Instagram App
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1. Abstract

1.1. Project Purpose
What is the purpose of this project? What problems do you want to solve?

- Learn how to build the UI of the instagram App

- Learn how to use authentication using token

- Learn how to use stack navigator, drawer navigator, and tab navigator

- Learn how to customize the UI using various icons and features

1.2. Background/Motivation
Why are you interested in doing this project? Have you worked on something similar before?

- I'm interested in making such apps so that I can improve my skills in making mobile apps. I have never done similar work before, so I want to learn from making an app.

2. Technical Specifications

2.1. **Platform:** Android and iOS App

2.2. **Programming Languages:** HTML, JavaScript, React Native

2.3. **Stylistic Conventions:** Commenting, camelCase

2.4. **SDK:** Android SDK

2.5. **IDE:** Eclipse

2.6. **Tools/Interfaces:** Android and IOS phone

2.7. **Target Audience:** Android and IOS phone users

3. Functional Specifications

3.1. Features
Several bullet points of what kind of functionality your project will feature. What should the user be able to do?

- IOS camera and IOS-send icon

- Home tab, search tab, media tab, likes tab, profile tab

- Feeds

- Story headers

- Etc

3.2. **Scope of project**
What are some of the limitations of this product?

- It might work in android phone but not in ios phone or the other way

4. Timeline:

4.1. Week 1

- Basic layout (Build some components and buttons)

- Using Steemit API for Home tab

- Adaptive and features

  - works both on Android and IOS

  - swipe, animation

  - Navigators

4.2. Week 2(profile features)

- Home header : stories(follow_api)

- Profile header : profile info (follow_api and database_api)

- Segment Buttons for Profile(design)

4.3. Week 3

- Implement 2nd tab in Profile page(fetch account info on profile 2nd button)

- Implement Search Tab

- Login Page

5. Future Enhancements
What are some cool tweaks you'd want to make to your product after the core functionality is done? Are you planning to work on it in the future?

- Probably make some new features that actual instagram app doesn't have

- Design fancy UI

6. Test plan

- Manual Test Plan

- Testing firebase authentication by attempting to sign in with user.

- Import my app or framework module into the unit test target

- Unit testing components