VIOLET HACKS @ GITHUB

How can we improve GitHub's accessibility and lower the barrier to entry?

NOT EVERYONE IS A CS STUDENT OR TECH PROFESSIONAL!

MAKE GITHUB MORE PERSONAL

- MAKE GITHUB EASIER TO NAVIGATE
- FORM RELATIONSHIPS WITH OTHER USERS
- QUANTIFY GITHUB PROGRESS & ACTIVITY
- MAKE FEATURES MORE ACCESIBLE & LESS INTIMIDATING
- DISPLAY USER GROWTH IN AN EASY-TO-READ MANNER

Did you know?

92 DAYS

THE LONGEST CONTRIBUTION STREAK BY A GITHUB USER TO DATE

GITHUB USER SENTIMENT

Make GitHub more personal and approachable

A typical GitHub user's activity will consist of:

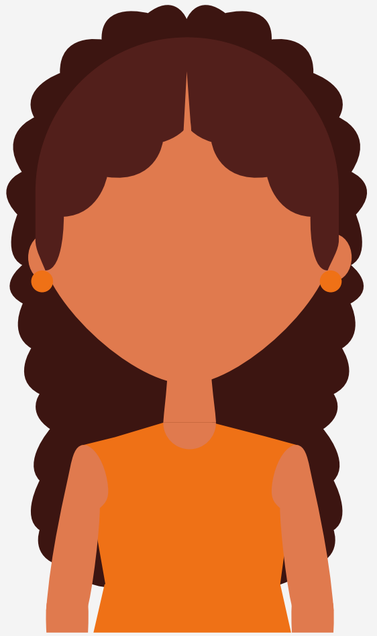
- Uploading code
- Cloning repository locally

That's it.

Possible pain points:

- Can't react or comment on code
- More advanced commands are unfamiliar and daunting
- Additonal features are not easily found

USER CASE STUDY



Julia

High School Student

Julia is a student in high school interested in CS but is unsure of how to use GitHub. Her friends use GitHub a lot, but the interface seems a bit intimidating.

GitHub User Stories

As a high school student interested in tech, I would like to explore all the features of GitHub and display my progress and growth in a way that I can share with my friends.

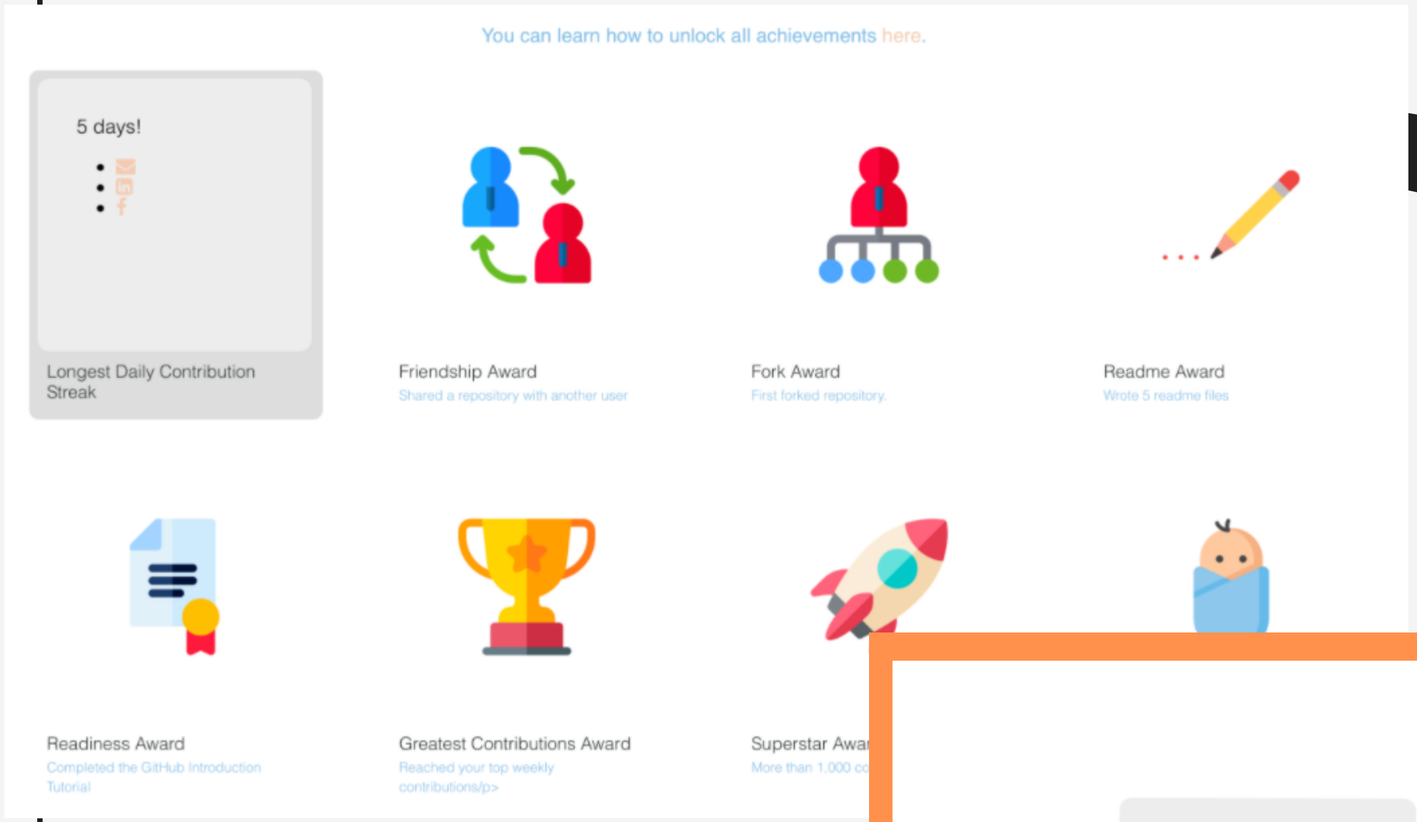
I would like for GitHub to be more community-centered, and to be able to network with other GitHub users and see their achievements.

