

Where2Eat:

An app for deciding and tracking restaurants

Date

Aiding the user in remembering and/or deciding on where to eat

Why are we doing this?

Most people have experienced having difficulties in deciding on where to eat, at least once in their lifetimes. It would be nice to be able to keep track of personal experiences and make future food decisions with the help of the app.

How do we measure success?

Users show satisfaction in the app, and feel our app does help them in tracking where they have eaten and making decisions on where to eat.

Quick decisions are hard to make

Why is it important to make quick decisions when it comes to food?

- Saves energy to make more important decisions later in the day
- Reduces stress when people forget their experiences
- Reduces arguments between friends and loved ones
- Reduces the chances of having a bad experience while going out

User Stories

Jim Brown



👉 Brief description

Programmer at apple, he enjoys food bloggers, hiking, and fishing

😊 Personality

Easy going
friendly
to the point
utilitarian

👁 Interests

Food and food
blogging
eating
hiking
Mac and apple
systems

Jim is looking for a way to be like his favorite food bloggers and keep track of where and what he ate.

Katie Perry



👉 Brief description

Katie is a freshman in college, and she just moved from New York to Seattle, Washington for school. This past summer, she started eating on a vegan diet. She is unsure what type of vegan food she likes, but she enjoys trying new things!

😊 Personality

outgoing
bubbly
adventurous

👁 Interests

Food
hiking
kayaking
baking

📱 Apps used by Katie

pinterest
instagram
spotify

Katie is looking for a way to track her favorite vegan restaurants, as she just moved to a new town.

Kyle Kristopher



👉 Brief description

Kyle is a 21-year-old frat boy who is all about the life of party. He likes to go out to get munchies with his friends late at night.

😊 Personality

Cool
Confident
Attractive

👁 Interests

Getting lit with
homies
Partying
Baking

An average frat boy looking for munchies but has trouble deciding where to go.

Requirements (App)

- Users can create, view, edit, delete, share posts (details in later slides)
- Users can scroll and search through list of entries (details in later slides)
- The list will be on the left side, the section to add new posts will be on the right
- Search and filter bar will be on the left side where the list is, and the list will be updated according to the filters
- All the info for each restaurant is in the list on the left
- The app should be easy to use and understand
- Users can contact the developer team for feedback and/or customer support by email

Requirements (Individual Post)

- Users can click on buttons to create, edit, delete each post
- Users can input:
 - restaurant name
 - rating/preference out of 5 stars
 - category tags (chinese, child friendly, vegan, gf likes, etc.)
 - price category \$, \$\$, \$\$\$
 - description of restaurant and experience
 - an image
- The edit and delete buttons will be on the right side of each post
- Editing a post will be on the right side of the screen
- There will be a separate image object for each post on right side of the screen

Requirements (Searching)

- Users can input tags (price and rating) to filter posts based on price category and rating/preference
- Users can search a restaurant by name (be able to type)
- The search bar will be on the top of the page
- Searching by name, price, and rating will be on the left to right side of the search bar respectively
- If the search is empty, the app should show the list by chronological order
- The list should stay the same until the user hits enter for a search (for filters)
- When a search is applied, the list should automatically change to suit that
- If things have the same value, they are sorted chronologically
- Create a new list when something is searched for
-

