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GitHub Username: anikraj1994

Campus Secrets

Description

There are hundreds of students coming in and out of a college yearly, and everyone needs to be heard! Campus secrets is an all in one digital notice board which shows you posts by students within the context of the college. Whether it be the next party, exam schedules or even

free food in the canteen, campus secrets will make sure no one misses out. It updates real time too!
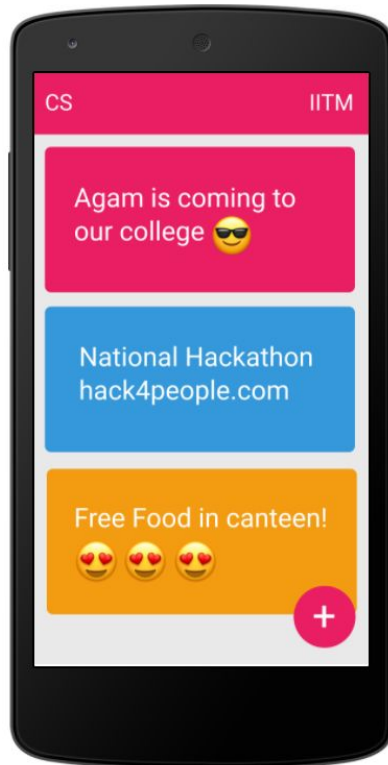
Intended User

College students!

Features

- Can take pictures
- Type over pictures
- Realtime feed using firebase
- Emojis

User Interface Mocks

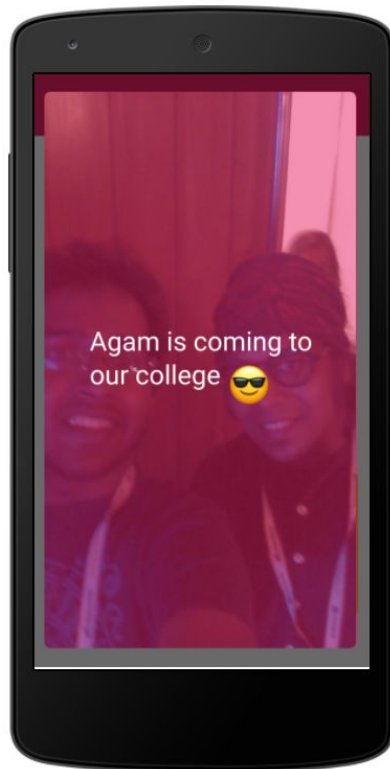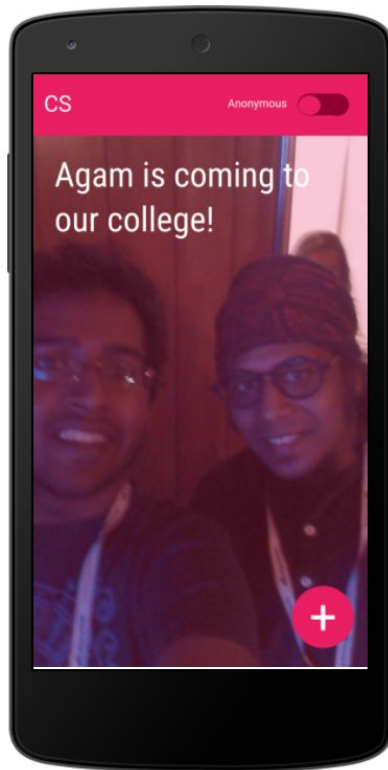Live preview - https://marvelapp.com/14j55f0

Screen 1

This will be the main screen with list of posts shown, vertically scrollable with a FAB to add a new post.

Screen 2

On clicking the post, it will expand and show the post with the image.

Screen 3

This is the 'add post' view where user can type and add images. He can choose if he wants to post anonymously.

Key Considerations

How will your app handle data persistence?

Will use content providers and loaders to store data locally and display it in activity

Describe any corner cases in the UX.

There will be a single page for feeds. On pressing the '+' fab, user can post. User will go back to feed if 'add post' view is visible, else it will close the app.

Describe any libraries you'll be using and share your reasoning for including them.

Glide - because it's awesome
Firebase-UI - best firebase implementation with smart auth and database access.

Describe how you will implement Google Play Services.

Auth - for login and authorization of user
Location - to fetch user location to get closest colleges

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

Task 1: Project Setup

- Setup all libraries
- Make a new firebase project
- Include firebase in build

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity Feed
- Build UI for AddScreen
- Build UI for ShowDetails

Task 3: Implement FIrebase database and sign in

- Implement smart sign in
- Real Time database with offline persistence
- Modelling data to the views
- Make posts searchable (request using asynctask)

Task 4: Get User input to add post

- Input message
- Images if user requires
- Compress image for better efficiency
- Save data to firebase

Task 5: Implement material design and motion

- Have smooth transition from post to details screen
- Use material design guidelines

Task 6: Build widget to quickly post

- Straight to camera widget

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