Project Final Presentation

Brandon Rada
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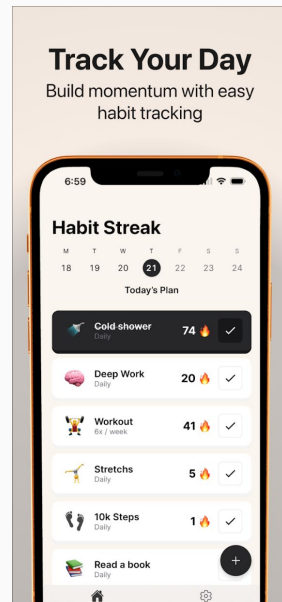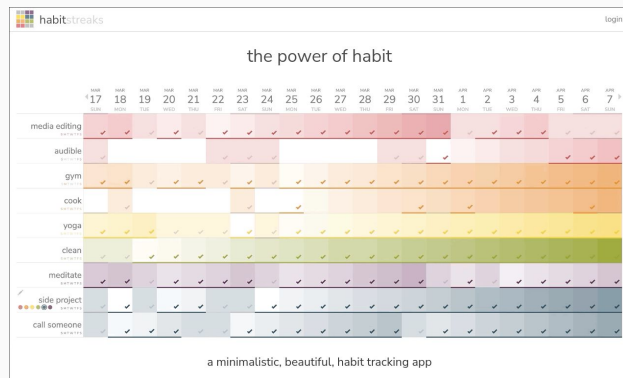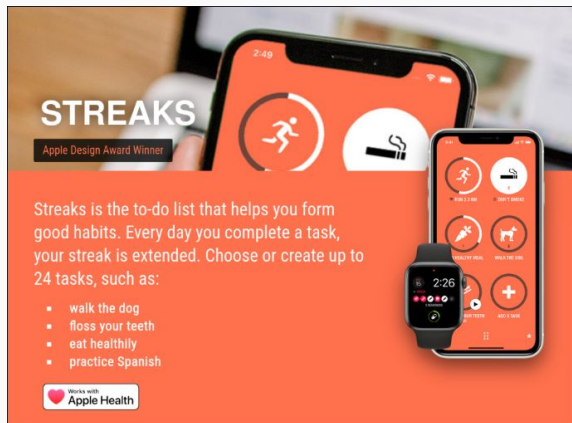COMP 7082   Group 1

BELK

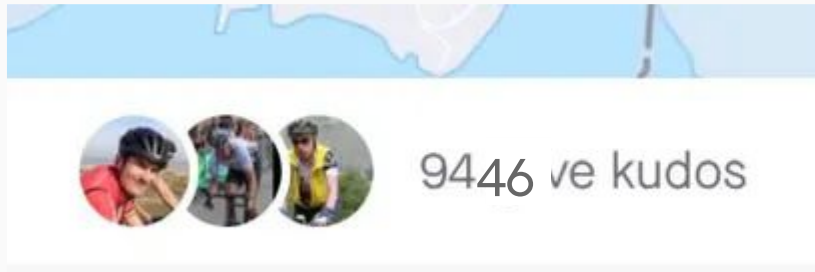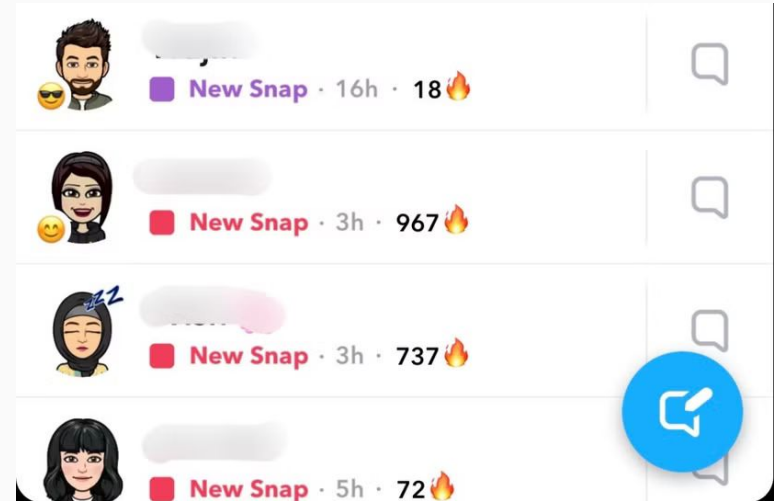**Brandon Lucas Kevin Evin**

Problem

➢ Many habit tracking apps exist on the market

➢ None of them enforce keeping habits

➢ None of them had any **social aspects**!

