

# Wishify

COSC 4P02 – Group 12 Project

# Who are we?

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Nicholas Parise - Product Owner & Backend Developer

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Geoffrey Jensen - Scrum Master & Frontend  
Developer

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Stephen Stefanidis - Frontend Developer

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Justin Bijoy - Lead Documentation & UI Designer

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Anthony Medico - Frontend Developer

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Ethan Brennan - Frontend Developer

# What is Wishify?

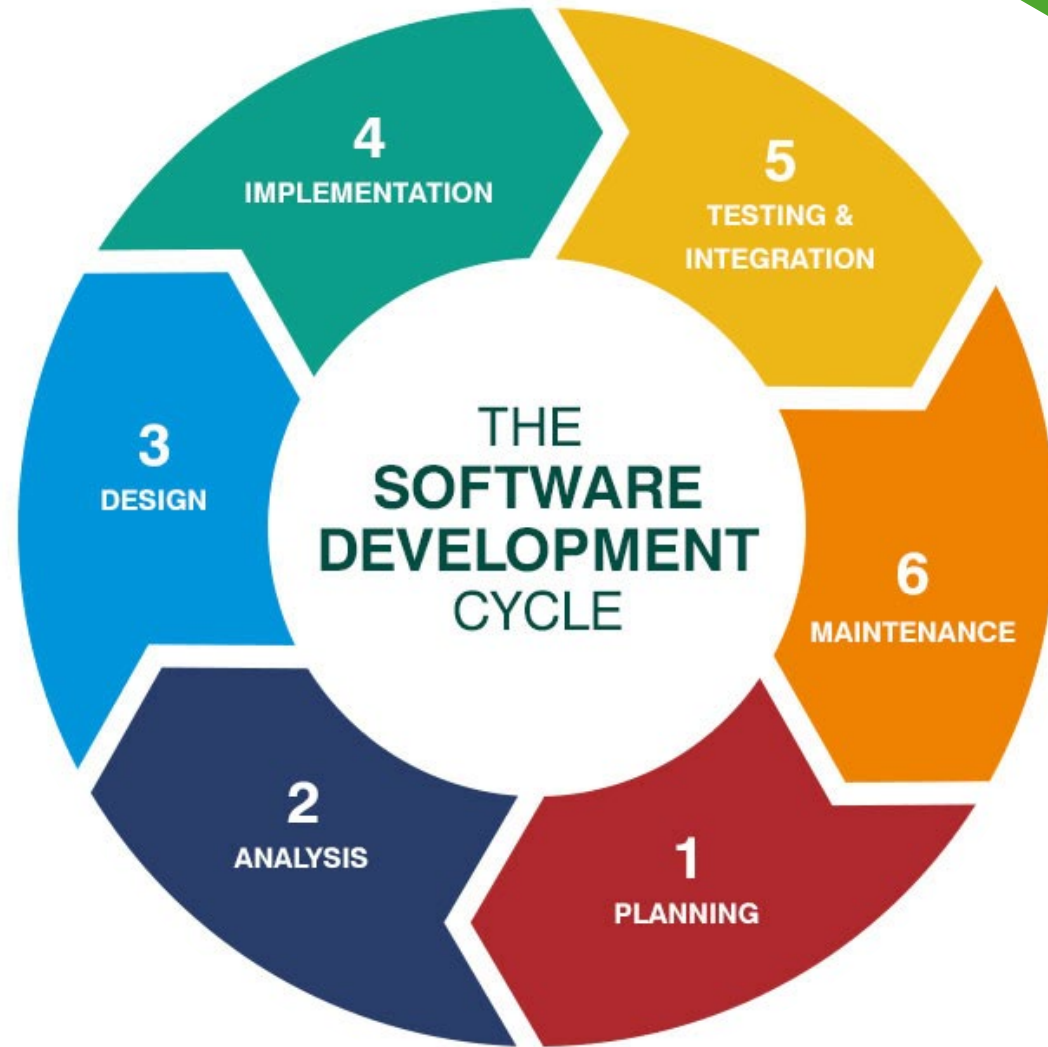
A web-based collaborative wishlist platform for seamless gift-giving

Users can create, share, and manage wishlists for any event or celebration

Features a blind feature to hide purchased gifts from the receiver

Designed to reduce duplicate gifts and maintain the element of surprise

Ideal for birthdays, holidays, weddings, baby showers, and more



# Software Engineering Process

# Agile and Scrums

- **2-Week Sprints:** Agile cycle with bi-weekly sprints.
- **Sprint Ceremonies:**
  - **Sprint Planning / Review / Retrospective:**
    - Tasks were reviewed and marked off
    - Reflected on team performance
    - Assigned tasks for next sprint
- **Weekly Standups:**
  - Round-table updates
  - Blocker discussions
  - Design talks
- **Collaboration & Communication:**
  - Regular group discussions on progress tasks and address challenges.
  - Used Jira for task tracking and sprint management.
  - Maintained frequent communication on Discord.

**January 2025**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

**February 2025**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

**March 2025**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31					1
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23	24	25	26	27	28	29

