REPORT SP1

TEAM “LEXICON”

University of Roehampton
Module: Software Engineering
Assignment: Coursework 1. Sprint 1
Group name: Lexicon
Team Members:

1. **Bakhtiyor Sohibnazarov – SOH22590018**
2. **Zubair Yusuf – YUS23592590**
3. **Aboubacar Sylla - SYL23568693**
4. **Ismail Abdullahi – ABD23589297**

Contents

1. Overview

Group Name: Lexicon

Project Name: PeerRide

Project Description: PeerRide is a ride-sharing dynamic web application created to make college students' commutes more economical and efficient. By connecting students going in the same direction, the app allows them to carpool to campus, save money on transportation, and lessen their carbon footprint. Through the application, users may connect with neighbouring students, provide or request transportation, and securely communicate.

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2. Code of Conduct

2.1 Purpose

Our team is committed to fostering a **safe, inclusive, and collaborative environment** where every member can contribute effectively. We believe that respect, open communication, and teamwork are fundamental to the success of our **Software Engineering Group Project**.
We welcome participation from all members, regardless of:

- Background
- Family status
- Marital status
- Age
- Ability or disability
- Race and/or ethnicity
- National origin
- Socioeconomic status
- Religion or belief system
- Geographic location

Diversity strengthens our work. These guidelines exist to ensure that all team members can **interact, collaborate, and contribute in a supportive and professional manner**.

2.2 When and How This Code Applies

This Code of Conduct applies to all project-related activities, including but not limited to:

- **Team meetings** (in-person or virtual)
- **Online communication** (GitHub, email, messaging apps, discussion forums)
- **Project contributions** (code commits, documentation, reviews, discussions)
- **Collaborative spaces** (pair programming, stand-ups, group work sessions)
- **Class presentations and discussions** related to the project

2.3 Expected Behaviour

All team members are expected to:

Be Respectful

- Treat teammates with kindness and professionalism.
- Be open to feedback and differing perspectives.
- Address disagreements constructively and focus on problem-solving rather than personal criticism.
- Give credit where it is due and acknowledge the contributions of others.

Communicate Openly and Professionally

- Use clear, respectful, and inclusive language in all discussions.
- Ensure that feedback is constructive and aimed at improving the project.
- Actively listen and avoid interrupting others.
- If there is a conflict, approach the situation calmly and respectfully.

Be Inclusive

- Ensure everyone has a voice in discussions and decision-making.
- Support teammates who may have different communication styles or needs.
- Encourage participation from all team members, including those who may be less vocal.
- Accommodate different learning styles, time zones, and commitments where possible.

Take Responsibility

- Complete assigned tasks within the agreed deadlines.
- Keep the team informed of progress and any blockers.
- Ask for help when needed and offer support to teammates when possible.
- Use version control best practices to track changes and contributions properly.

2.4 Unacceptable Behaviour

The following behaviours are not acceptable and will not be tolerated:

Harassment and Discrimination

Harassment includes offensive comments related to **gender, disability, physical appearance, body size, race, religion, or other personal characteristics**. It also includes deliberate intimidation, stalking, sustained disruption of discussions, and unwelcome physical contact.

Personal Attacks and Toxic Behaviour

- Insults, threats, or personal attacks against other team members.
- Dismissing or belittling the contributions of others.
- Public or private harassment in any form.
- Repeatedly interrupting or talking over others.

Exclusionary Behaviour

- Deliberately excluding teammates from discussions or decision-making.
- Dismissing feedback without consideration.
- Making participation difficult for others through uncooperative behaviour.

Unethical Conduct

- Plagiarism or presenting someone else's work as your own.
- Failing to properly attribute contributions.
- Submitting misleading or falsified information.
- Violating academic integrity policies.

2.5 Collaboration and Technical Best Practices

To ensure smooth collaboration, we follow these principles:

GitHub Workflow and Version Control

- Use **GitFlow** for structured development.
- Make **frequent, meaningful commits** with clear commit messages.
- Use **pull requests** and peer reviews before merging code.
- Resolve merge conflicts respectfully and collaboratively.