USERS HAVE INDICATED THEY'D LIKE TO SEE A SUMMARY OF PROGRESS AND SHARE IT WITH OTHERS!

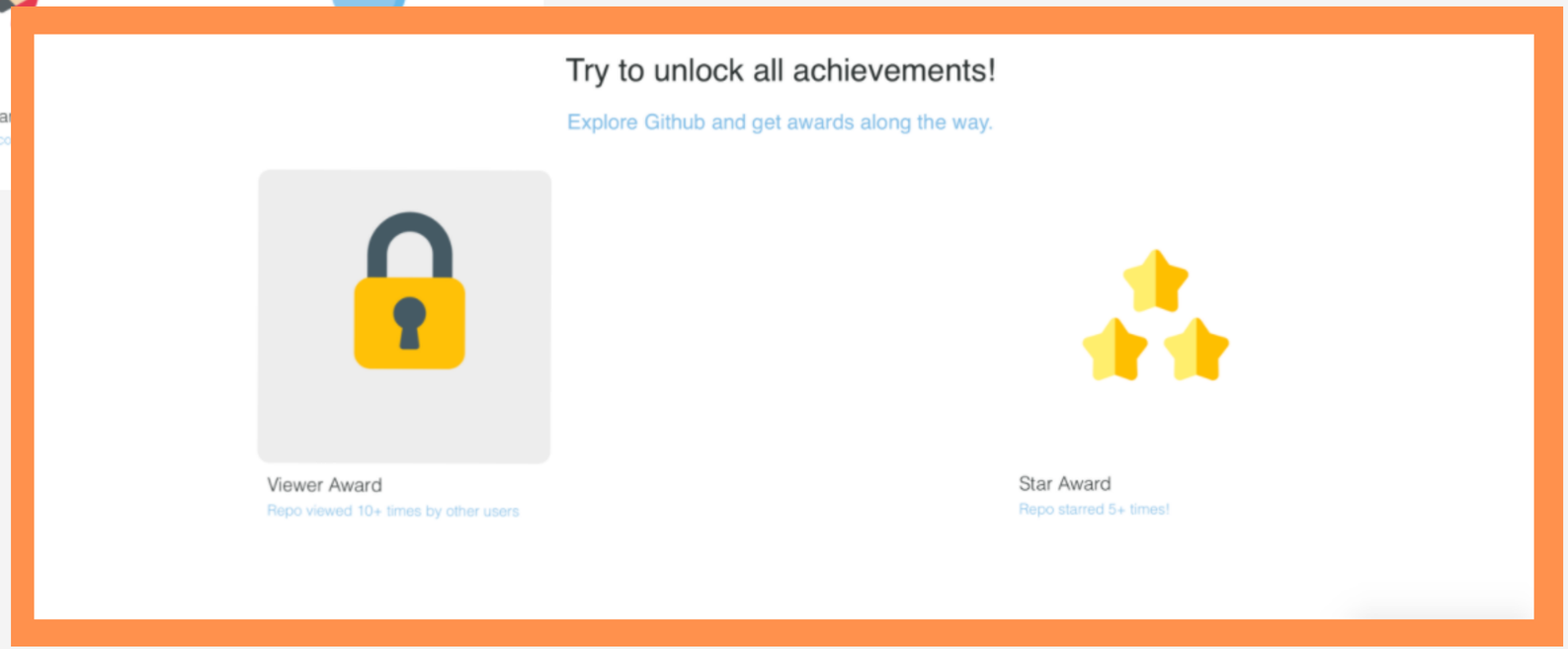
gitlit

The Home Page

- USER-FRIENDLY ACHIEVEMENTS
- CREATED USING HTML / CSS
- INTERACTIVE
- EACH AWARD FEATURES HELPFUL LINKS AND HAS REASONING



Badges that are yet to be unlocked are displayed in a separate area!