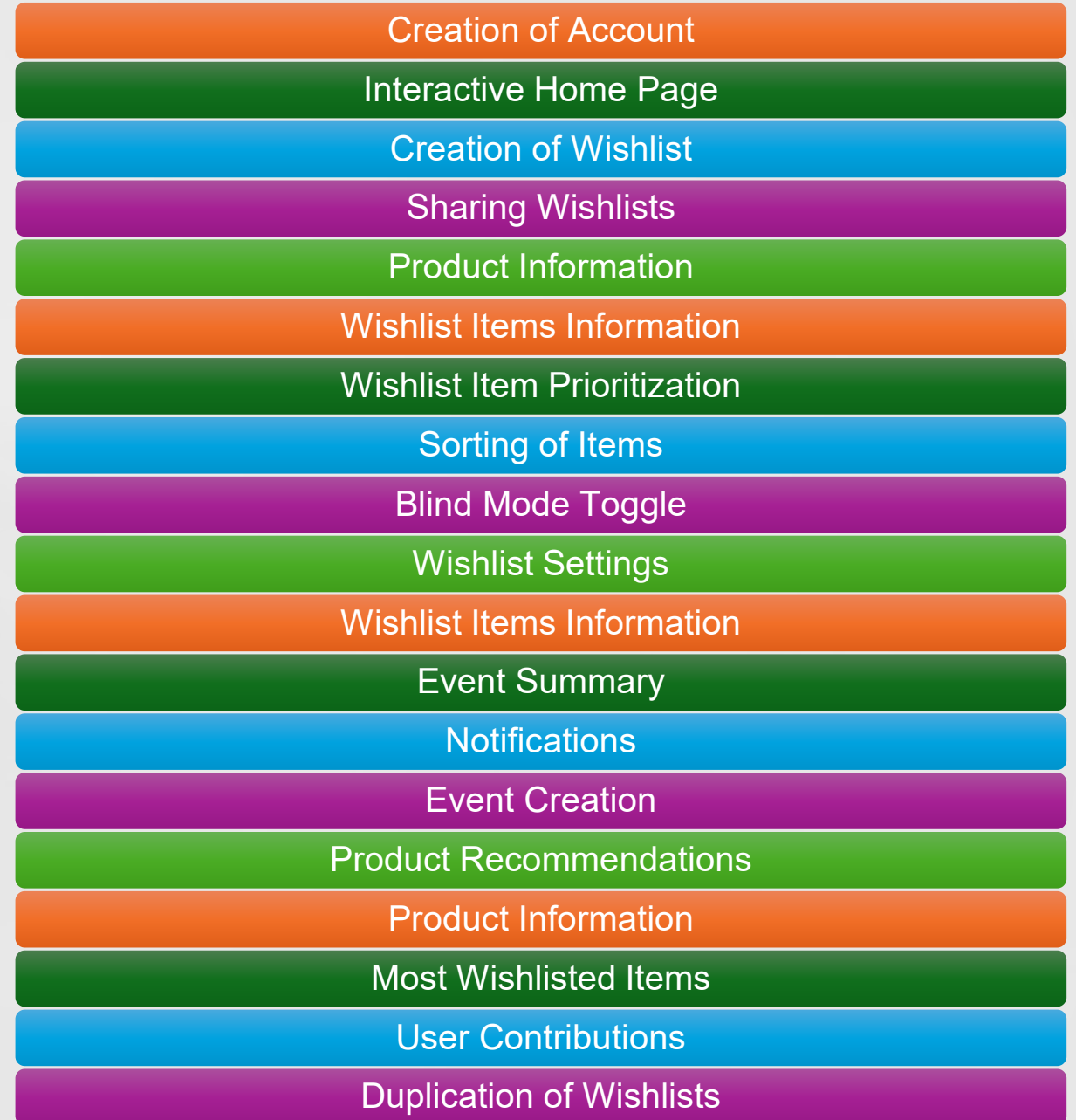
**April 2025**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Meetings With TA Stand-up Sprint Planning / Review One-off

# Requirements

- We first planned basic features like making and sharing wishlists.
- The goal was to make gift-giving easy and avoid duplicates.
- As we built the app, we added more features like blind contributions.
- It grew from a simple tool to a full platform for any gift-giving occasion.