Meetings and Decision-Making

- Attend all scheduled meetings or provide prior notice if unable to attend.
- Use structured agendas and take meeting notes.
- Strive for consensus when making decisions but respect the majority if necessary.
- Assign clear action points after each meeting.

2.6 Addressing Challenges and Resolving Disagreements

Conflicts may arise, and our goal is to resolve them in a fair and professional manner.

1. **Direct Resolution:** Discuss concerns openly and respectfully with the person involved.
2. **Team Discussion:** If needed, involve the whole team to find a fair resolution.
3. **Instructor Mediation:** If an issue remains unresolved, seek guidance from the lecturer.

Our focus is always on **finding solutions and maintaining a positive team environment**.

2.7 Academic Integrity and Ethical Conduct

We adhere to **university policies on academic integrity** and ensure that:

- All work submitted is **original** and properly cited.
- **Plagiarism, collusion, and academic misconduct** are avoided.
- If unsure about citation practices, team members should **ask for clarification** rather than risk misconduct.

2.8 Reporting Issues and Seeking Support

If a team member experiences or witnesses a **breach of this Code of Conduct**, they should:

- Speak privately with the individuals involved (if comfortable doing so).
- Bring the issue to the team for discussion and resolution.
- If needed, escalate the concern to the lecturer for support.

Reports will be handled with confidentiality and respect.

2.9 Continuous Improvement

This Code of Conduct is a living document. If any member identifies areas for improvement, they are encouraged to propose changes. Updates will be discussed and agreed upon as a team.

2.10 Agreement and Commitment

By participating in this project, each team member **agrees to uphold these principles** and contribute to a **respectful, professional, and effective** team environment.

3. Meeting Notes

Date and Time	04.02.2025
Project Name	PeerRide – A Ride Sharing app to university
Meeting Goal	• Agree code of conduct • Agree group name • Choose project • Assigning tasks
Facilitator	Bakhtiyor Sohibnazarov
Note taker	Ismail Abdullahi
Attendees	• Bakhtiyor Sohibnazarov • Zubair Yusuf • Aboubacar Sylla • Ismail Abdullahi
Roundtable Updates	• Discussion of use of GitHub and Git version control systems. • Discussion of running docker container.
Discussion points	• Git and GitHub will be used to track changes in the code. • Each Team Member will have their own branch in GitHub repository. Team Members should pull changes from master branch before merging.
Actions	• Bakhtiyor Sohibnazarov – Set Up GitHub Repository, Backlog, Kanban Boards, Code of Conduct and final pdf file for submission • Aboubacar Sylla – Review and upload scaffolding files • Ismail Abdullahi – Car Owner Side Persona • Zubair Yusuf – Student Side Persona

4. Personas

1.1 Client-Side Persona

Kristin Watson

AGE	20
EDUCATION	Bachelors in CS
STATUS	Single
OCCUPATION	Software Developer
LOCATION	London
TECH LITERATE	High

Bio

Se is a 20-year-old university student who commutes daily to campus. Public transport is unreliable, and ride-hailing services are expensive. She's looking for a reliable and cost-effective way to share rides with fellow students."

Core needs

- Find a reliable and affordable way to commute
- Prefer ride-sharing with trusted university students
- Wants easy scheduling for daily/weekly rides

Frustrations

- Public transport is often delayed or overcrowded
- Uber / taxis are too expensive for daily commutes
- Hard to find consistent ride options

> Affordable and safe way to share rides with fellow university students is always interesting

Brands

NASA, HUAWEI, facebook, YouTube, Instagram, BELLE

Personality

Introvert | Thinker

Payment medium

Cash/Cheque | Digital Payment

Platform

Website | Mobile App

Scenario

She has a 10am lecture every day, but her commute to university is a hassle. The local buses are overcrowded, and the train is frequently delayed. She decides to try a ride-sharing app designed for university students. After entering her departure location, destination, and preferred time, the app matches her with two other students who are heading to the university at the same time. She messages one of them directly through the app and confirms his ride.