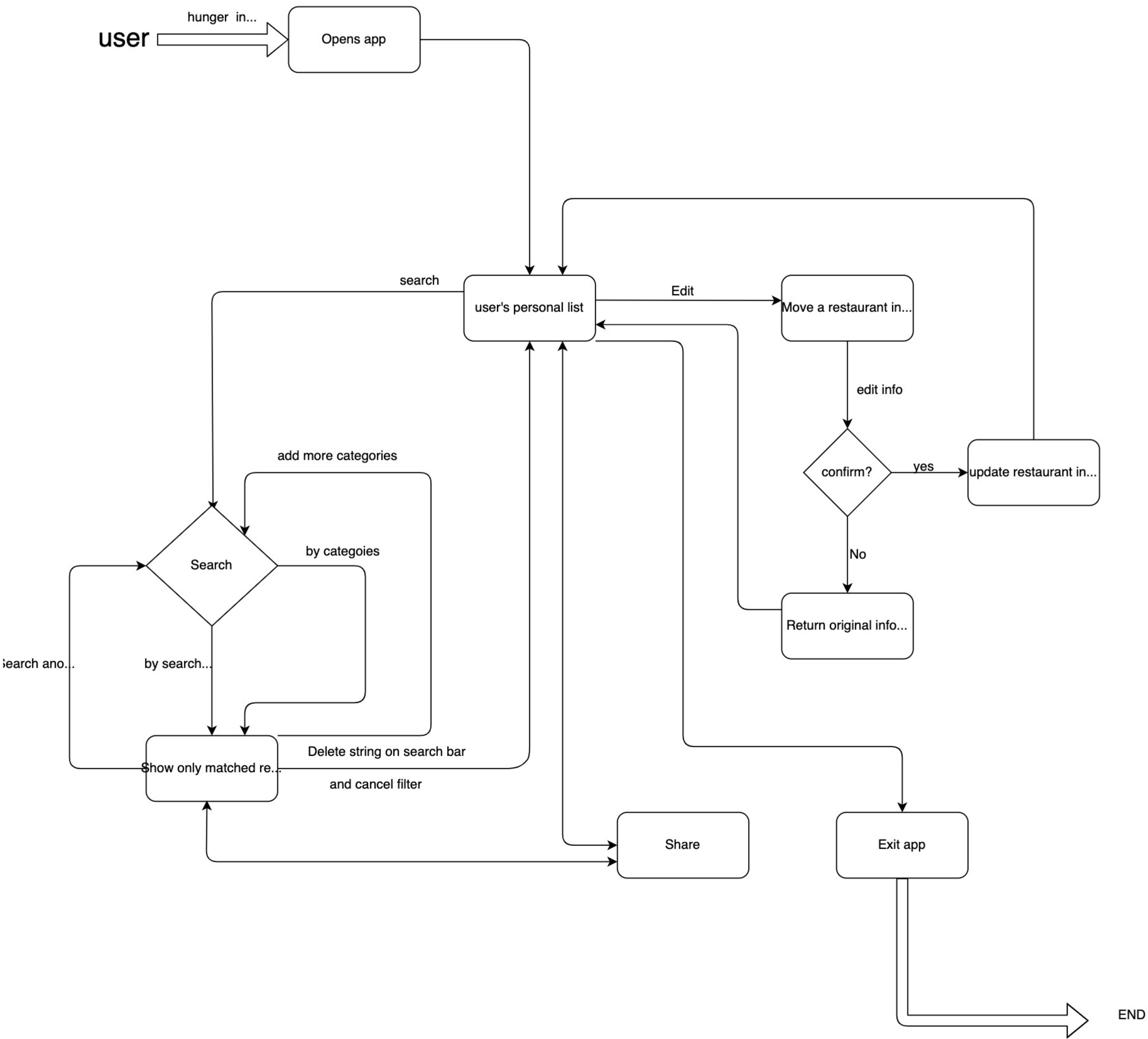
Requirements (Collab/Social)

- Users can share a list with other people
- Users can download the current list, export to local system to share with someone
- The download button will be on the left side of the screen

Requirements (Device)

- The app should be able to run on the latest version chrome and safari
- The app can run only if the device has enough storage
- The app should have fast runtime (be able to access data within meaningful time second)

System Diagrams



Where2Eat



Price



Rating



Chick'fil'A

- Price: \$\$
- Rating: 4/5

Description:

Nice sauce and service. Short wait time. Closed on Sundays.



Delete

Edit

Fast Food

Western

Panda Express

- Price: \$
- Rating: 3/5

Description:

Service is really quick and has a lot of flavor. Orange chicken tasted really good.



Delete

Edit

Fast Food

Chinese

Add/Edit Restaurant

Name

Price

\$\$\$\$\$

Rating



Description

Tags



Save

Nice to Have Features

- Filter restaurants based on tags
- Add multiple images to a post
- List of restaurants on left with drop down to show description
- Custom tags with multiple saved tags
- Being able to share with someone else and compare
- Being able to scroll through and have multiple images

Risks and Rabbit Holes

Risks

- Running out of time to develop the app
- Unsupported/non compatible data type for various systems

Rabbit Holes

- trying to create too many features
- copy/pasting code from the Internet to solve an issue, and accidentally causing many more problems
- procrastination
- out of our pay grade