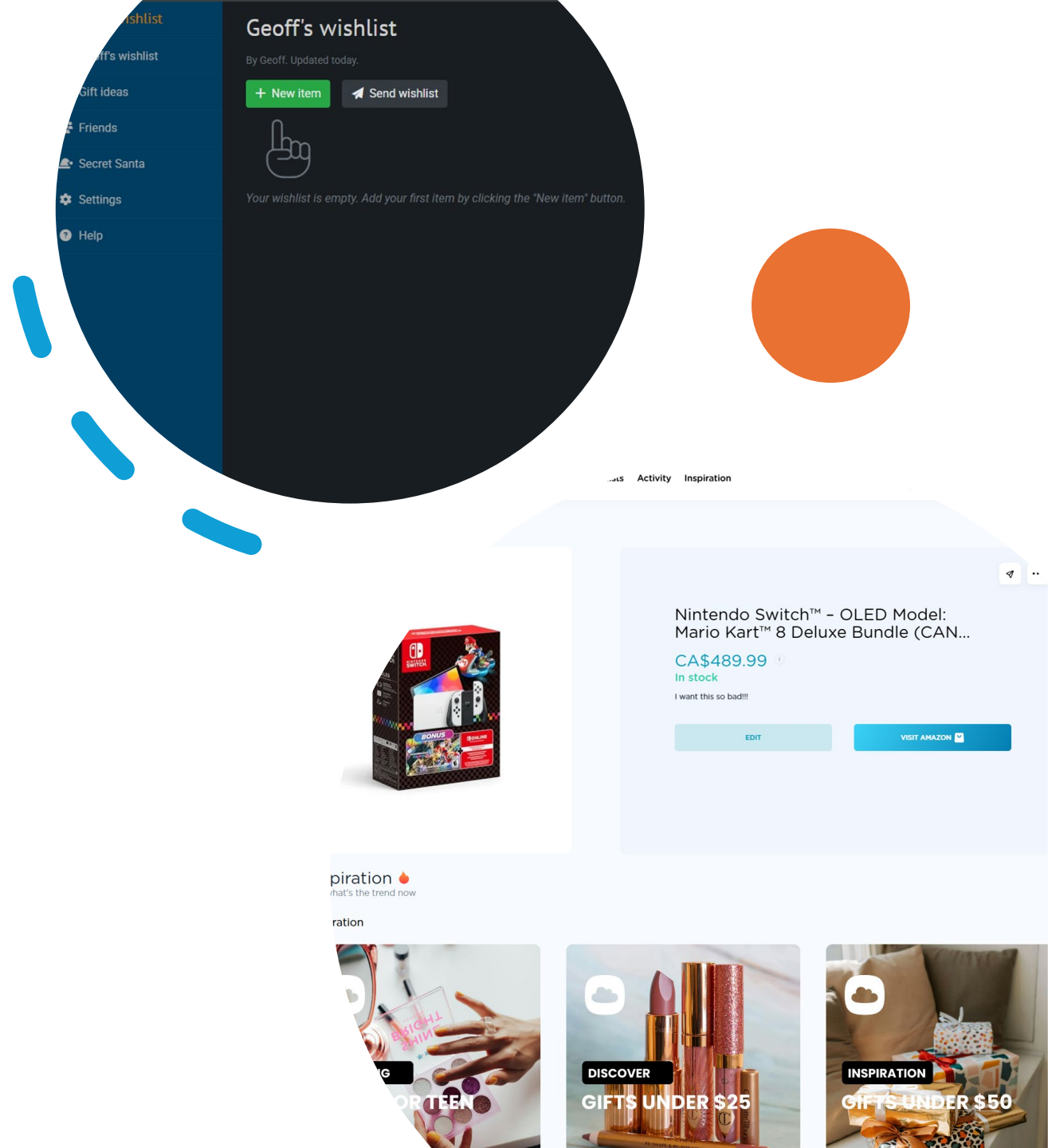




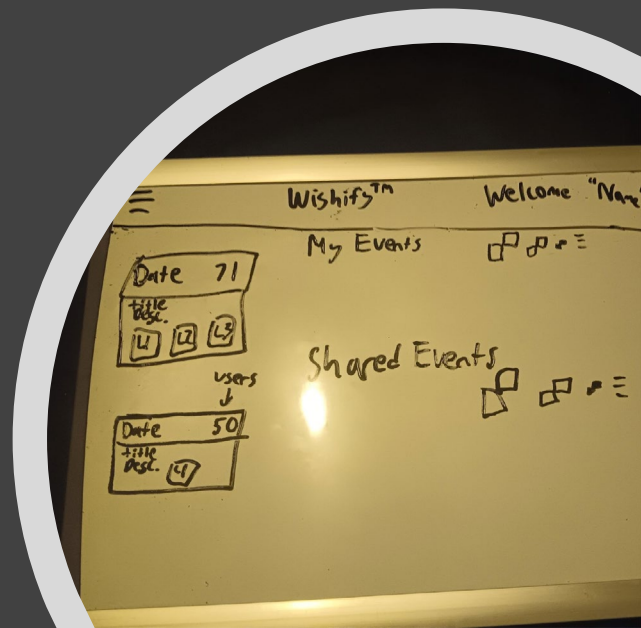
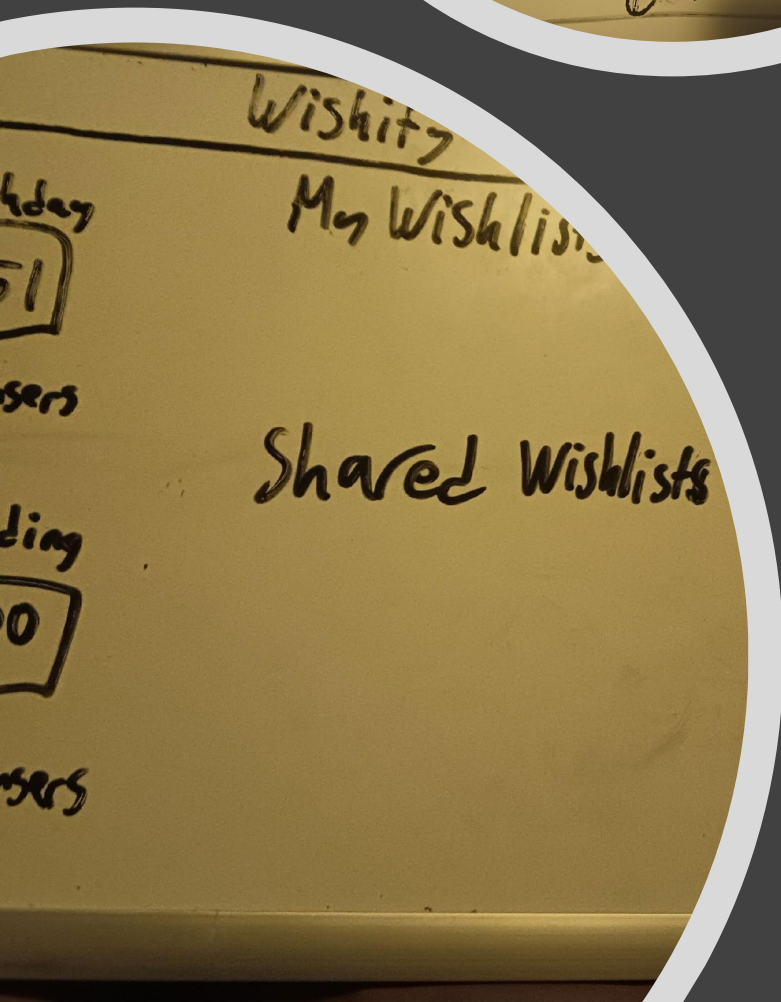
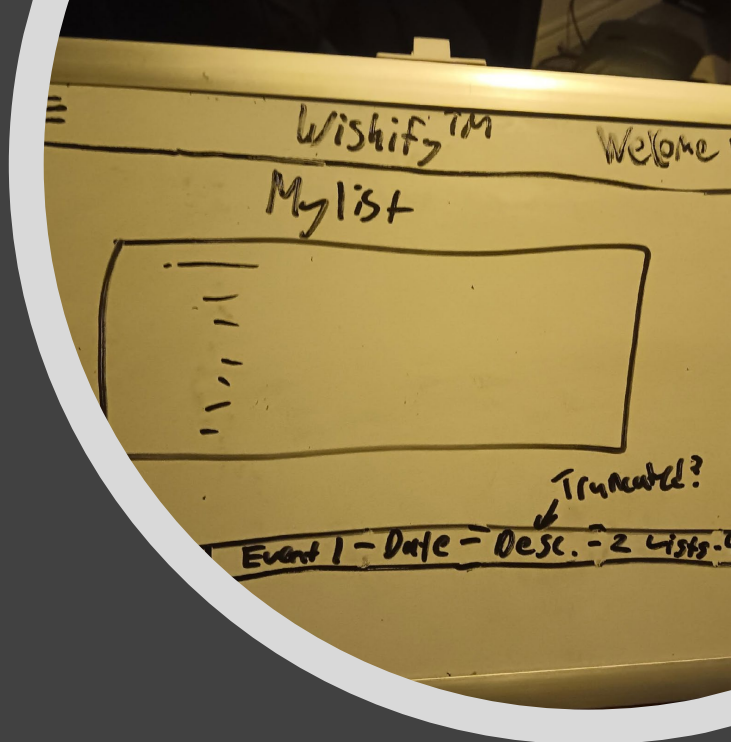
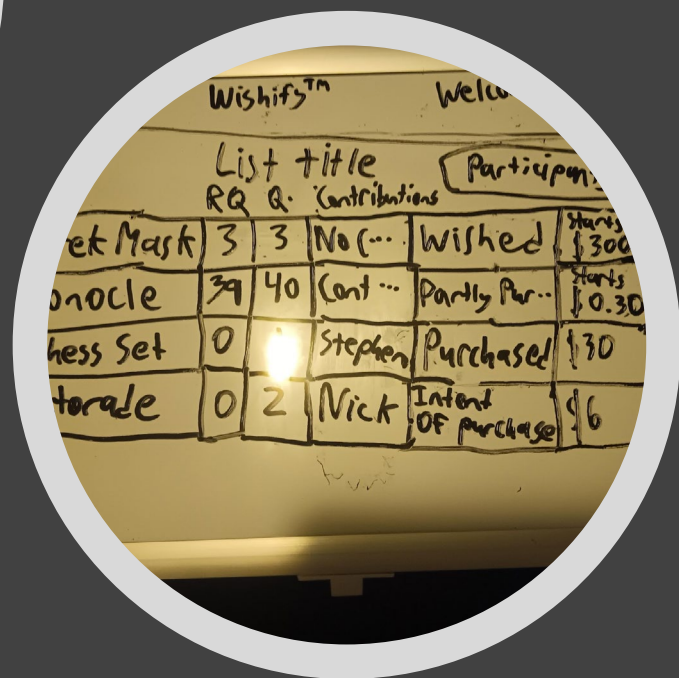
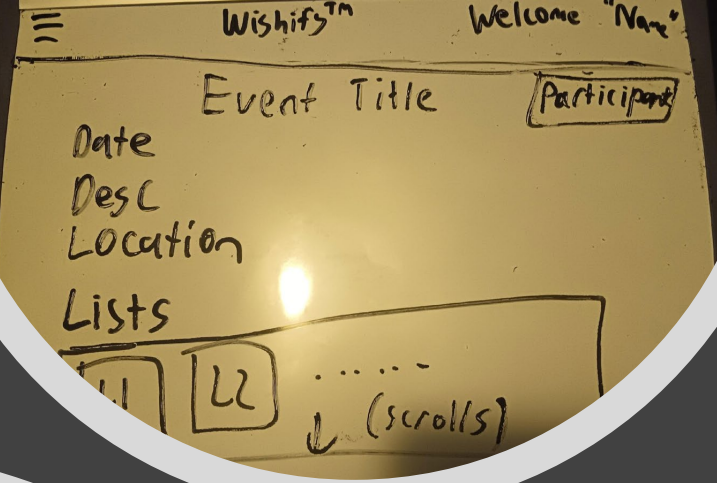


# Research

- We researched existing platforms like GoWish and MyWishlists to understand common features and user flows.
- Analyzed GoWish's wishlist creation, item adding, and profile editing features to identify strengths and weakness.
- Took inspiration from useful features like drag-and-drop item ranking, global add buttons, and group Wishlist options.



