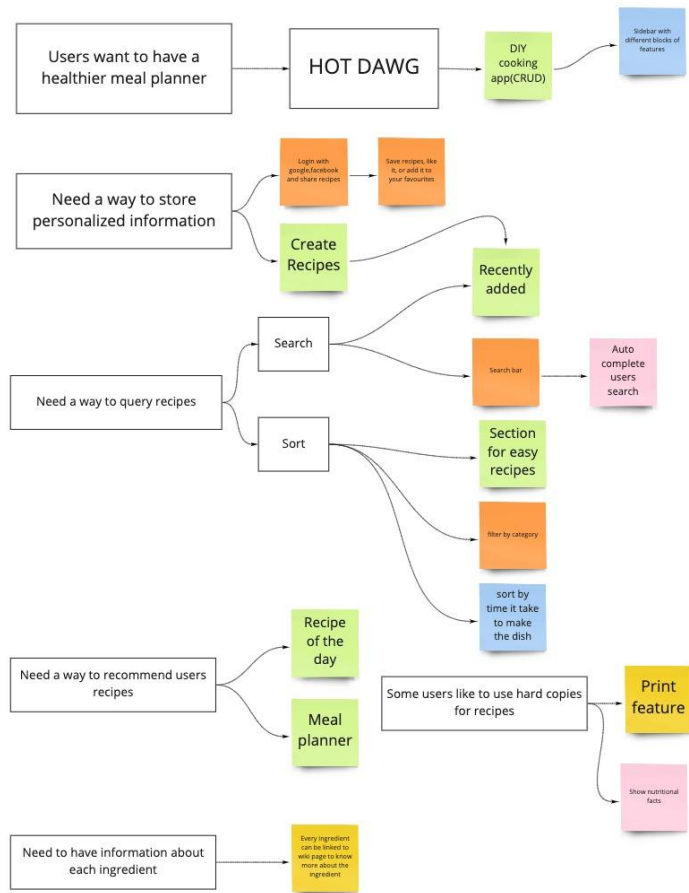
After we found features that we liked, we filtered them even more to make sure that they met actual user needs.
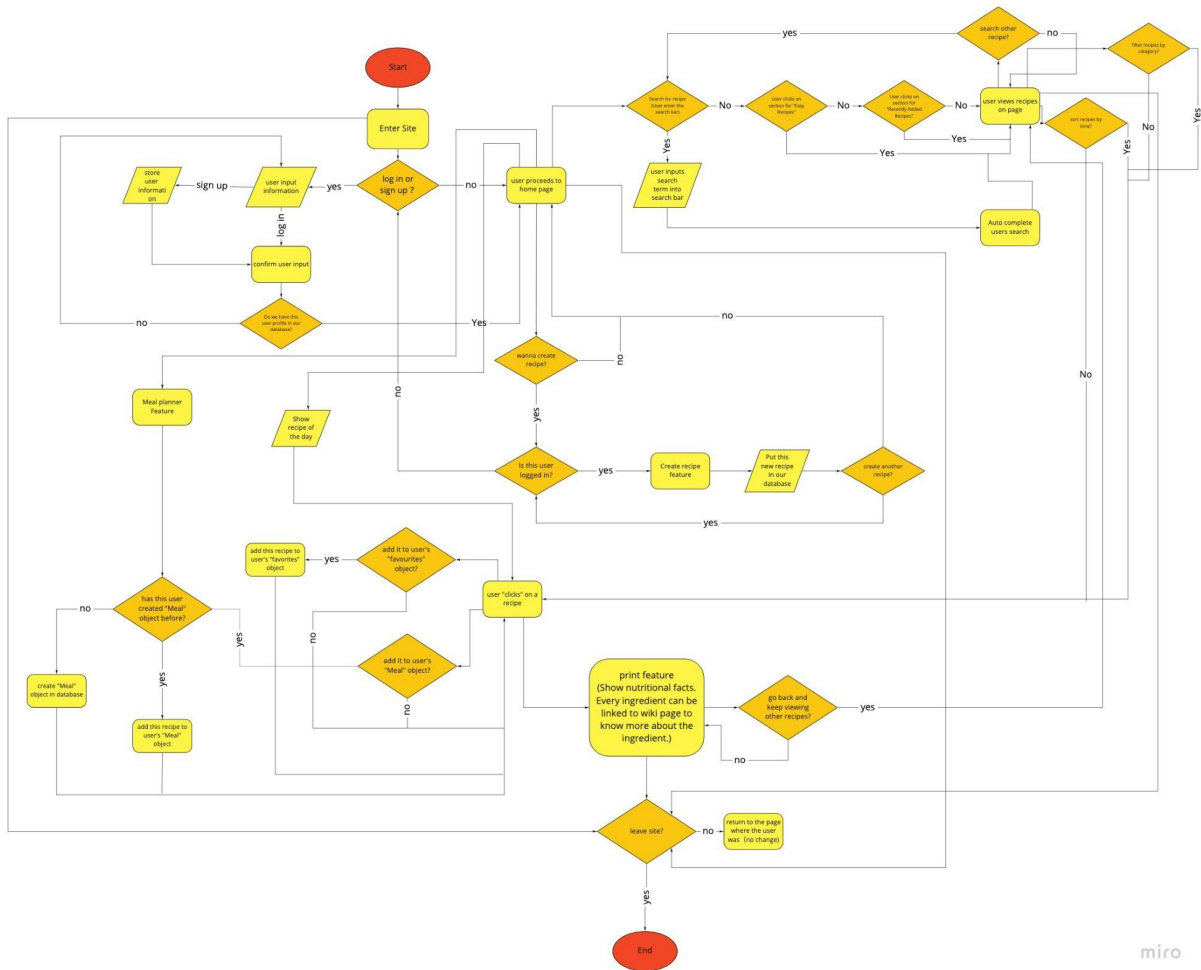
For the UML part, we simulated what users do when they enter the site

