

GitHub Account Management Android App

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Abstract: GitHub Account Manager Android App is an efficient way to keep track of GitHub accounts, we can track any GitHub account easily with efficient and simple user interface using this application. We can see all the functionalities of GitHub in this application on a single click. This application can eliminate the fear of new user and help to make GitHub easier and simpler. It will simplify the complex terms of GitHub and helps the user to better understand and learn new technologies and to help them to explore new terms of technology.

I. INTRODUCTION

The application works on GitHub Open-Source API (Application Programming Interface) for its operation. An Application Programming Interface is a software intermediary or a bridge between two applications that allows them to talk to each other. In this application “GitHub Account Management using Android App” we will use the API to connect our application with the GitHub.

In this project we can easily see the someone’s profile on one click. We can track their followers easily. We can see their followings that which people or pages or groups the used to follow. We will be able to see their recent activities. We are also able to track their repositories, we can see the problem present in repositories. We will be able to see the particular issue on

GitHub. Overall, we can do all the activities on “GitHub Account Management using Android App” same as we perform on GitHub. This is a simple, user friendly especially fresher friendly application that someone use in efficient way.

This project will simplify all the complexities of GitHub and provides following features.

- Verify GitHub profile
- Visit GitHub profile
- Track followers: we can track number of followers, following and number of repositories using this app;
- View Recent activity of account: we can view recent activity of user i.e., push and another request associated to user.
- Track repositories: We can see all repositories of particular user with proper data and time.
- View Issues in repositories: we can view all the issues in particular repositories.
- View particular issue on GitHub.

II. Literature Review

GitHub is the open-source version control software that lets multiple people make separate changes to web pages at the same time.

GitHub is a big platform and it is complex to use so we are developing a android application which can track any GitHub Account by providing simple and attractive user interface.

We hope this application will definitely make the GitHub account management simpler. It will make understanding the of technologies easier and simpler for new users and the freshers and contribute to make technologies more understandable.

III. Methodology/Experimental

Synthesis/Algorithm/Design/Method

In this every background activity is done using Application Programming Interfaces (APIs). Each Functionality have its separate API stored on server which is invoked from application by using Volley library by sending GET and POST requests.

The following facts are kept in mind during designing GitHub account management android app:

- **Verify GitHub profile**
- **Visit GitHub profile**
- **Track followers:** we can track number of followers, following and number of repositories using this app;
- **View Recent activity of account:** we can view recent activity of user i.e., push and another request associated to user.



Fig-1: Verifying username

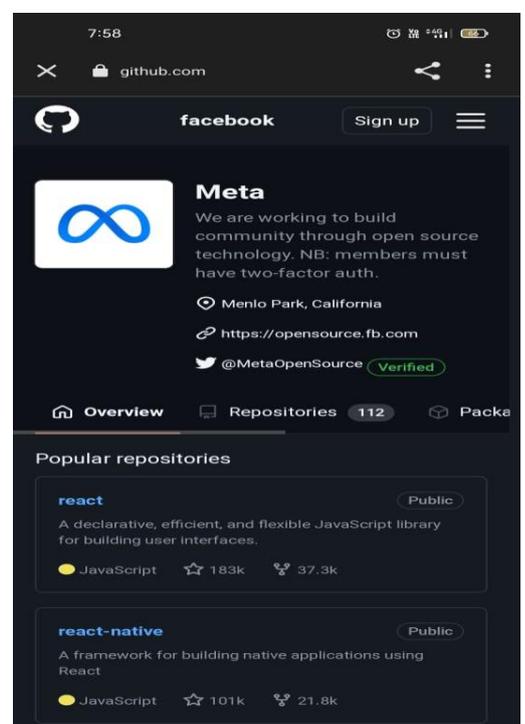


Fig-2: Visiting GitHub profile

- **Track repositories:** We can see all repositories of particular user with proper data and time.
- **View Issues in repositories:** we can view all the issues in particular repositories.
- **View particular issue on GitHub**

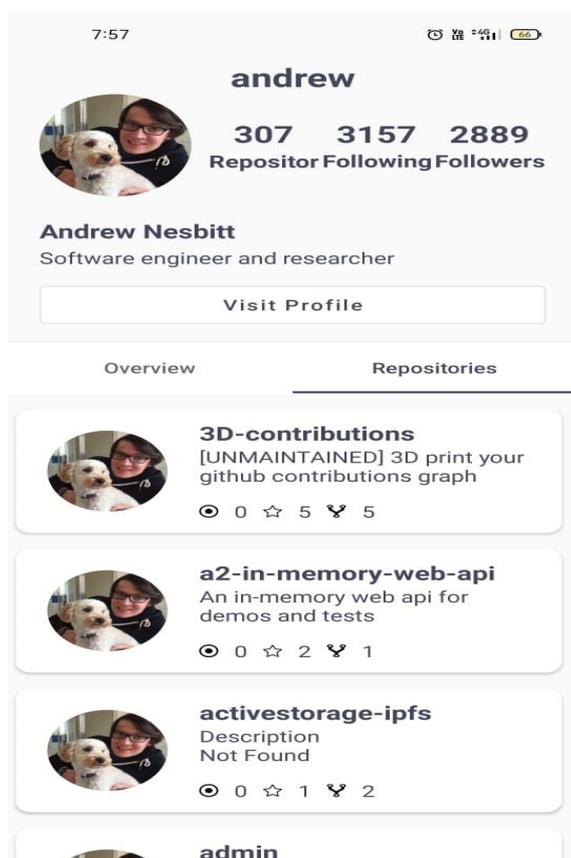


Fig-3: Tracking activities and repositories of account



Fig: Issues in repository

IV. IMPLEMENTATION

The following steps are concerned within the implementation of the proposed system:

Step 1: Element Setup: Design and considering required features and functions.