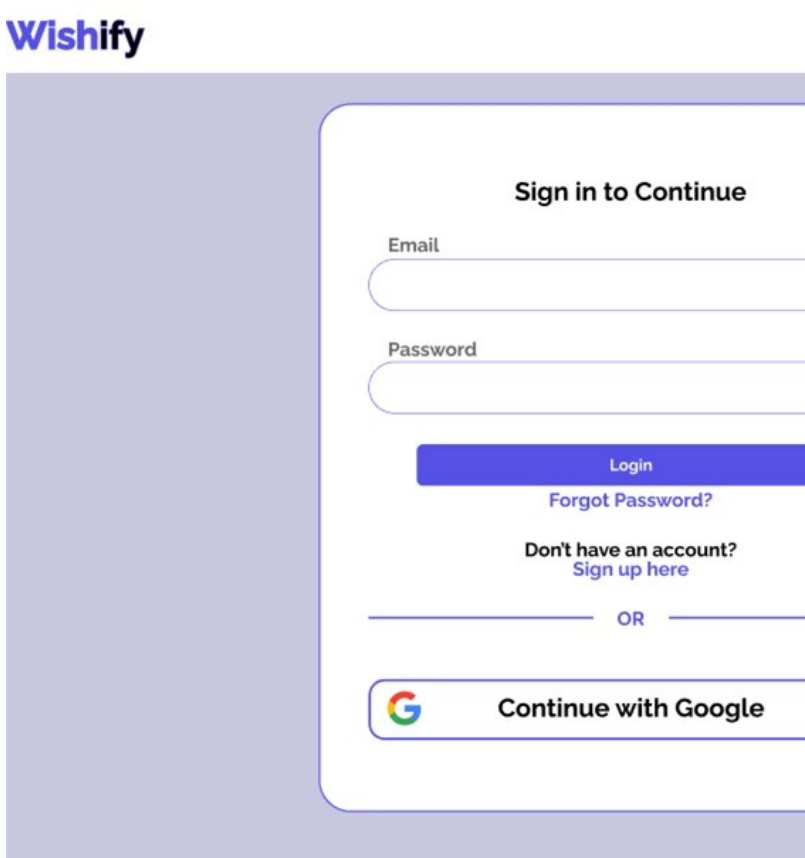
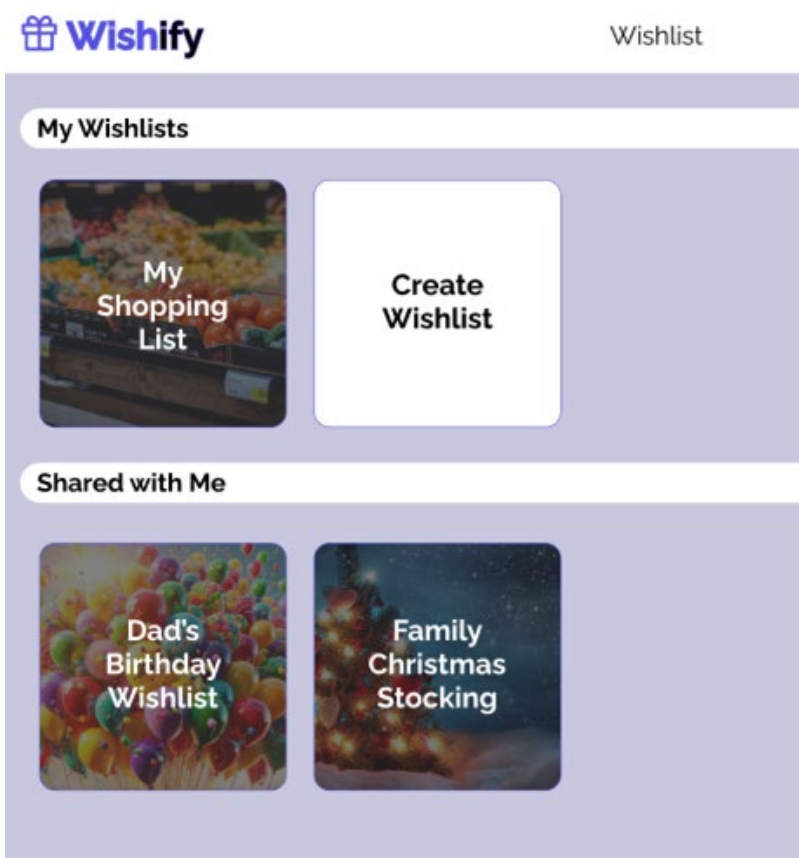
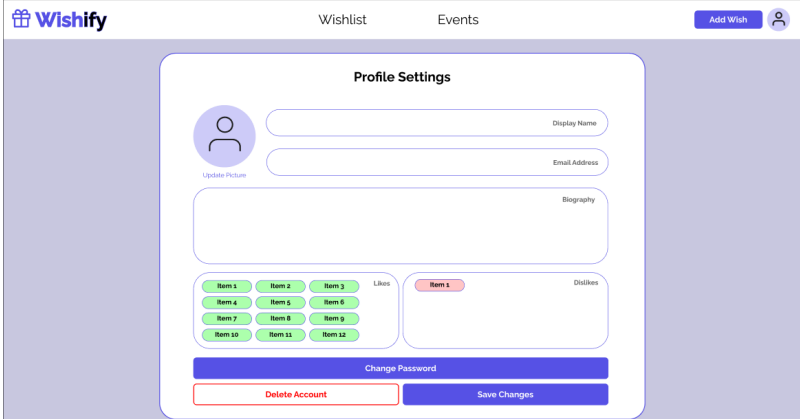
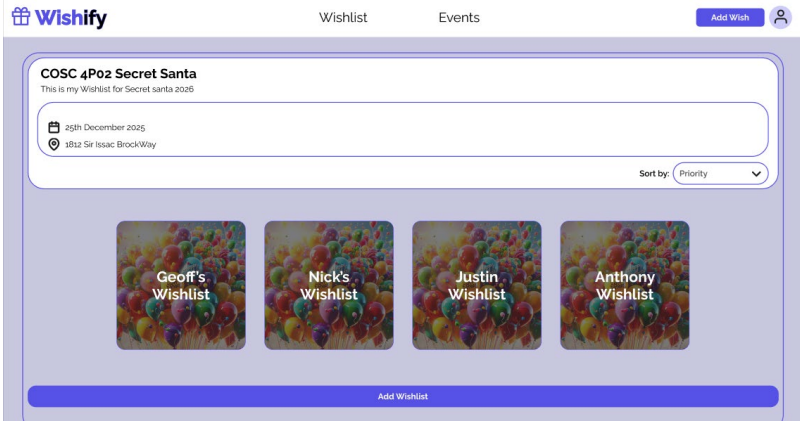




