

In Milestone 3, I played a significant role in our project by actively contributing to several key aspects. My contributions are outlined as follows:

**Activity Diagram Creation:** I designed and created a comprehensive activity diagram using Draw.io. This activity diagram visually represents the workflow for taxi fare prediction through the utilization of AWS services. It delineates how different components within our system interact and function, including the storage of input data in AWS S3, the machine learning model training process in AWS SageMaker, the handling of prediction requests by API Gateway, and system performance monitoring and activity logging by AWS CloudWatch.

**Understanding UML Diagrams:** I dedicated time to gain a deeper understanding of UML (Unified Modeling Language) diagrams and their purpose in system design and documentation. This knowledge was instrumental in my ability to create the activity diagram and effectively communicate the system's workflow to the team.

**System Component Analysis:** I conducted a meticulous analysis of the various components of our system and their interrelationships. Understanding the intricacies of how these components interacted was crucial for creating an accurate and informative activity diagram.

**Documentation Assistance:** I actively contributed to the preparation of our milestone 3 document. I specifically assisted in detailing the challenges we overcame during the project, ensuring that the document provides a comprehensive understanding of the architecture and the solutions implemented.

In conclusion, my contributions in Milestone 3 were centered around visualizing the system's workflow through the creation of the activity diagram, gaining a better understanding of UML diagrams, and aiding in the documentation of our project's architecture and challenges. These efforts were aimed at enhancing our team's collective knowledge and facilitating a smoother project development process.