

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID08214
Project Name	Retail Store Stock Inventory Analytics

Literature survey & information gathering	Collect the relevant use cases and refer to existing solutions.
Prepare empathy map	Prepare Empathy Map canvas and list of problem statements
Ideation	List the ideas by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance
Problem solution fit	Prepare problem - solution fit document & solution architecture
Problem solution fit	Preparing the new idea for our problem statement
Solution Architecture	Prepare Solution Architecture document
Customer journey	Prepare the customer journey maps to understand the user interactions & experiences with the application
Solution requirement	Prepare the Functional Requirement Document

Data flow diagrams	Prepare the Data Flow Diagrams
Technology architecture	Prepare Technology Architecture of the solution
Prepare Milestone & activity list	Prepare the Milestone & activity list of the project
Sprint Delivery Plan	Prepare the plan for all the sprints in the project
Project development – delivery of sprint – 1,2,3 & 4	Develop & submit the developed code by testing it

Milestones and Activities :

Milestones	Activities
Milestone - I	<ul style="list-style-type: none">• Understanding the dataset.• Loading the dataset onto IBM Cognos Analytics.
Milestone - II	<ul style="list-style-type: none">• Preparing the data.• Exploring the data.• Visualizing the data.
Milestones	Activities

Milestone - III	<ul style="list-style-type: none"> • Creating a login portal. • Creating an interactive Dashboard. • Monitoring user sessions and providing authentication.
Milestone - IV	<ul style="list-style-type: none"> • Managing the Stock Inventory. • Maintaining a clean UI to view stocks. • Providing a way to update stocks.
Milestone - V	<ul style="list-style-type: none"> • Monitoring Stock prices using visualization charts. • Maintaining a threshold to alert the system on understock or overstock.

Milestones	Activities
Milestone - VI	<ul style="list-style-type: none"> • Identifying prediction algorithms. • Selecting a suitable algorithm. • Stock Analysis Prediction on the most sold period or least sold period. • Ensuring clean and detailed visualization over a specific period of time.

Milestone - VII

- Ensuring proper alert when there is a understock/overstock situation.
- Ensuring proper alert when there is a huge difference in stock prices.