

COSC 310 Team Agreement Contract

Anand, Apoorva Devarakonda, Arhaan Khaku, Murnal Mustapure

January 17, 2024

THIS TEAM AGREEMENT CONTRACT ("Contract") is executed on January 17, 2024, by and between the undersigned members of Team "Big Oh No," herein referred to collectively as "Team," for the purpose of formalizing the terms and conditions governing their collaborative efforts on the COSC 310 Project.

1. Project Overview

The Team, collectively and individually, hereby commits to the collaborative development for COSC 310 Project, with the overarching objective of delivering a robust solution compliant with the course requirements. The Team collectively decides the following mentioned preference order for the projects and lab sections

Project Preferences	Lab Preferences
e-Learning Platform	L12
Event Ticketing Platform	L08
Discord Clone	L11
IOT Sensor Monitor System	L06

The Team members confirm that it won't be possible for them to "collectively" attend any labs not mentioned above.

2. Team Name and Membership

The entity formed by this Contract shall be denominated as "Big Oh No," and the following individuals shall constitute its designated members:

- Anand (47018775)
- Apoorva Devarakonda (66647223)
- Arhaan Khaku (56085574)
- Murnal Mustapure (84358100)

3. Meeting Frequency

The Team agrees to convene in person at Lab 12 of COSC 310 at a frequency of no less than once a week. Virtual meetings may be convened at the discretion of the Team to discuss project progress, address concerns, and plan future tasks.

4. Communication

4.1 Email/Text Responsiveness

Each Team member pledges to maintain prompt and effective communication through email, Discord, and WhatsApp. Timely responses to electronic communications are imperative to facilitate seamless information exchange within the Team.

4.2 Collaboration Platforms

The Team shall employ Git for version control, an issue tracker for task management, and a systematic test strategy to uphold the quality standards of the codebase. Active and consistent participation of all Team members in these platforms is obligatory.

5. Responsibilities

5.1 Backend Development

Apoorva and Anand assume responsibility for the backend development of the project, encompassing server-side logic, database management, and API implementation. Additionally, the Backend Team commits to creating unit tests for the APIs they develop, utilizing pytest for unit testing.

5.2 Frontend Development

Mrunal and Arhaan are entrusted with the frontend development of the project, including the design of the user interface, user experience, and client-side functionality.

6. Technology Stack

The Team unanimously elects to adopt the following technologies for the project:

- **Frontend:**
 - ReactJS as the framework
 - TailwindCSS for styling
- **Backend:**
 - FastAPI for server-side development
 - MySQL for DBMS
 - SQLAlchemy to interact with the database
 - Alembic for database migrations

7. Code Review and Quality

Team members commit to the rigorous undertaking of regular code reviews to ensure the codebase's integrity, uniformity, and efficiency. Identified issues during the review process shall be addressed promptly.

8. Code Repository and Collaboration Workflow

The Team unanimously agrees to leverage GitHub repositories as the primary means for version control and collaboration. A meticulous workflow is to be adhered to:

- Generation of Git issues for designated tasks
- Association of issues with a dedicated branch
- Code push to the respective branch
- Initiation of a Pull Request (PR) for comprehensive code review
- Solicitation of code review from a minimum of two Team members prior to merging into the main branch

9. Project Timeline

The Team commits to strict adherence to the project timeline as prescribed by the course requirements. In instances where a Team member anticipates challenges in meeting deadlines, proactive communication to the Team is mandatory.

10. Conflict Resolution

In the event of disputes or disagreements, Team members shall diligently seek resolution through open and constructive communication, with escalation to the course instructor if necessary.

11. Open Source Licensing

The Team collectively agrees to release the project as open source under the MIT License. This license grants users the freedom to use, modify, and distribute the software, subject to the following conditions:

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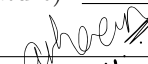

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12. Signatures

IN WITNESS WHEREOF, the undersigned Team members, having thoroughly perused and comprehended the terms herein set forth, hereby affix their respective signatures.

- Anand (Signature):  _____
- Apoorva Devarakonda (Signature):  _____
- Arhaan Khaku (Signature):  _____
- Mrunal Mustapure (Signature):  _____

This Team Agreement Contract is executed as of the date first above written and shall be binding upon the undersigned Team members.

URL for Github Organization <https://github.com/Big-Oh-No>

Frontend repo URL: <https://github.com/Big-Oh-No/BigOhNo-frontend>

Backend repo URL: <https://github.com/Big-Oh-No/BigOhNo-backend>

Scrum meetings folder URL: https://github.com/Big-Oh-No/BigOhNo-frontend/tree/main/Scrum_Meetings

Product Backlog and Sprint Backlog: <https://github.com/orgs/Big-Oh-No/projects/1>