Solution

➤ Creating a habit tracking app combining:

  ○ Streaks from Snapchat

  ○ Posts and kudos from Strava

9446 ve kudos

STRAVA™

flyntapp.io

Username: Test
Password: asdfasdf

BELK
Brandon Evin Lucas Kevin

Login

Flynt

Ignite your Fyre
Grow together

Login

Login   Register

Login

Username

example@flyntapp.io

Password

****

Reset   Submit

Login   Register

Register

Username
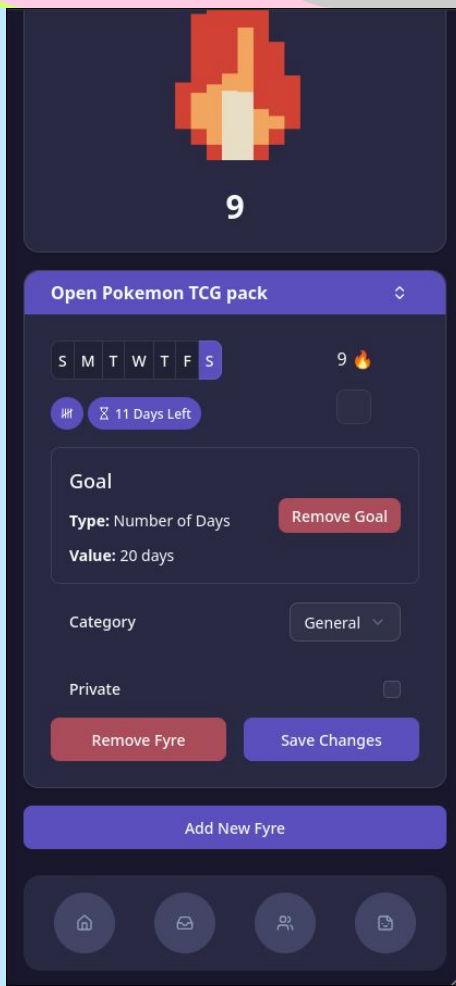
Flynt

Name

Your Name

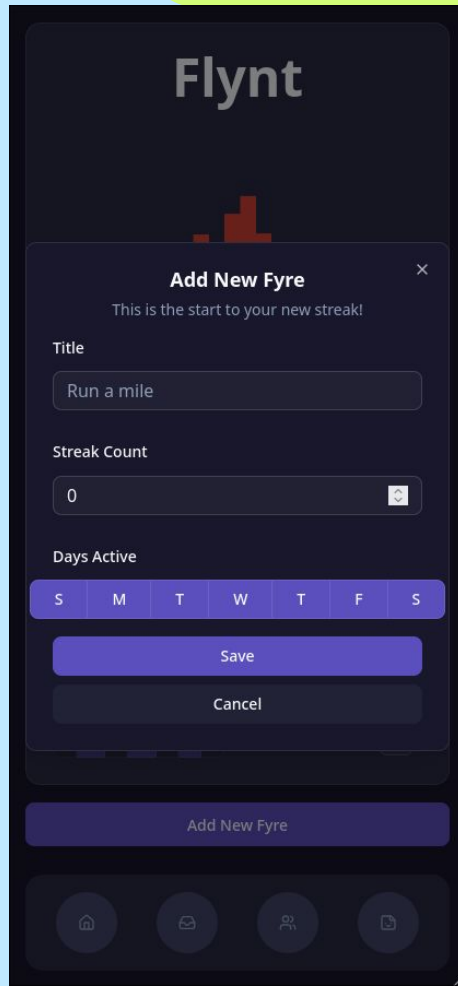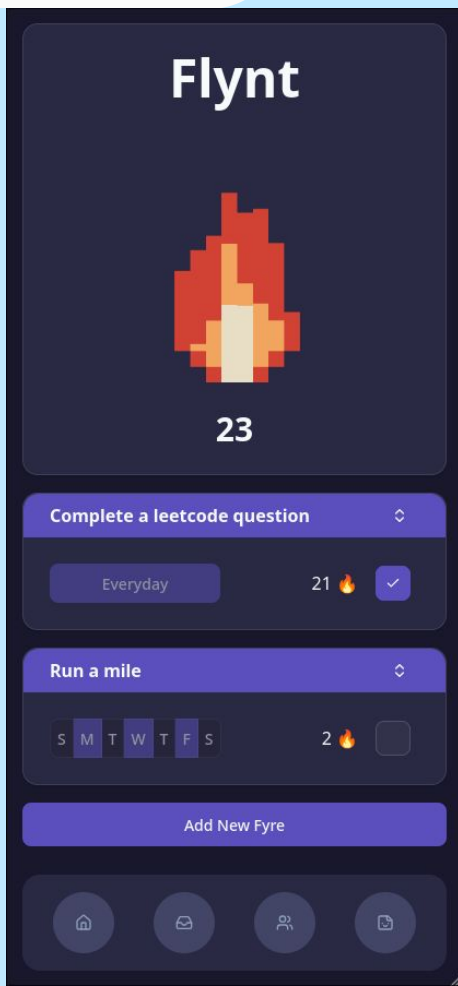Password

