AFTER ACTION REVIEW REPORT

Background:

1. **Team/Project Name**: Due-Date-is-The-Do-Date
2. **Project/Event Reviewed:** UniGo

3. **Date of Review:** 07/04/2023
4. **When review was completed:**
   a. **During project**
   b. **After Project completion**
5. **Participants**

Name	Job Title	Role in Team
Dr. Timothy Maciag	Mentor	Facilitator
Krupal Patel	Back-end developer	Developer
Yash Patel	Front end developer	Developer

6. **Please provide a summary of your project or event**

The University of Regina community, including students and faculty, faces challenges with their daily commutes, such as dependence on time-consuming public transportation, unreliability due to weather conditions, and long waiting times during Saskatchewan winters. To address these concerns, we propose the development of a web-based application that facilitates carpooling and ride-sharing among the university community. This not only lessens the carbon footprint but also allows the car owner to earn a small amount.

7. **What went well and why?**

(What were the successful steps taken towards achieving your objective?)

Successes	How to Ensure Success in the Future
Successful implementation of a user-friendly web app.	Research Progressive Web Apps (PWA) and use template-based designs for a seamless user experience across devices.
Efficient Signup & Login process using uregina.ca domain.	Continuously improve the Signup & Login process by incorporating user feedback and security best practices.
Creation of detailed Driver and User Profiles.	Enhance Driver and User Profiles with additional features and customization options.

Vehicle management functionality	Streamline the Vehicle management process and integrate new features as needed.
Algorithm-based mapping for optimized ride-matching.	Keep refining the algorithm-based mapping to improve ride-matching efficiency and reduce wait times.
Hosting on AWS for reliable performance and scalability.	Monitor AWS hosting performance and optimize resource usage to reduce costs and improve app responsiveness.
Launch of the web app on a dedicated domain.	Regularly update the web app on the domain and implement new features based on user feedback and market trends.
Comprehensive Trip History feature.	Expand the Trip History feature to include additional details, filters, and sorting options.
Responsive Contact Us page for user support.	Ensure prompt and effective customer support through the Contact Us page.
Thorough documentation of the project.	Maintain up-to-date documentation and version control to facilitate future development and maintenance.
Proper maintenance of the GitHub repository.	Encourage best practices in GitHub maintenance, including code reviews, branching strategies, and issue tracking.
Regular updates and maintenance of the Team wiki.	Keep the Team wiki updated with the latest project developments, meeting notes, and resources to ensure effective communication and collaboration among team members.

8. **What can be improved and how?**

   (What could have been done better? What can we do differently in similar situations in the future to ensure success? What would be your advice to future project teams?)

What can be improved	Recommendations
Project planning and execution	Establish clear project goals, milestones, and deadlines from the beginning. Adopt best practices in project management methodologies like Agile or Scrum to ensure timely delivery and adaptability to changes which was seen in this course. Future project teams should focus on effective communication, risk management, and resource allocation to ensure project success.
UI/UX design	Conduct user testing, gather feedback, and invest in continuous UI/UX enhancements to ensure a modern, visually appealing, and easy-to-use web app.

Performance optimization	Regularly monitor and analyze performance metrics, optimize backend processes, and frontend elements to reduce load times and ensure a smooth user experience.
Scalability	Plan for scalability from the start, choose a flexible architecture, and use cloud-based hosting solutions like AWS to accommodate the growing number of users and ensure reliability. Future project teams should focus on designing scalable systems that can handle increased traffic and feature enhancements without compromising performance. Hosting should be tested early during development as this can be time consuming.
Continuous updates and feature enhancements	Regularly review user feedback, industry trends, and competitor analysis to identify areas for improvement and innovation. Future project teams should establish a process for gathering user feedback and incorporating it into their development cycle, ensuring that the solution remains relevant and user-friendly.