University of Roehampton

Software Engineering

Sprint 1

Cyber Security – 2025

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Group Members

Avengers: The Code Edition

Hello, and Welcome to our Software Engineering Coursework – Sprint1.

We are excited to present our team, *Avengers: The Code Edition*. Our group consists of:

- Amanda Brazauskaite
- Anton Ivanov
- Oluwatosin Wasiu Jimoh
- Michaela Radostova

Project Description

Overview

Starting university can be a challenging transition for first-year students. Study Buddies is a collaborative web application designed to help students connect with peers for academic and social support. This platform aims to enhance the university experience and support students' academic success and personal growth by fostering collaboration, providing access to resources, and promoting peer mentorship. This project involves building a CRUD web application from scratch, incorporating modern technologies and project management practices to deliver a robust and user-friendly platform.

Goals

1. Develop a web application that connects students based on shared academic interests and study habits.

2. Facilitate the formation of study groups, enabling students to collaborate on their academic goals.

3. Introduce features like resource sharing, event scheduling, and mentorship opportunities to encourage teamwork and peer support.

4. Ensure the application is user-centred, secure, and accessible for students from diverse backgrounds.

Core Features

"Alone we can do so little; together we can do so much." – Helen Keller

Profile Creation

→ **Allow users to create profiles detailing their study interests, courses, and academic levels.**

Matchmaking

→ **Matching students based on their courses, interests, and study preferences to build connections.**

Messaging System

→ **Integrated chat feature for users to communicate directly with their matched buddies.**

Event Scheduling

→ **Provided an integrated calendar for organising study sessions, meetupsand events.**

Resource Sharing

→ **Users sharing study materials like notes, flashcards, and other resources directly with app.**

Group Study

→ **Provided functionality for creating virtual study groups for collaborative learning experiences.**

CRUD Functionality

→ **Allow users to create, read, update, and delete profiles, events, and resources within the platform.**

Code of Conduct

Overview

This code establishes the standards of behavior that must be met by all members. Where these standards are not met, appropriate disciplinary action will be taken. In cases where the breach involves serious misconduct, this may result in a group dismissal. In cases where a breach of the policy involves a breach of any law, then the relevant government authorities or the police may be notified.

Operation

The purpose of this policy is to clarify what is expected to happen whilst working in a group, and members must be familiar with and comply with the terms of this policy at all times. Failure to do so may result in disciplinary action, including potentially being kicked out from the group, depending on the severity of the misconduct.

Standards of Conduct

RESPECT and INCLUSIVITY

- Treat all team members with respect, regardless of their role, level, or background
- Encourage and value diverse perspectives and contributions.
- Avoid interrupting or dismissing others during discussions.
- Use inclusive and professional languages in all forms of communication

COLLABORATION and TEAMWORK

- Communicate openly and transparently with the team
- Offer help to team members who are facing challenges and be willing to ask for help when needed
- Share knowledge and resources to support team success

- **Work collaboratively to resolve conflicts or disagreements constructively**

ACCOUNTABILITY

- **Take ownership of your assigned tasks and deliverables**
- **Be punctual for standups, meetings, and deadlines**
- **Notify the team promptly if you encounter blockers or cannot complete a task on time**
- **Commit only to what you can realistically accomplish within the sprint**

QUALITY and INTEGRITY

- **Prioritize writing clean, maintainable, and well-documented (commented) code**
- **Adhere to best practices for testing and version control**
- **Ensure all code contributions meet agreed-upon standards and guidelines**

FOCUS ON THE GOAL

- **Align all activities with the sprint objectives and deliverables**
- **Avoid 'scope creep' by staying focused on agreed-upon tasks**

CONSTRUCTIVE FEEDBACK

- **Provide feedback that is specific, actionable, and kind**
- **Be open to receiving feedback and view it as an opportunity to grow**
- **Focus on the work rather than personal criticism**

CONFIDENTIALITY

- **Respect the confidentiality of any proprietary or sensitive information shared during the sprint**
- **Avoid discussing project details outside the team without proper authorization**