DESIGN - LOFI

Low Fidelity

Landing Page

Recipe Page

Extra Features

Wireframe

Potential Rabbit holes

In Built Timer: Different devices may pose different cook times. Thus a universal timer may not cater to all users.

Ingredient filter: Data base may not have that specific ingredient for unique dishes.

Search Bar: Will it shows suggestions, allow for search by recipe, other similar dishes?

Recipe Cost Calculator: Will there be a currency converter for currencies other than USD?

If we go Social Media route will there be existing recipes from us already on there?

For auto scroll feature, will we use voice recognition feature? Will the sound of kitchen appliances possibly affect this feature/functionality?

Filter by time: Potential issue with different time zone users. We need to use the user's local time to establish a filter by time feature.

Auto-lock screen: To unlock will we implement voice activated unlock, or will it be a touch to unlock feature.

See what ur friends are cooking: Will be enable the option to turn this on or off if we decide to add this feature?

Dark/light mode: Will this mess with any of the fonts or pictures we have on our webpage? Possibly bad for user if done wrong.

Picture gallery: Will user pictures being uploaded be added to the gallery or will this be a separate feature?

Filters: Will we add multiple filters or just one at a time like price/ingredients?

Wikipedia page link: links to wrong page (same name) or ingredient isn't found

Create recipe: what if we don't have an ingredient that the user wants to use in his/her recipe (and how will that link to Wikipedia).

- Dark Mode
- Speed of Loading Information
- Image Size Support
- Cross Platform Compatibility

Design Choice: No Gos

In Built Timer: Different devices may pose different cook times. Thus a universal timer may not cater to all users.

Ingredient filter: Data base may not have that specific ingredient for unique dishes.

Search Bar: Will it shows suggestions, allow for search by recipe, other similar dishes?

Recipe Cost Calculator: Will there be a currency converter for currencies other than USD?

If we go Social Media route will there be existing recipes from us already on there?

For auto scroll feature, will we use voice recognition feature? Will the sound of kitchen appliances possibly affect this feature/functionality?

Filter by time: Potential issue with different time zone users. We need to use the user's local time to establish a filter by time feature.

Auto-lock screen: To unlock will we implement voice activated unlock, or will it be a touch to unlock feature.

See what ur friends are cooking: Will be enable the option to turn this on or off if we decide to add this feature?

Dark/light mode: Will this mess with any of the fonts or pictures we have on our webpage? Possibly bad for user if done wrong.

Picture gallery: Will user pictures being uploaded be added to the gallery or will this be a separate feature?

Filters: Will we add multiple filters or just one at a time like price/ingredients?

Wikipedia page link: links to wrong page (same name) or ingredient isn't found

Create recipe: what if we don't have an ingredient that the user wants to use in his/her recipe (and how will that link to Wikipedia).

- Rejected idea: voice control
  - Hard to implement cross platform
  - Hard to make it work well in a noisy environment
  - Time constraint

Project Timeline
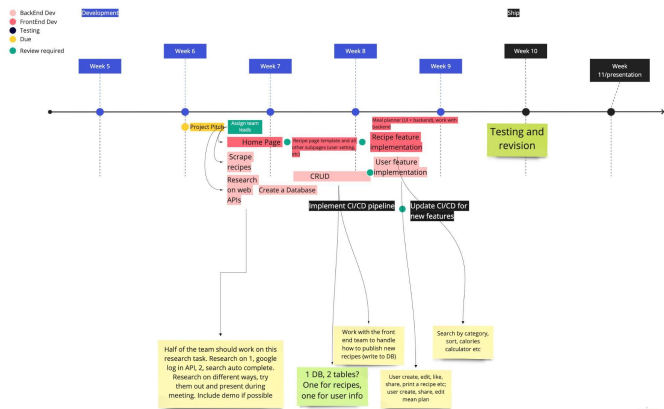
Key Takeaways:

- Focus on Basic Features first (Weeks 6-8)
- Breakdown works into Front, Back, Design Group
- Advanced Features to be added later (Weeks 9-10)