On the ride day, she meets the driver (another student) at the agreed spot, and they head to campus together. The ride is smooth, and Kristin feels much safer than relying on public transport.

Carmilla Tepes

AGE	29
EDUCATION	MS in Clinical Neuroscience
STATUS	Single
OCCUPATION	Doctor
LOCATION	London
TECH LITERATE	High

Scenario

Carmilla has an early morning lab session at the university, followed by an evening part-time tutoring job across the city. She needs an affordable and efficient way to commute without spending excessive time waiting for buses or paying for expensive ride-hailing services. Ideally, she wants an app or service that connects her with other students for ride-sharing, making her commute more affordable and efficient.

Bio

Full-time master's student, Limited financial resources due to student budget, Lives in an urban area with access to public transport but finds it expensive and time-consuming

Core needs

- Save money and time on daily transportation
- Find reliable and safe commuting option
- Reduce her carbon footprint while traveling

Frustrations

- High cost of public transportation and ride-sharing services
- Inconvenient or unreliable public transport schedules
- Safety concerns with certain transport modes, especially at nigh

Wishes

- Affordable, student-friendly and safe transport solutions
- A seamless and efficient way to plan and optimize travel routes
- More eco-friendly transport alternatives

Payment

Digital Payment

Platform

Mobile App

Personality

Extrovert Saver

1.2 Organizer-Side Persona

Daniel Fischer

AGE	24
EDUCATION	BS in Mechanical Engineering
STATUS	Single
OCCUPATION	Engineer
LOCATION	London
TECH LITERATE	Medium

Bio

Full-time bachelors student, Limited financial resources due to student budget, Owns a car but finds fuel and parking costs high. Lives in a suburban area, with limited public transport options

Core needs

- Reduce the cost of daily commuting to university
- Find a reliable passenger to share fuel expenses
- Ensure a comfortable and predictable commute

Frustrations

- High fuel prices and parking costs
- Difficulty finding trustworthy and punctual ride-share companions
- Last Minute Cancellation on Public Transports

Scenario

Daniel starts his day early with an 8 AM lecture at the university, but driving alone every day is becoming expensive. To cut costs, he decides to offer a ride-share to fellow students traveling in the same direction. He posts his route and schedule in a university carpool group, hoping to find a reliable passengers who can share fuel costs.

Wishes

- A platform to easily connect with other students or staff needing a ride
- A way to schedule rides efficiently and avoid last-minute cancellations
- More incentives for carpooling, such as university parking benefits

Payment

Digital Payment

Platform

Mobile App

Personality

Extrovert | Saver | Tech-Savvy

5. Ethical Considerations

5.1 Privacy & Data Protection

Issue: Collecting and storing personal data must be done securely and with consent.

Solution:

Use encryption for sensitive data.

Implement GDPR-compliant privacy policies.

Allow users to delete their data upon request.

5.2 Safety & Security of Users

Issue: Users must feel safe when carpooling with strangers.

Solution:

User verification (e.g., university email sign-up).

Allow ratings and reviews for drivers and passengers.

Implement an SOS/emergency contact feature.

5.3 Fairness & Accessibility

Issue: Ensuring equal access for all students, including those with disabilities.

Solution:

Allow users to filter rides based on accessibility needs.

Ensure UI is accessible (clear fonts, etc.).

5.4 Preventing Discrimination & Harassment

Issue: Users may experience discrimination or harassment.

Solution: Implement a code of conduct and reporting system.

Have strict policies against discrimination.

6. External Project Links

1.1 GitHub Repository link

Lexicon: https://github.com/Baxa0104/Lexicon

1.2 Project Link

Project: https://github.com/users/Baxa0104/projects/1