Questions and answers

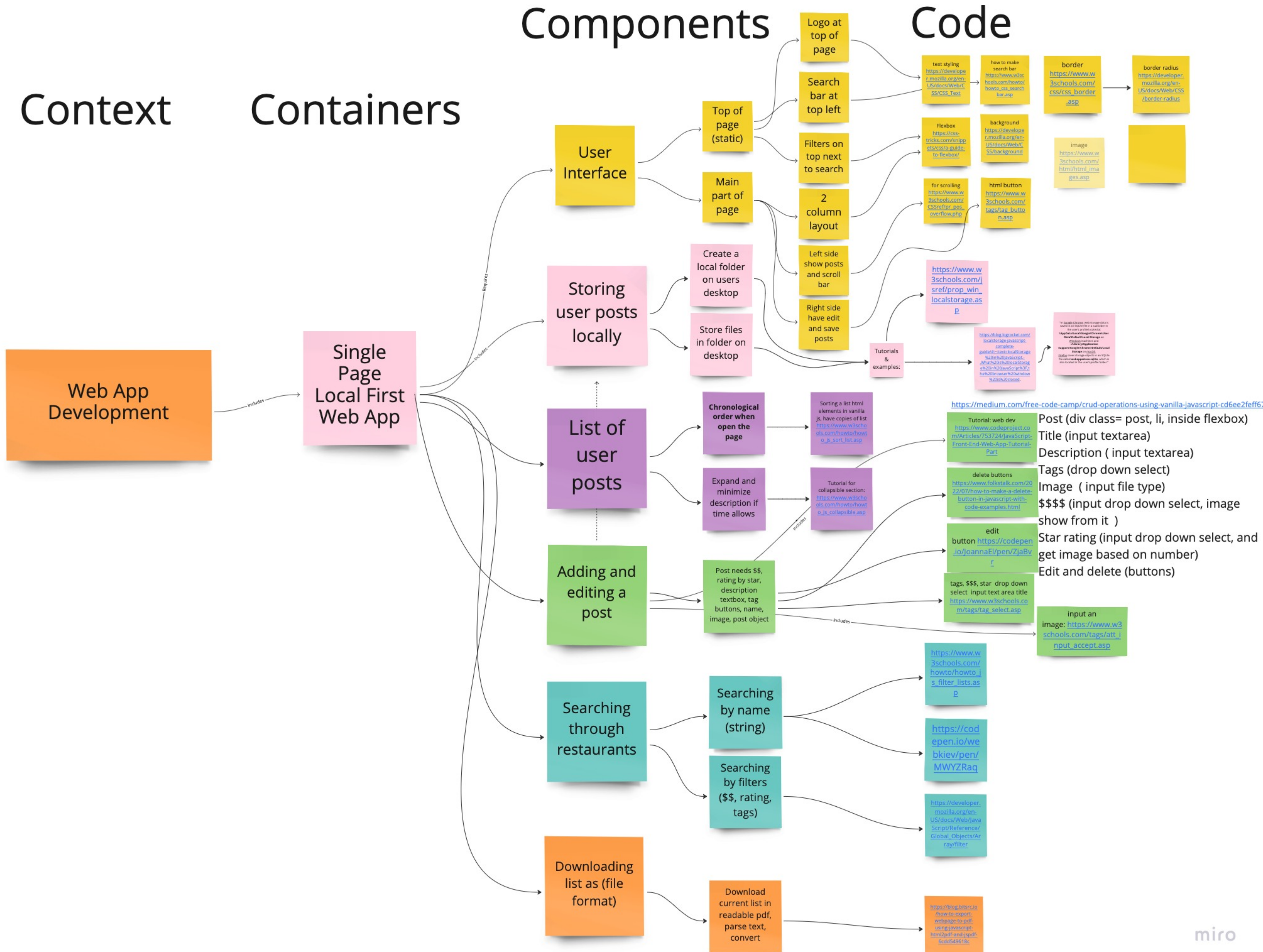
Can we allocate time to maintenance?	How will we measure success?	What is the expected time frame for the project?	What is the app's target market?	What is the revenue stream for the app?	Will the app be time consuming?	Where is the pool of user stories from?	Do you think you or people you know will use the app?
Ideally we should	User Retention rate and ratings	6 weeks	Anyone with indecisiveness or a need for the app (mainly college students and teenagers)	No profit for now. Neither any investments. This is a test run	No, the user will be able to immediately add or search up their experiences	Voluntary interactions	Yes, it has been popular between team members and others
Will the user be able to give feedback?	Where will the app be posted for download?	How will the app be promoted?	Can the app be used offline?	Is the app free?	Whats your storage mechanism	What is the target completion date?	
Yes, a work email will be provided on the login page	App Store and google play store.	Social media, youtube ads. Referral programs	Yes, it is a local-first app	For now yes	Data remains on users personal system	Early December	

