CS3300 Introduction to Software Engineering

Project 2 Description

Nimisha Roy ▸ nroy9@gatech.edu

Project Topic

Open Ended

Pick your own topic:

You need to justify that the topic is interesting, relevant to the course, and is of suitable difficulty
- Don't do a project very similar to project 1

Few examples of project topics from previous year submissions: Student-Tutor communication apps, personalized music apps, personalized movie recommender, event management app for GaTech events, ...

Technologies you are now familiar with

- Google Cloud

- Java Servlet

- REST Platform like Spring Boot

- Frontend development (js,html, css, …)

- Backend testing

- Debugging

- Working efficiently with IDEs, VCs

Technologies for Project 2

Anything you want. Can be web-based or android application.

Backend: Build up your expertise in Java/SpringBoot or go for Node.js/others
Frontend: Keep it simple or try something new. React/Angular
Database: Datastore/FireBase/MySQL/mongo
Testing: More points allotted to testing (blackbox/whitebox) in Project 2

Highly Recommended: to use Google Cloud services to deploy. Build on your cloud expertise. Big hit among employers.

Mandatory: GitHub

Bonus Points will be awarded to teams adopting interesting/difficult topics/technologies

Submission Deliverables & Announcements

- Project Progress Report (pdf submission) - 5% grade
  - Rubric same as Project 1 Progress Report Rubric
  - On the class website
- Project Presentation in class (with Demo) – 10% grade
- Project Report (GitHub Page Link)- 15% grade
- Project Codes (share your private GitHub repo) – 5% grade
- Project 2 Rubric will be uploaded on class website sometime this week for your reference
- Project 2 Touchpoint on 11/8 during class hours with your mentors
  - Ask questions about the feasibility, technologies, any other issues. Share your progress

Slide adapted from Alessandro Orso

GitHub

- Make sure to have your GitHub for this project
- Ensure it is private
- It is important for your future reference
- Add it to your resume
- GitHub page can be very compelling for employers

Presentation

- 8 Groups
- 2 days of presentation
- Each Team will have 15 minutes time
- + 2 minutes Q&A
- 4 Teams per day
- **Make sure to have a demo**

Project Report

- Explain All phases of Software Development in your project (Refer your assignments for details)
- Team Contributions
- Technologies
- Rubric will be up on the class website this week