Legend:
- BackEnd Dev
- FrontEnd Dev
- Testing
- Due
- Review required

Development

Ship

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11/presentation

Project Pitch

Assign team leads

Home Page

Recipe page template and all other subpages (user setting, etc)

Scrape recipes

Research on web APIs

Create a Database

CRUD

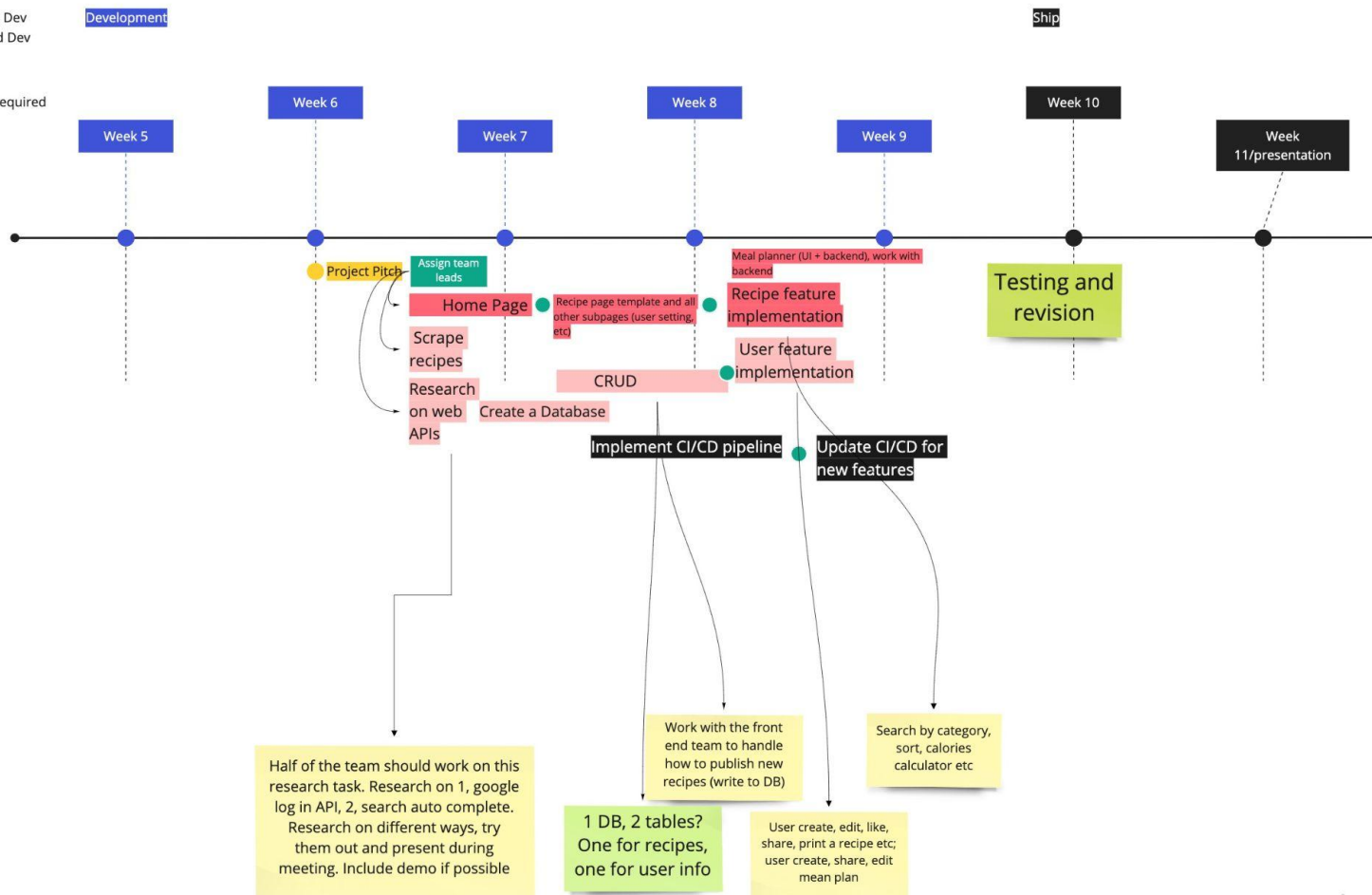Meal planner (UI + backend), work with backend

Recipe feature implementation

User feature implementation

Implement CI/CD pipeline

Update CI/CD for new features

Testing and revision

Half of the team should work on this research task. Research on 1, google log in API, 2, search auto complete. Research on different ways, try them out and present during meeting. Include demo if possible

1 DB, 2 tables? One for recipes, one for user info

Work with the front end team to handle how to publish new recipes (write to DB)

User create, edit, like, share, print a recipe etc; user create, share, edit mean plan

Search by category, sort, calories calculator etc

miro

Moving Forward...

- More User Research
- Rapid Prototype
- Feature Based Development

Questions?