

Project Management Plan

November 10, 2021

The Trello board is titled "Group 2 Capstone" and is organized into several columns, each representing a different stage of the project. The background image is a snowy mountain range.

- GitHub Deliverables**
 - README
 - Code folder
 - ProjectManagementPlan.pdf
 - ExploratoryQuestions.pdf
 - RepeatableETLReport.pdf
 - VisualizationsNapkinsAndFeedback.pdf
 - DashboardNapkinsAndFeedback.pdf
 - ProjectExecutiveSummary.pdf
 - CapstonePresentationScript.pdf
- Oct 28-Nov 1: Napkin Drawings**
 - Create visualization and Dashboard napkin drawing
 - Get feedback from 2 other people
 - Incorporate feedback
- Oct 28-Nov 1: Kafka & ETL**
 - Take notes during ETL process
 - Get and prepare data
 - Set up Producer stream
 - Set up Consumer
 - Send to Data Lake
 - Set up Data Factory from Data Lake to SQL
 - Build network diagram for pipeline
- Oct 28: Kickoff**
 - Set up GitHub repository
 - Create folder named "Project Specifications"
 - Write one-paragraph executive summary based on elevator pitch and 5-10 exploratory questions
 - Add summary and questions to ExecutiveSummary.pdf and upload to folder
 - Make changes to diagram and create a list detailing the process
 - Add diagram and list to Dashboard.pdf and upload to folder
 - Create annotated list of data sources
 - Add list to DataSources.pdf and upload to folder
 - Prepare and schedule a 5-10 minute conversation with the instructional staff
- Nov 2-10: Dashboard**
 - Determine whether to use Dash or PowerBI
 - Create Dashboard
- Nov 3-9: Machine Learning Algorithms**
 - Implement and tune algorithm
- Nov 9-10: Project Executive Summary**
 - Backstory and exploratory questions
 - Present research and tie to exploratory questions
 - Offer recommendations based off findings
 - Offer recommendations based off findings
 - Presentation dry run
- Nov 9-10: Presentation**
 - Introduce group and topic with proposed questions
 - Describe research and machine learning processes
 - Offer recommendations based off findings
 - Presentation dry run