Step 2: Design: First we design the application layout in android studio for user interaction and add all component required for application like Button, ImageView, TextView, EditText etc.

Step 3: Import libraries like volley to use web service API for database connection.

Step 4:- Write Java Code for working of application.

V. RESULT

To visit some account first we have to verify the username for this enter the username and click verify username. After verifying the username, we reach to the required profile. In profile we can see the followers, followings and the number of repositories uploaded by user. Here we can also see the activities of user which he/she performed such as DeleteEvent, PushEvent,

PullRequestEvent etc. we are able to visit the profile of required user where we can perform all the above mentioned activities.

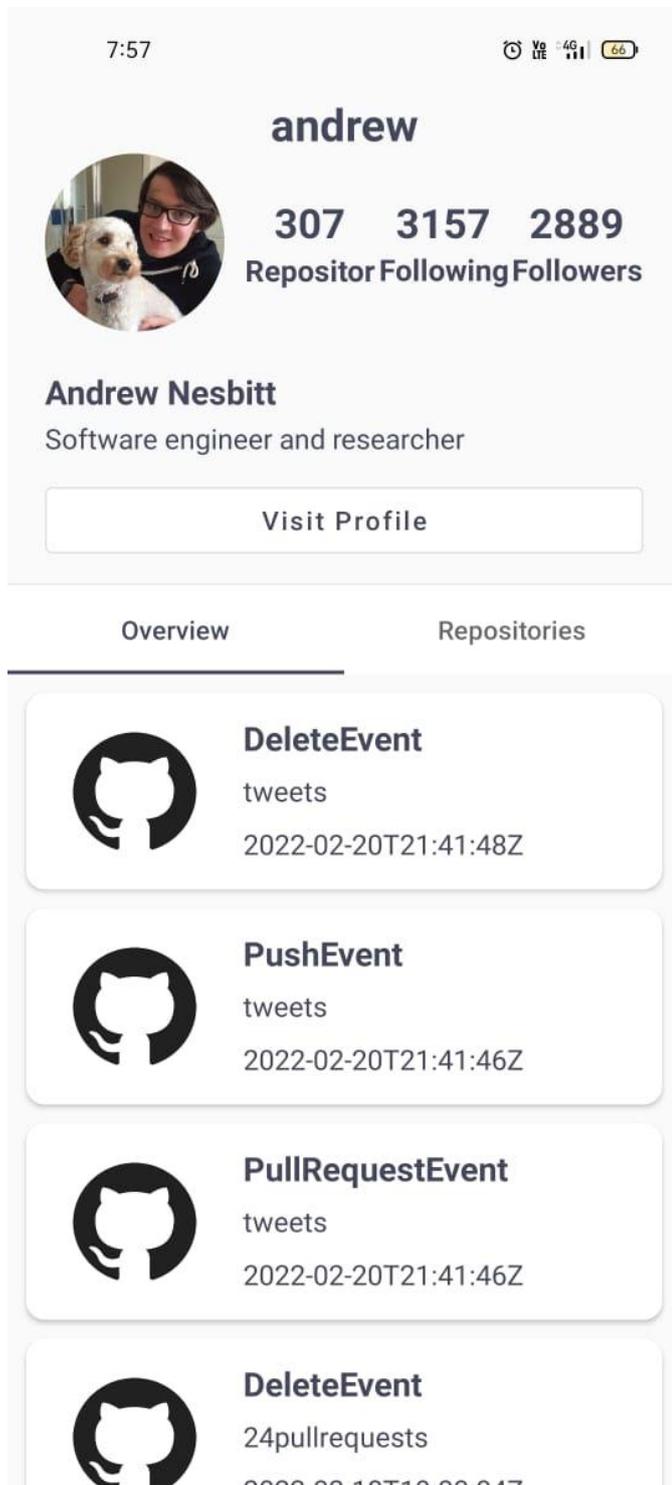


Fig-5: Screenshot of application

VI. CONCLUSION

we can say that this project will make accessing GitHub more simple and easier as compare to actual GitHub. It provides all the important and essential functionalities if GitHub in easier way. The GitHub account management app makes the managing any account easy. It is user friendly application. It provides all the possible functionalities of GitHub such as verifying username, visiting profile, tracking followers, following and repositories, seeing activities of account, seeing particular issue on GitHub and issue in repository. We hope that this project will make the learning and understanding technologies easier and simpler.

VII. ACKNOWLEDMENT

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VIII. REFERENCES

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