

Final Project Proposal

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1 Goal

I plan to build a Twitter-like SNS website as my final project for CS 242. During the first three assignments for this course, I had worked on desktop GUI application with Java, backend server and spider with Python and a mobile application with Swift (iOS), so I want to get myself expose to more kinds of technologies by building a Twitter-like SNS website as a full-stack developer.

1.1 Description

My project will replicate the main features of Twitter including personal account and page, login and registration, posting personal messages and should support following the people users are interested in. And most importantly, my project should look like a real Twitter.

1.2 Technical information

I plan to use the following technology to build my project:

- Front End: HTML, CSS, JS, React
- Backend: Python, Django
- Database: MySQL
- Server: I will try to see if I can get to use a AWS server or I'll just use my own laptop

2 First Week

- Set up database, build models and tables for twitters, users
- Build backend api for login, support third party login
- Build backend api for registration
- Unit test

3 Second Week

- Build backend api for user follow/unfollow
- Build backend api for user to post a twitter
- Build backend api for user to like/repost
- Unit test

4 Third Week

- Build frond end page for login
- Build front end personal display
- Integrate the things above with the backend
- UI test

5 Fourth Week

- Build front end for follow/unfollow
- Build front end for like/repost
- Final Integration
- UI Polishing