Links to GitHub resources and reasoning as to why this achievement is important!

How It Works

Unfortunately, GitHub API does not currently have a method by which to collect user contribution data

To solve this issue, we created a Python script that scrapes user contribution data from their profile and cleans the page metadata in order to extract the figures.

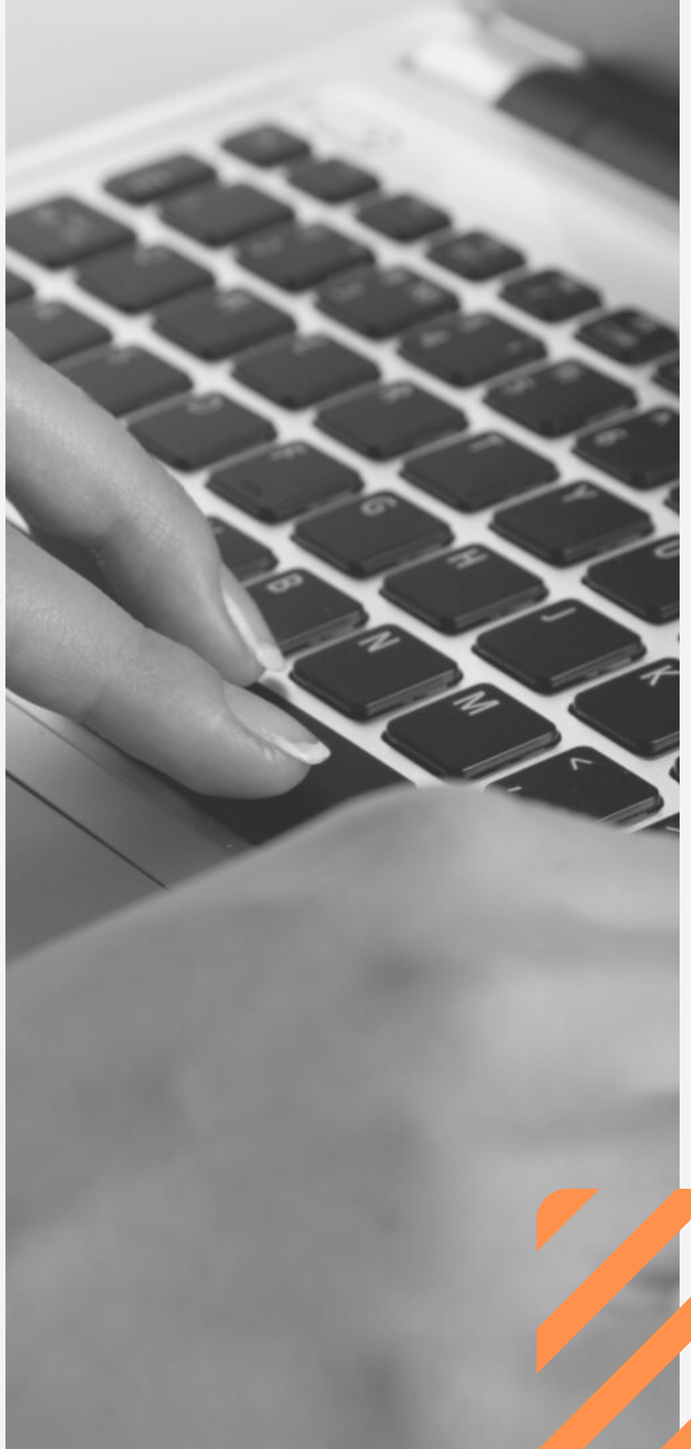
Client Demographics

What we know about our target market

Companies can increase human capital and brand recognition with achievements on Gitlit

Events can create collectable badge and promote events, such as Hackathons!

Schools can utilize Gitlit to boost student interest and make GitHub more accessible early on



OUR GOALS

INCREASE GITHUB USER BASE

EMPOWER USERS TO EXPLORE FEATURES

REMOVE BARRIER TO ENTRY

PROMOTE DAILY USE

LIVE DEMO

Click the play button to the left to view a live demonstration of our product -- developed in less than 24 hours!