Action Plan

S	**Specific** I will lead my project team in developing a regression model to predict optimal pricing based on Go Auto's Dataset. I will ensure we meet the first project submission deliverables, including data set understanding, EDA, and defining the problem. I will contribute to building the team and project charters while maintaining Scrum methodologies.
M	**Measurable** • Ensure team and project charters are finalized and submitted • Complete Project Demo-1 deliverables on time. • Conduct and document Exploratory Data Analysis (EDA) on Go Auto's dataset. • Develop and present initial findings based on EDA results. • Track Scrum implementation through sprint planning, stand-ups, and retrospectives.
A	**Attainable** • Assign clear responsibilities to team members based on strengths. • Use Python, Pandas, and Seaborn for EDA and data visualization of the Go Auto's data set. • Set up and manage GitHub for my team's collaboration and version control. • Follow Scrum methodology with sprint cycles and structured check-ins. • Allocate specific hours per week to ensure progress on EDA and documentation.
R	**Relevant** • This aligns with the course goal of working in a team and contributing to a real-world data project. • It enhances my leadership, data analysis, and project management skills. • It provides me with hands-on experience with data analysis, regression modelling, and Agile practices, which are valuable for my career.
T	**Time-Bound** • Team and project charters will be completed before the first submission deadline • Project Demo-1 deliverables will be completed by the submission deadline. • EDA and dataset understanding will be completed by February 12. • Scrum implementation and GitHub collaboration will be ongoing throughout the project.

Action Plan

My goal is to successfully lead my project team in developing a vehicle pricing regression model, conduct EDA on Go Auto's dataset, complete Project Demo-1 deliverables, and ensure smooth team collaboration using Scrum and GitHub.

How Will I Measure My Success?	Task	Date to Finish
Finalized and approved by all team members	Team Charter	January 23, 2025
Completed and submitted with all required details.	Project Charter	January 30, 2025
• GitHub repo set up with README, project structure, and issue tracking. • Jira board is created with backlog and sprint planning.	Download & Setup Scrum & GitHub Implementation	Immediately
• Exploratory Data Analysis (EDA) is completed with visualizations and insights. • Documented findings shared in GitHub and discussed in meetings.	Dataset Understanding & EDA	Ongoing
• Submission includes dataset understanding, problem statement, EDA, and results. • Scrum & GitHub implementation visible through project tracking and commits.	Project Demo-1 Submission	February 13, 2025

Action Plan

Steps to Achieving my Goal

Description	Time Estimate	Completion date
Set up GitHub repository (create repo, project structure, and README)	2 Days	January 20, 2025
Set up Scrum in Jira (create board, define sprints, assign tasks)	2 Days	January 20, 2025
Complete Team Charter (define roles, responsibilities, and expectations)	4 Days	January 23, 2025
Complete Project Charter (define scope, objectives, deliverables)	4 Days	January 30, 2025
Understand Go Auto's dataset (data structure, key variables, missing values)	1 Week	January 30, 2025
Perform EDA on dataset (visualization, outlier detection, feature correlation)	3 weeks	February 12, 2025
Document and share EDA findings on GitHub	3 days	February 13, 2025
Refine problem statement based on dataset insights	1 day	February 12, 2025
Ensure all Scrum tasks are tracked in Jira (sprint updates, stand-up meetings)	Ongoing	Ongoing
Conduct peer review of team contributions on GitHub	Weekly	Ongoing
Finalize and submit Project Demo-1 (dataset understanding, EDA, results)	By Deadline	February 13, 2025

Obstacles that may arise	How I will respond
Data inconsistencies or missing values	Use data-cleaning techniques and consult teammates
Team coordination and workload management	Ensure clear role assignments and weekly check-ins
Difficulty in performing EDA effectively	Use Python libraries like Pandas, Matplotlib, and Seaborn
Resistance to Scrum adoption	Educate team on benefits and maintain structured meetings
Version control issues in GitHub	Provide guidance and share learning resources

Helpful Tools	Helpful Resources
Python (Pandas, Matplotlib, Seaborn), Jupyter Notebook, GitHub, Jira/Trello (for Scrum)	Online GitHub and Scrum tutorials, dataset documentation, course materials