# Drawings



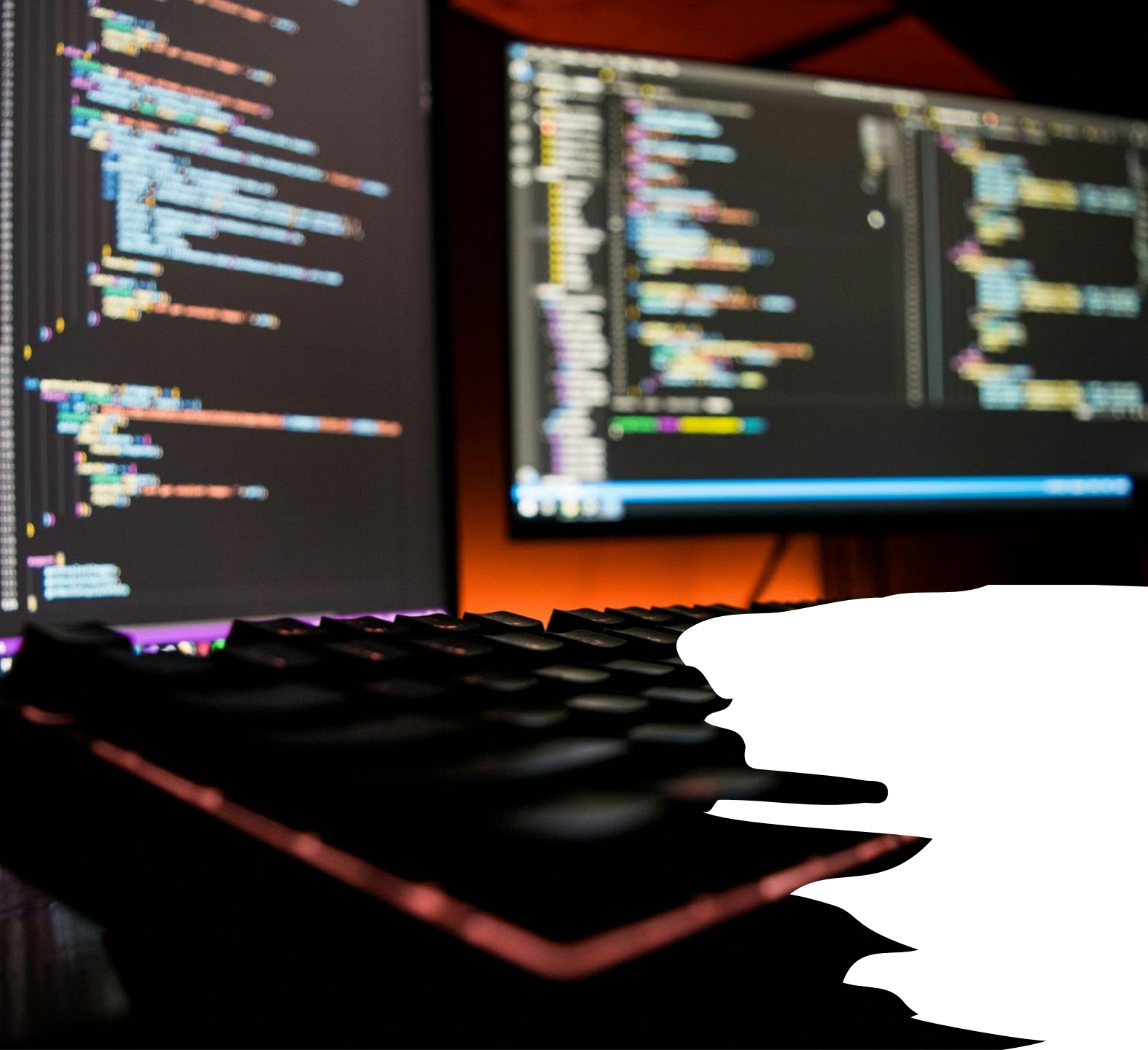
# Our Mockup for Design



# Final Planned Design

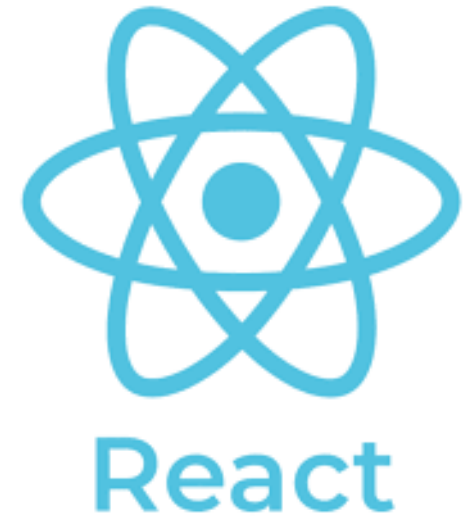
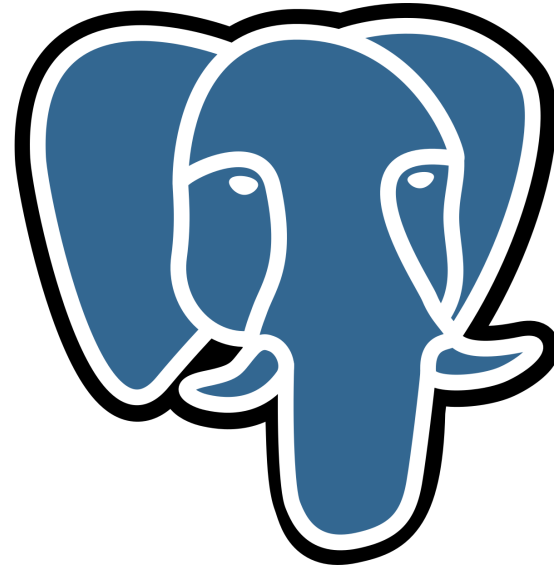
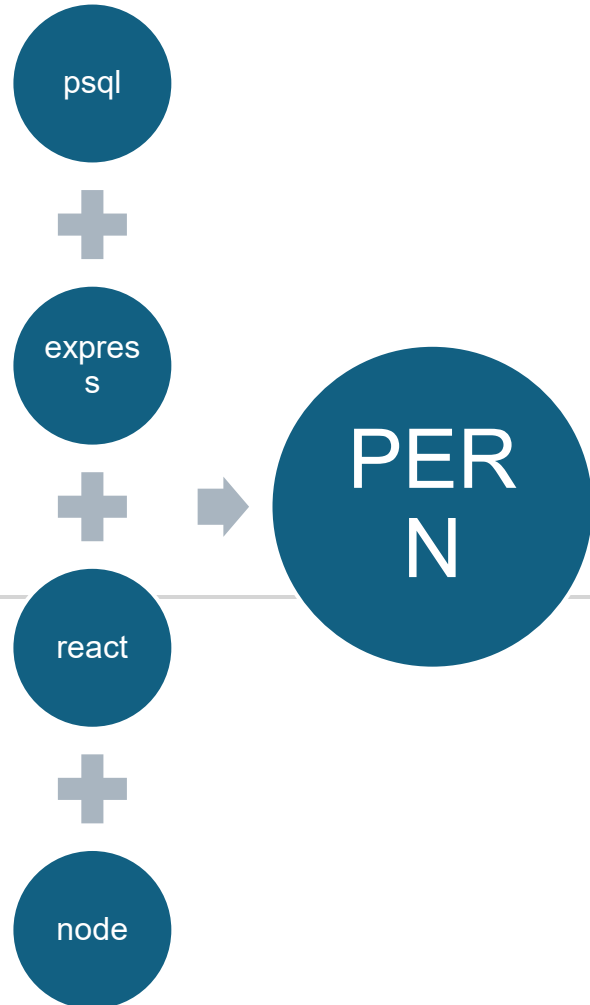
We gathered all these concepts and ideas we researched to develop a unique theme for our application.