****

Email

example@flyntapp.io

Timezone

America/Vancouver

Reset   Submit

BELK
Brandon Evin Lucas Kevin

Fyres

Feed

Banunu   2 🔥 ⋮

Banunu just hit a streak of 2!
Run a mile: 2 days   0 🕯️

Banunu   21 🔥 ⋮

Banunu just hit a streak of 21!
Complete a leetcode question: 21
days   0 🕯️

Banunu   2 🔥 ⋮

Join BonFyre

Add friend

Block user

Banunu just hit a streak of 2
Run a mile: 2 days

Banunu   21 🔥 ⋮

Banunu just hit a streak of 21!
Complete a leetcode question: 21
days   0 🕯️

Join this BonFyre?   ✕
User: Banunu
Fyre: Run a mile

Confirm

Cancel

B E L K
r v u e
a i c v
n n a i
d   s n
o
n

Friends

Profile

Profile

Logout

Username

Banunu

Name

Kevin Nguyen

Current Password

****

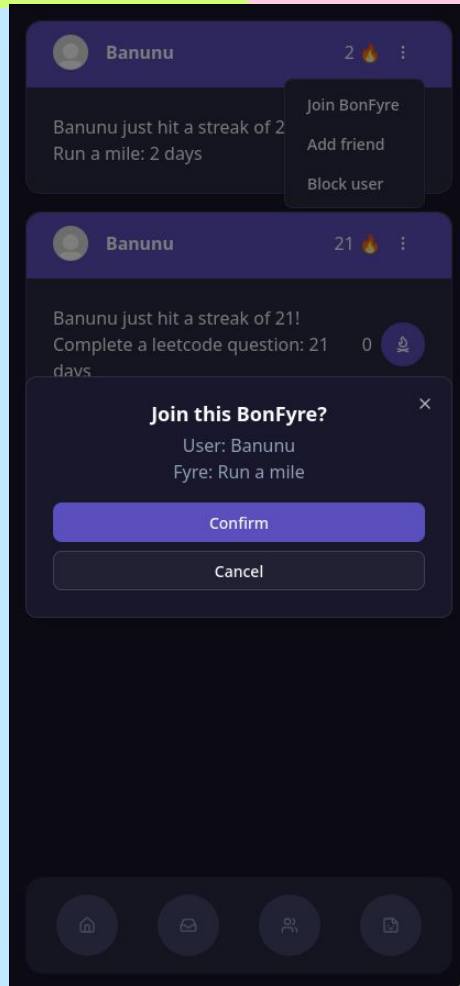New Password

****

Email