HEALTH and WELL-BEING

- **Acknowledge the importance of maintaining a healthy work-life balance**
- **Support team members in managing stress and workloads**
- **Encourage breaks and discourage overwork**

Clarification

Following the policies above will ensure that our group follows the best workflow and practices. However, added clarification will be needed:

- **If you have an issue with a part of the project and no one is available, you can post it on GitHub as an issue (or sub-issue if it is linked to the main issue) so that when a member is eventually active, they can swiftly respond.**
- **Linking to issue postage, unless it is an actual issue such as bug fixes or help on the part of the project, under no circumstance should you use issues as a form of social communication. There are other ways to communicate, such as WhatsApp and other communication applications, if you require more thorough explanations or to talk about different topics unrelated to the project. GitHub has its discussion functionality, enabling the use of having open-ended conversations and asking questions.**

User Stories

Profile

- As a student, I want to create a profile with my academic interests and courses to match with other students with similar study needs.

- As a student, I want to be able to log in and sign out my profile.

- As a student, I want to view the profiles of other students so that I can find potential study partners with similar interests.

- As a student, I want to update my profile to keep my academic interests and courses current.

- As a student, I want to delete my profile if I no longer need the app.

Matchmaking

- As a student, I want to find other students studying the same subjects to form effective study groups.

Messaging System

- As a student, I want to message my study buddies directly within the app to discuss our study plans and coordinate easily.

Event Scheduling

- As a student, I want to schedule or choose study sessions with my or other buddies to find times that work for everyone.

- As a student, I want to create study events to invite others to join me at specific times.

- As a student, I want to view available study events so that I can participate in them.

- As a student, I want to update the details of a study event to adjust its time or description.

- As a student, I want to cancel a study event if it's no longer necessary.

Ethical Consideration

Privacy and Data Protection

- Ensure users' personal and academic information is securely stored and only shared with explicit consent. Comply with data protection regulations such as GDPR.

Inclusivity and Accessibility

- Design the app to be accessible to all users, including those with disabilities, ensuring everyone can participate fully.

User Safety

- Implement measures to safeguard users from potential harm, including bullying or harassment within the platform.

Transparency

- Be clear about how data is used within the app and who can access it.

Bias and Fairness

- Ensure the matchmaking algorithm does not perpetuate biases based on academic ability, socio-economic status, or other discriminatory factors.

Meeting Record

Date and Time	**31/01/2025** **10:00 – 11:00**
Project Name	**Scholar's United (Study Buddies: Peer Support for Students Proposal)**
Meeting Goal	**Review/Agree on Code of Conduct** **Review on current Proposal** **Delegating the remaining tasks for Sprint 1**
Facilitator	**Michaela Radostova**
Note taker	**Amanda Brazauskaite**
Attendees	**Amanda Brazauskaite** **Michaela Radostova** **Oluwatosin WasiuJimoh** **Anton Ivanov was unable to attend for today's meeting.**

Roundtable Updates (each group member to contribute)	**Amanda Brazauskaite and Michaela Radostova worked together tocreate the Product Backlog and create a Kanban board in GitHub project. Oluwatosin Wasiu Jimoh created the Proposal and posted it on theGitHub so other members can begin to build unto.**
	Amanda Brazauskaite created the Code of Conduct and upon review, the rest of the members agreed that the Code of Conduct was acceptable.
Discussion points	**Our main discussion points were clarifying the required features we need in the Project and the structure of the Project (discussing about creating wireframes and what the Project is about to have a better understanding in what we need to create).**
Actions (list tasks and assign a group member)	**Amanda Brazauskaite: Add the Scaffolding files to GitHub and the README file is customised according to the project.** **All Team Members:** **At least one commit from every group member in the Project repository Each member of the team able to run the development environment using Docker** **Michaela Radostova: Will be in charge in assembling the PDF deliverable for Sprint 1.** **Anton Ivanov: Will create the branches for GitFlow workflow; includes 'master', 'develop' and 'release' branches.**