# Technical Details

# Tech Stack



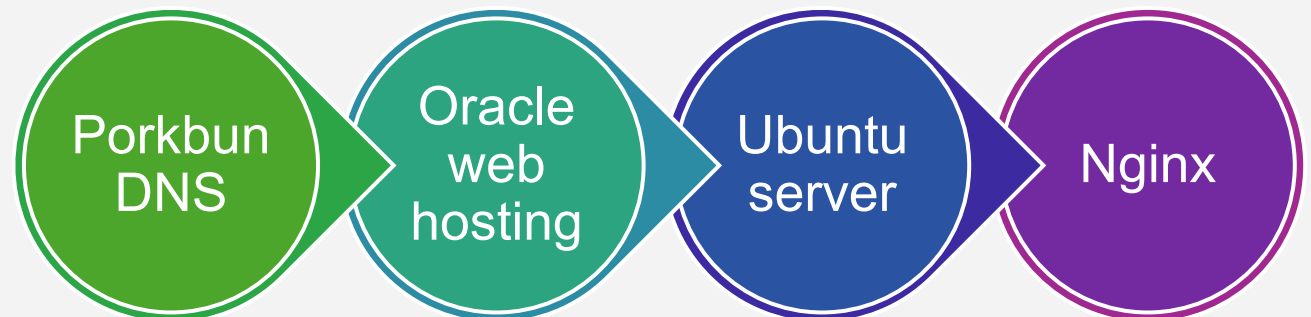
Express



# NGINX



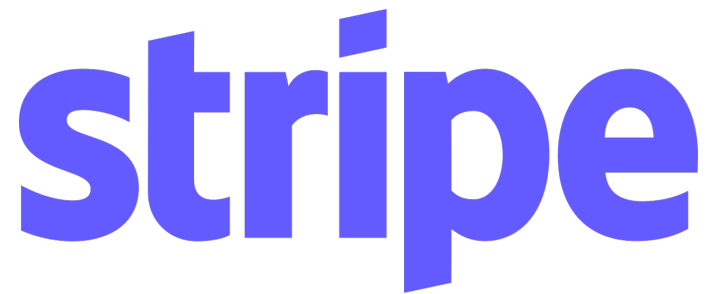
## Server Infrastructure







Dependencies  
and Key  
Technologies





Google Oauth2



Client ID + Secret


# Tools

 Postman: API testing

 GitHub: Version Control

 Jira: Planning

 Discord: Communication

 Drive: Document Storage

 VS code: Code Editor



# Security



SSL (HTTPS)



Hashed passwords



JWT web tokens



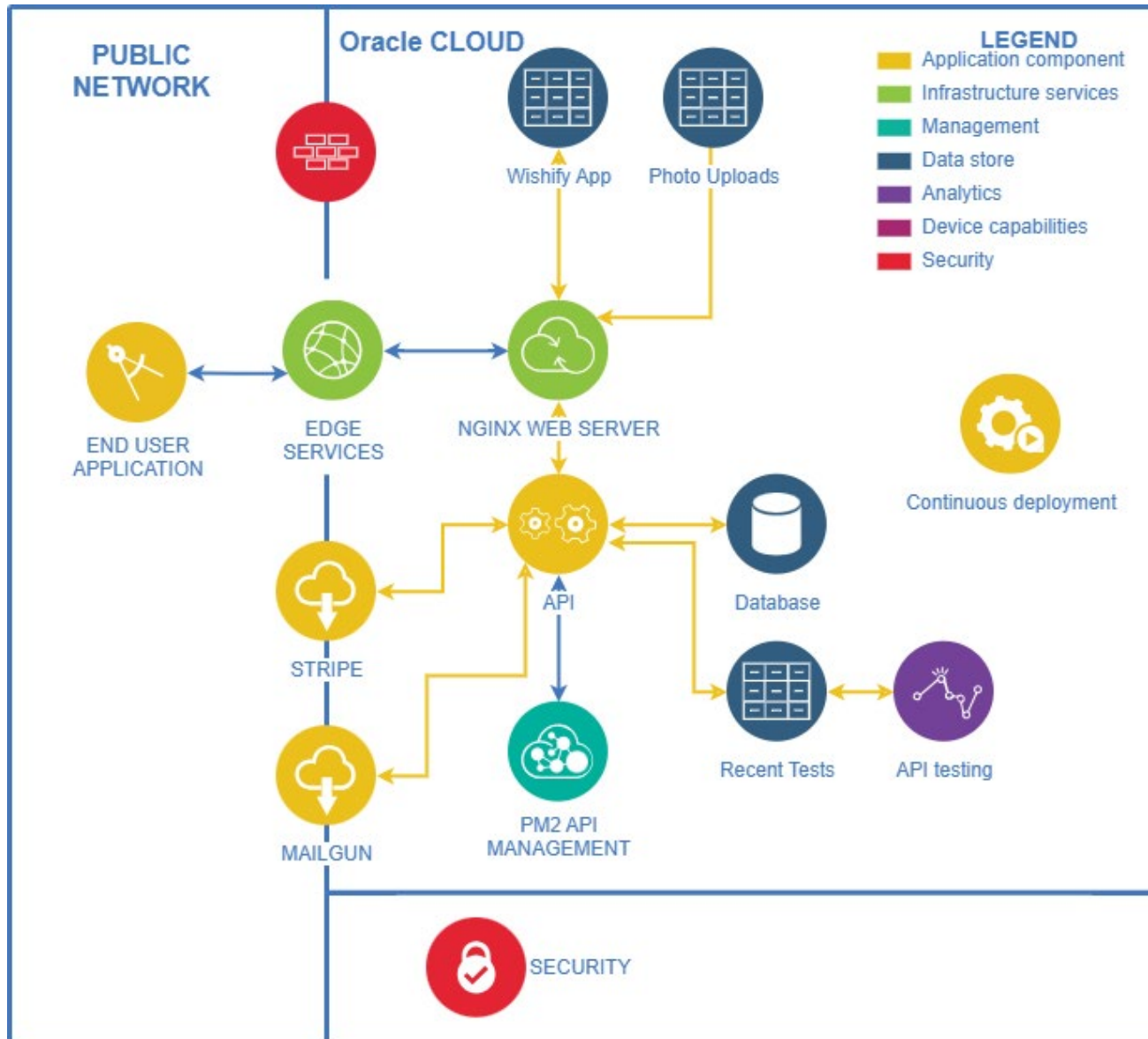
Ownership checks on all edit and delete requests