kevin@gmail.com

Bio

Timezone

Canada/Pacific

Reset   Save

B E L K
r v u e
a i c v
n n a i
d   s n
o
n

Design

Map

Chat

Camera

Stories
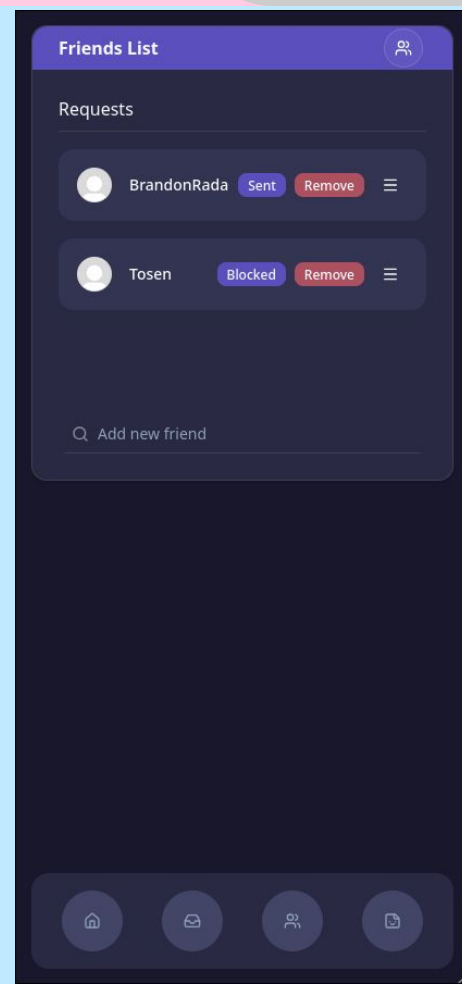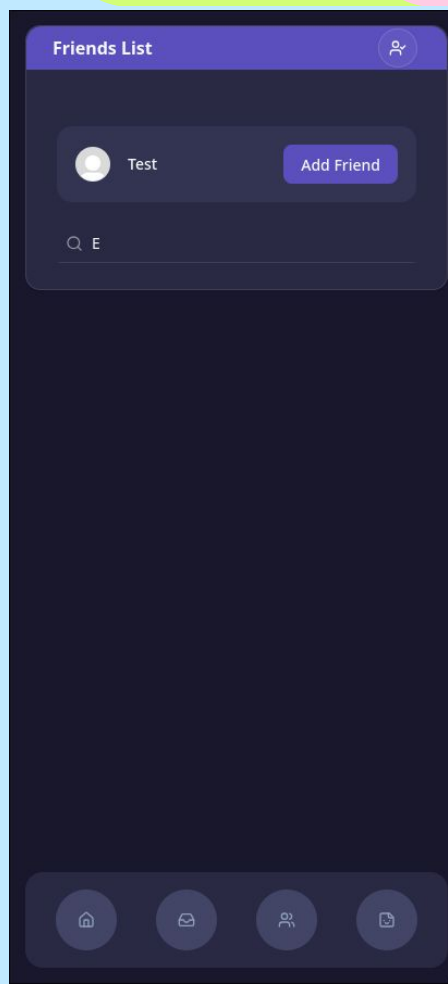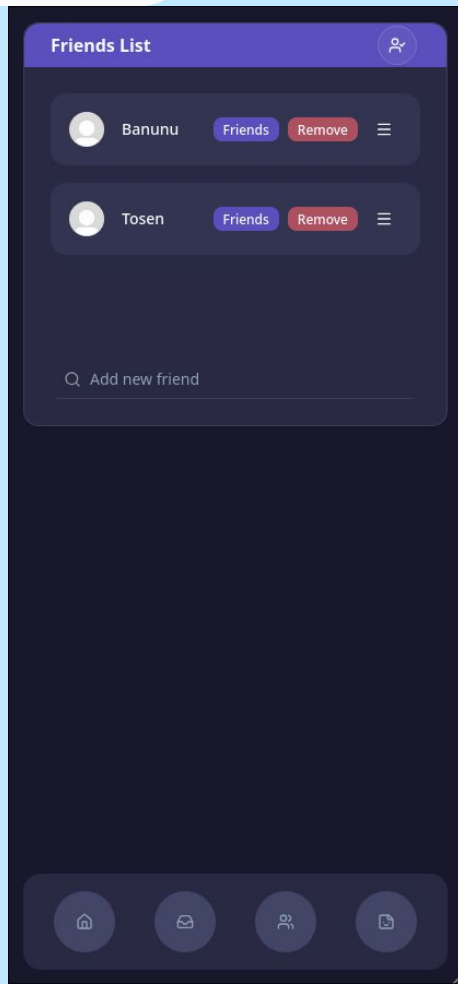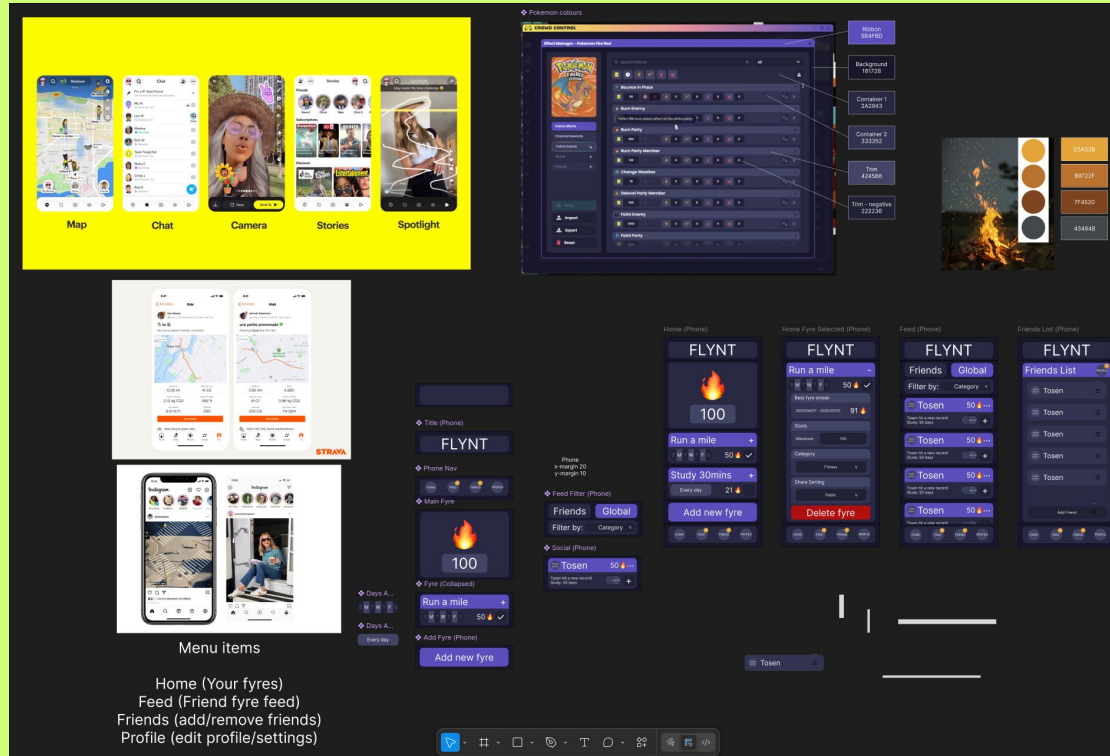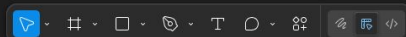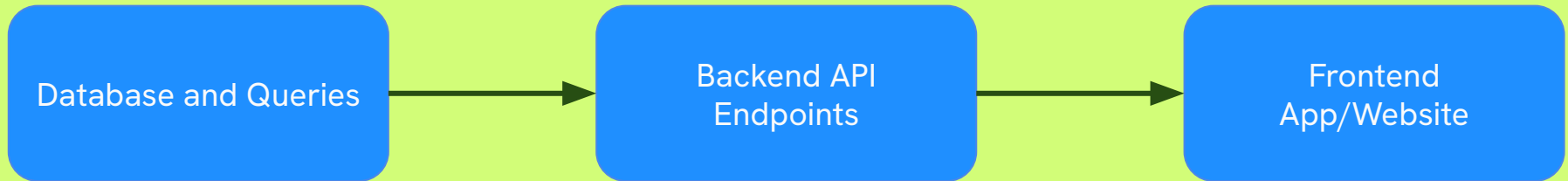
Spotlight

