STOMP COVID RUMORS

Application Concept
Stomp Covid Rumors is a COVID-19 education app that allows students on campus to track rumors of COVID infections in their campus community. Students can post about news of COVID-19 cases and provide details. They can interact with other students' posts by up-voting and down-voting rumors that may be false and even track past rumors in a 3-month span. UMD officials in the health department or in Resident Life can also be active on the platform to monitor rumors and debunk rumors. They would have administrator privileges. There will possibly also be a section to the app also dedicated to links to important COVID-19 information and campus resources (still deciding on this).
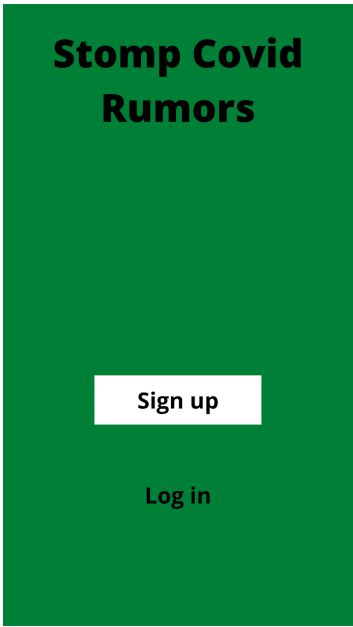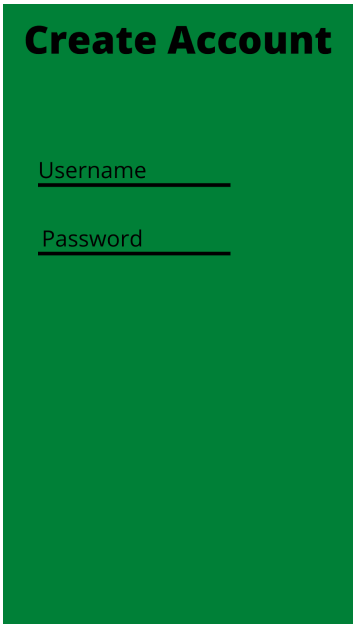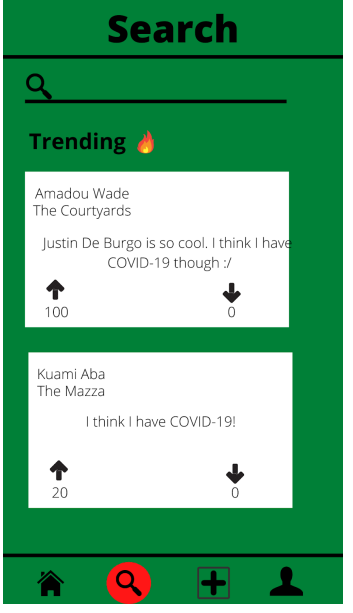
Key Functionality
Features
- Page for Trending Posts (ranked by Reddit-like feature of up-voting/down-voting)
  - Track by UMD Community (North Hill, South Campus, View, Varsity, etc.)
- Page for Previous Posts (past 3 months)
- Add Post
- Remove post
- Login for UMD Students/ UMD Officials
- Administrator option to flag posts and debunk rumors
- upvote and downvote button
- Important links

Database
- Database holding all COVID-19 Rumors

Architecture and Android System Components
- Firebase - keeping track of users
- Lifeycle Components- keep track of updates to posts
- Notification - Top Rumor of the Day, etc.
- Data Management
  - SharedPreferences - keep track of top rumors via upvote count
  - Preference Fragments- for user preferences
  - SQLite- records of posts
- Permissions - for regular vs administrator users
- User Interface - Views such as TextBox, Button, Menu, ToggleButton, RatingBar, etc.

Stomp Covid Rumors

Sign up

Log in

Landing Page
Description: This is where users can choose to sign up or log in

Create Account

Username

Password

Registration/Login
Description: This is where users create an account or log in

Home

Kuami Aba
The Mazza

I think I have COVID-19!

↑
20

↓
0

Amadou Wade
The Courtyards

Justin De Burgo is so cool. I think I have COVID-19 though :/

↑
100

↓
0

Home Page
Description: This is where all of the posts are displayed in order

Search

Trending 🔥

Amadou Wade
The Courtyards

Justin De Burgo is so cool. I think I have COVID-19 though :/

↑
100

↓
0

Kuami Aba
The Mazza

I think I have COVID-19!

↑
20

↓
0

Search/Trending
Description: This is where users can search for posts and it displays trending posts by default

Add Post

What happened?

Where?

Add Rumor
Description: This is where users can make a post

Profile

Username

Password

Save

Profile
Description: This is where users can change their profile name or password