Automated tests for all auth



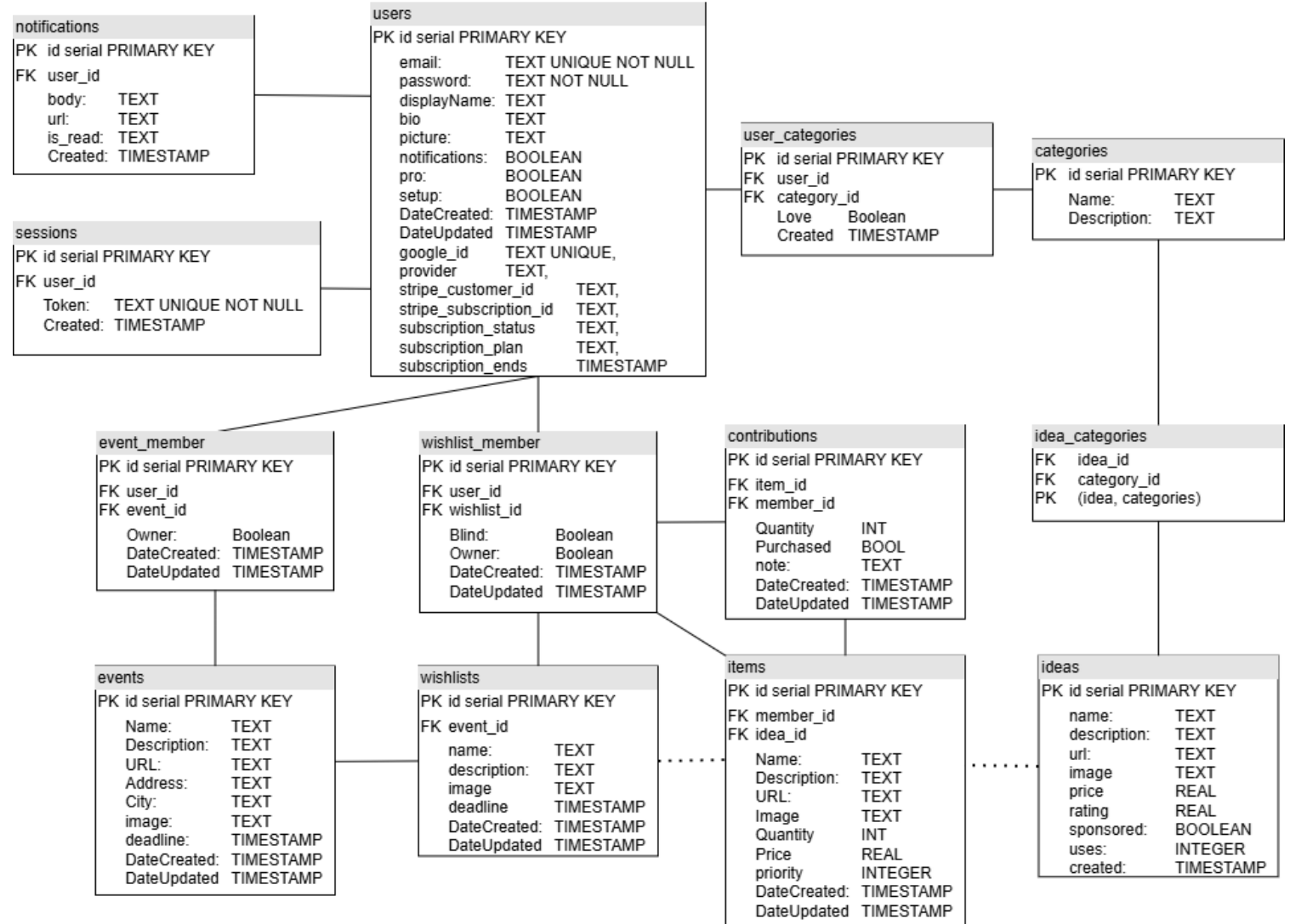
Using environment files to hold keys



# How does our Web App Work?

# Database Design

## Wishify Database Design



# Testing



## User Testing:

Conducted informal user testing by sharing the application with friends and gathering feedback.

Reviewed feedback on usability, design, and functionality and implemented changes based on suggestions where applicable.



## API Testing:

Performed backend testing to ensure API endpoints were functioning correctly.

Status page to demonstrate successful responses and error handling.

<https://www.wishify.ca/status>

Scheduled and Automated Tests



## End-to-End Testing:

Documented the full user flow, from landing on the homepage to completing a core task.



# AI Assistance

## Chat GPT

- Troubleshooting
- Legal Disclaimer
- Some Database queries
- General Learning
- CSS



## v0

- Initial page design
- CSS
- General learning



## GitHub Copilot

- Troubleshooting
- Initial page Design
- CSS
- General refactoring



# Walkthrough





# Team Contributions



# Nick

## Back-End API Development:

- Designed and implemented the entire back-end architecture, to support core functionality.
- Ensured secure data handling, validation, and integration with the front-end.

## Deployment & Infrastructure Management:

- Took the lead on defining the overall system architecture, ensuring smooth integration between front-end, back-end, and database layers.
- Handled server configuration, and environment management to ensure a smooth development and release workflow.
- Decisions around frameworks, database structure, and service interactions to align with project requirements.

## Frontend Developer

- Contributed by creating the About, ToS, Privacy Policy, Success, Cancel, and Manage Subscription pages for the application.
- Working with Stephen to fill 'ideas' database with products and information.