Context

Containers

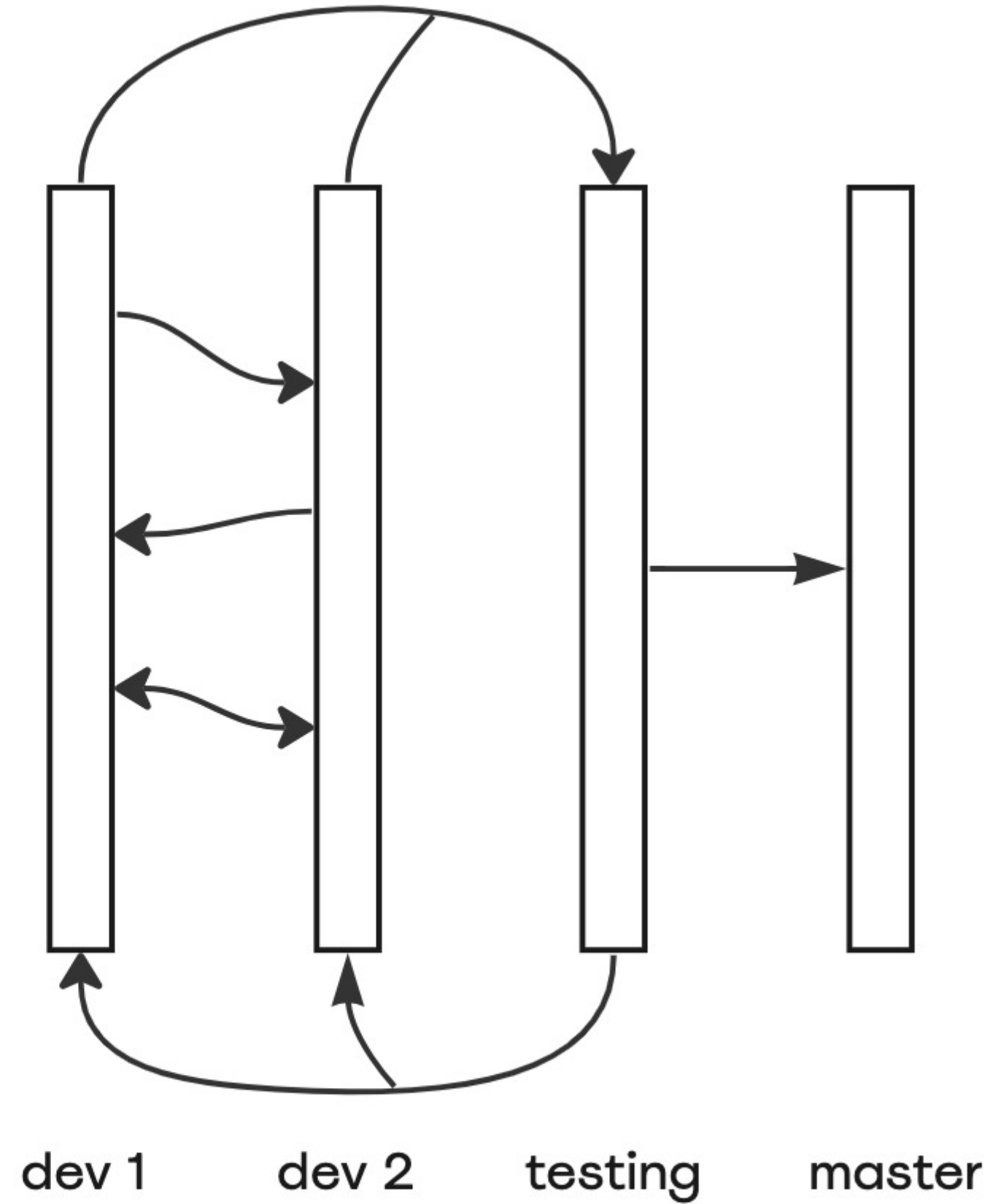
Components

Code



github branching

- **main(master) branch**
- development(front end) branch
- development(back end) branch
- testing branch



CI/CD Pipeline

- Setup guide: <https://github.blog/2022-02-02-build-ci-cd-pipeline-github-actions-four-steps/>
- Pipeline tests/requirements
 - Markdown lint
 - HTML, JavaScript, CSS lint
 - Automated tests