Ribbon
5B4FBD

Background
18172B

Container 1
2A2943

Container 2
333352

Trim
424566

Trim - negative
222236

CROWD CONTROL

Effect Manager - Pokemon Fire Red

E5A53B

B9722F

7F4520

43494B

Home (Phone)

Home Fyre Selected (Phone)

Feed (Phone)

Friends List (Phone)

FLYNT

100

Run a mile +
Study 30mins +

Add new fyre

FLYNT

Run a mile -
50

Best fyre streak
2025/04/01 - 2025/07/01 91

Goals
Milestone: 100

Category
Fitness

Share Setting
Public

Delete fyre

FLYNT

Friends Global

Filter by: Category

Tosen 50
Tosen hit a new record!
Study: 50 days

Tosen 50
Tosen hit a new record!
Study: 50 days

Tosen 50
Tosen hit a new record!
Study: 50 days

Tosen 50
Tosen hit a new record!

FLYNT

Friends List

Tosen
Tosen
Tosen
Tosen
Tosen
Tosen

Add Friend

FLYNT

◆ Title (Phone)

FLYNT

◆ Phone Nav

HOME FEED FRIEND PROFILE

◆ Main Fyre

100

◆ Fyre (Collapsed)

Run a mile
50

◆ Add Fyre (Phone)

Add new fyre

Phone
x-margin 20
y-margin 10

◆ Feed Filter (Phone)

Friends Global

Filter by: Category

◆ Social (Phone)

Tosen 50
Tosen hit a new record!
Study: 50 days

◆ Days A...
S M T W T F S

◆ Days A...
Every day

Menu items

Home (Your fyres)
Feed (Friend fyre feed)
Friends (add/remove friends)
Profile (edit profile/settings)

Tosen

STRAVA

E Kevin
L Lucas
K Kevin

Layered Development for Features

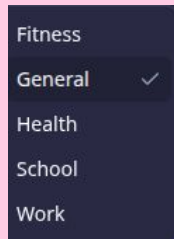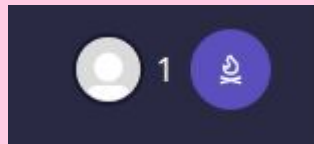| Database and Queries | → | Backend API Endpoints | → | Frontend App/Website |

Challenges

➢ Backend (Go) in a different language than frontend (TypeScript)
  ○ Needed to make sure endpoints worked correctly on both sides
  ○ Handle/convert json properly since both sides work differently
    ■ Keeping variable names consistent across DB, Backend, & Frontend
  ○ Chose TypeScript > JavaScript to help with type validation

➢ Using Shadcn
  ○ Needed to adhere to the guidelines

Future Considerations

➢ More Customization such as profile pictures, as well as seeing people's bios.

➢ Custom emoji / comment reactions to fyres

➢ Have friends and non-friends in a separate feed

➢ Filtering feeds based on category

➢ Improve timezone Selection

➢ Scalability concerns, currently using digitalocean and vercel

➢ Improve social posts section (algorithm, microservice for posts, nosql db)

➢ Switch from Auth token only to a combination of Auth and Refresh tokens

Lessons Learned

➢ Start projects with layered development in mind

➢ It is hard to make creative frontend designs that stand out amongst other apps

➢ Plan the testing environment before beginning development

➢ Figuring out project roles early on makes the development process much smoother

Question Time!