# Geoff

## Scrum Master

- Coordinated team meetings and TA meetings
- Communicated via email on behalf of the group
- Booked Library Rooms and posted meeting info in Discord

## Design & Implementation of Status Page (Automated API Endpoint Testing)

- From Idea to Deployment - Full-stack
- Wrote most of the tests - Anthony helped with the Categories Tests
- Worked with Nick to set up the server Cronjob
- Used v0 for initial front-end page design

## Wishlist Items Page (Front-end)

- Re-ordering, Sorting, Viewing, Creating, Editing, Deleting Items
- Member Permission Management, Blind & Owner States

## Frontend Developer

- Front-end Wishlist Sharing
- Front-end Notifications
- Pitched the Project Idea to the group





# Stephen

## Frontend Developer

- Responsible for the layout of many of the Wishify pages
- Contributed to meeting discussions and provided feedback on the other member's work
- Maintained consistency across the codebase
- Completed initial setup of Jira page

## Ideas Page

- Developed in partnership with Nicholas who had the idea and mockup design
- Implemented the layout and worked on the CSS for the Idea Item components,
  - Modifying Justin's popular item cards on landing page
  - Using Anthony's profile categories and API requests
- Helped with backend data entry for product listings

## Wishlists and Events Home Pages

- Edit menu, duplication, deletion, renaming, sharing, and creating wishlists/events

## Event Page

- Owner Version: Editing title, date, description, address and adding wishlists to events
- Non-owner Version: Can view all event information and attached wishlists

## Contributions Commenting and Displaying

- Implemented the commenting on contributions feature and the seeing all contributions on the homepage feature
- CSS Styling has been improved by Geoff and Justin





# Anthony

## Front-End Development

- Register and Login pages
- Forgot Password and Reset Password pages
- New user First-Time Setup Modal
- Profile Settings Page
  - Implementation
  - Custom modals to edit each setting
  - Adding and Removing Likes/Dislikes
- Public Profile Page
- Contributed to mobile responsiveness and CSS styling of my pages
- Curated predefined list of like/dislike categories and created script to automate adding them to backend

## Contributed to API Testing

- Added tests for Categories endpoints



# Justin

## Front-End Development

- Focused primarily on the UI side of the project.
- Implemented responsive interfaces for both desktop and mobile.
- Developed components including the landing page, profile menu, upgrade page and other interactive UI elements.
- Handled all CSS styling, ensuring consistency and responsiveness across devices including mobile.
- Helped troubleshooting and fixing frontend issues with features.
- Implemented image selector for Wishlists and Events page.

## UI Design

- Designed clean layouts that aligned with user needs and the overall product vision.
- Participated in design discussions based on team feedback.

## Documentation & Communication

- Took responsibility of meeting notes, minutes, and internal documentation.
- Responsible for creating slide decks for Progress Report Meeting and more
- Ensure clear communication and record-keeping throughout the project.



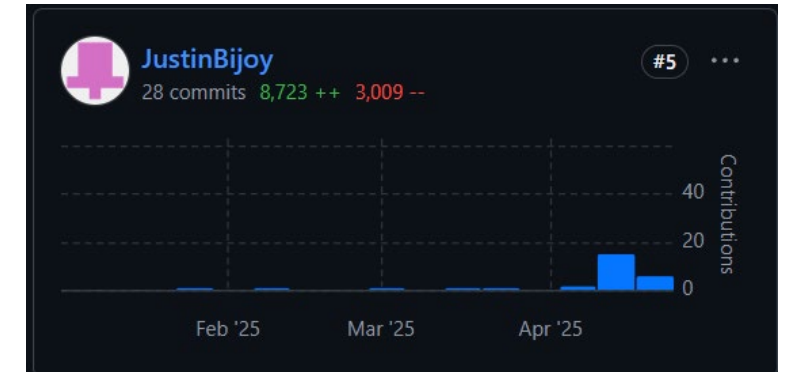
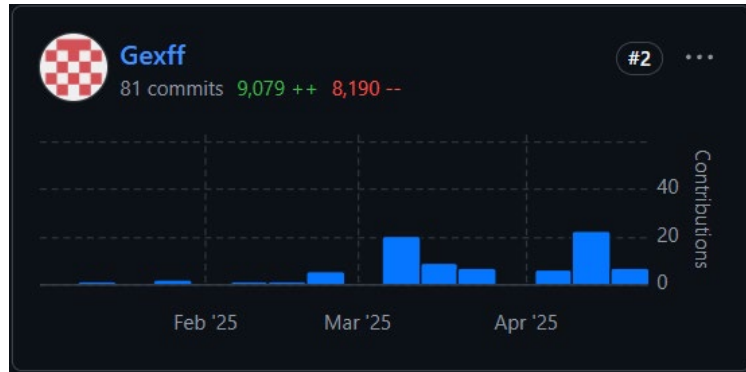
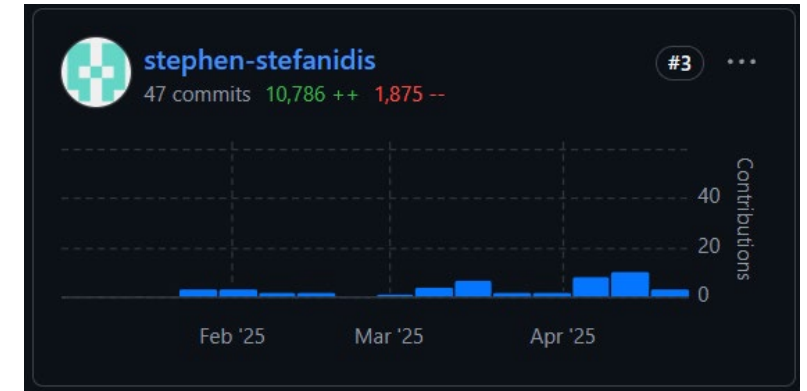
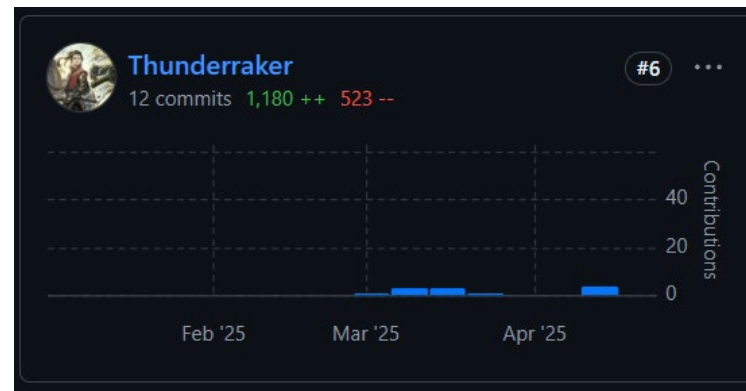
Ethan

## Front-End Development

- Created the home page.
- Created the help page.

## Research

- Conducted research on existing applications with a similar concept to ours.
- Drew mockup designs on their layouts to get better idea of common functionality.
- Created mock-data for the Ideas page.



# GitHub Commit Logs

Records of all individual GitHub logs of lines added and commits





Thank  
You

Thank  
You

Keep Wishing....