CS 353 Spring 19 Project Topics

Company Interview and Employment Review Platform (i.e. Glassdoor)
In this project, you will implement a system that allows users review companies based on their employment and interview experiences. Users should be able to comment about their work experiences, share pros and cons of the company, their position and salary information, interview process etc. These posts may be anonymous if sharing user wants it to be. Users may follow companies they are interested in. Companies should be able to post job offerings, and submit requests to remove reviews about it. Admins will decide whether that post should be removed.

Online Technical Interview Preparation and Coding Platform (i.e. Leetcode)
You will design a system where users prepare for technical job interviews. There are users, editors and companies. Editors prepares both coding challenges, coding contests and non-coding questions. Users will try to solve challenges and answer questions. Companies also should be able to prepare a series of coding challenges and non-coding questions as a part of their interview process. Both challenges and questions should have categories such as dynamic programming and system design respectively.

Social Media for Hosting Events (i.e. Meetup)
In this project, you will design a system for people to host events for anybody having similar interests. There will be people, events, categories, cities, friends, groups, messages etc. Users should be able to create a specific event. Then, they can send invitations to their selected friends along with making the event public if desired. Events are specific to a particular location and time. People who joined the event should be able to be reviewed by event hosters.

National Judiciary Informatics System (i.e. Uyap)
In this project, you will implement a small fraction of national judiciary informatics system, which is solving cases that are suitable for reconciliation. You will have citizen as a suspect and/or as a victim, judge, lawyer, conciliator as user types. There will be courts with different types, categories for crimes, personal statement, evidence, cities etc. Any citizen can file a lawsuit for anyone through his/her lawyer in a particular court. Certain crimes can be handled with reconciliation between two parties. Each reconciliation case is assigned to a particular conciliator, who is responsible for making peace between two parties. At the end, judge gives the final decision.

Project Tracking Software (i.e. Jira & Trello)
You will design a system to track software development project. There will be boards, lists, cards etc. There will be two types of users: privileged and standard. Privileged users will have access
to more features, such as creating & deleting boards, adding & removing other users to cards etc. Users can be assigned to different teams. Teams will have their own boards.

**Art Sharing Platform (i.e. ArtStation and DeviantArt)**
You will design a system to view and share arts online. There will be two types of users: Admins, moderators and creators. Admins are responsible for adding art categories and managing the content when necessary. Moderators can flag creations and change their categories. Creators can create and share their art and view art created by others. Users can comment, fav on arts. Arts can be put into collections created by creators.