**Robin Sah:**

Throughout the duration of the Airline Delay Prediction project, I explored deep into the intricacies of big data management, predictive analytics, and the importance of user-centric design. Now that the project has reached the system design phase, it enabled me to visualize the multifaceted interactions between the system, the end-user, and the administrative roles using the use-case diagram. This provided a clear depiction of the system functionalities, from searching airlines and viewing flight predictions to administrative tasks such as dataset management and updating the database.

Progressing to the Data Flow Diagram, I navigated the complex world of data movement across the system. This experience taught me the significance of seamless data integration, especially when dealing with large datasets. By detailing the flow from historical data sets through data ingestion and onto machine learning predictions, I grasped the essence of transforming raw data into actionable insights.

From this journey, I've learned the value of detailed planning, the importance of understanding user needs, and the role of data in driving decisions. The combination of use-case and data flow diagrams not only enhanced my technical skills but also elevated my ability to think critically and design systems that are both robust and user-friendly.

**Li Guan:**

In this project, I made the first half of Use Case UML, Data Flow UML and Sequence UMl. For the Use Case UML, I want the final project to be an application. So, it can provide the prediction back to users based on what users search. Data Flow UML shows how we use the old data and new data to predict airline delay. Sequence UML shows the when is the time that application will query the database for the cost effective concern.

What I learned from this project is how to draw UML with a specific software. For the Data Flow Diagram I use Lucid, but the sequence diagram is not free. So, I use StartUML for the sequence UML.