**Original Character Universe App**

*This project is inspired by Amino, Instagram, and charahub.com*

**Activity Page:** Login page, search user page, home page, create character page, setting page, view other user’s page, and view other user’s character.

**Features:** Favorites, Comments, getting the email verification from the internet to see if the email address exist.

**Login Page:** Must have email and password to login, and they must have a verify email from the internet to see if the email exist.

* Forgot Password
* Email Verification if exist in the internet
* Extract Method – if (user.IsValid), Login(); SetupAccount(); ShowHomePage();

**Home Page:**

* Tab: Create character, title, and favorites
* Clickable Gallery of uploaded character to pull up the current user’s character
* Setting button that links to the setting page to allow use *to change username, password, or email.*
* Search button that opens up another activity to explore the webpage of users, but possibly search for characters?
* Search buttons, setting button, and logout button will STICK to the activity when the user is JUMPING through the activity page EXCEPT for the create character page.
* When user clicks on their character’s imageview, he/she can EDIT the character information.

**Create Character page**

* Hashtag needed for character search instead of user search (is this idea better?)
* Character’s basic information
* Uploaded character to the user’s gallery

**View Other’s user profile:**

*When the user searches through the search page, the user will see a character based on existing hashtag that is found in the system. IF the user clicks on the username above the character’s imageview, it will lead to the other user’s profile with gallery of characters. User clicks on one character and will see the character’s activity page.*

* It will be the same as the user’s page, but it will display the ***username (Textview)*** of the user’s ***page of characters (Gridview)(ImageView).***
* User’s character activity page will include the other user’s username and other user’s character

**View other’s user character:**

* Clickable Username (Textview) to lead to the other user’s profile and ImageView of Character based on the database, description in multiple Textview
* Current user can add a favorite and a comment, which will be saved in the database.

**FAILED IDEAS THAT I DID BRAINSTORM**

**-**Network Components idea that I didn’t use: 000webhost (failed because there were too many php tutorials), Parse server (the storage is too small for storing images), Amazon server (has money involved and too small), springboot (nope)

-REST API – I think firebase has it, but I’m not sure how it works.

-Attempted to make a website from firebase, but I realized this wasn’t part of the plan to make a networking component.

-Alert dialogs (but way too much complicated when a fragment opens another fragment)

-**SQLite** (but it didn’t help much since my phone didn’t have the folder for me to access to the database while watching the tutorials on Udacity)

- GMAIL API – It failed because it was complicated to work with the current JSON parser that was provided in the given documentations

-DISCORD API- New API, but I don’t think it’s right for the app.

-**Comment feature** – The data would be nested in firebase, but had no time for it

-**Hashtag feature** – gave up the idea because I was having a hard time referencing the user’s characters. Obviously too much texting on the android phone.

-***Like Feature*** – I wanted to implement this, but the firebase thing gave me a complicated rule for the likes feature.