

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project - xxx
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Epic	User Story Number	User Story	Story Points	Priority	Team Members
1	Data Collection and Cleaning	1	Collect lending data	2	High	All
1	Data Collection and Cleaning	2	Clean and preprocess the data	3	High	All
1	Data Collection and Cleaning	3	Store data in suitable format	2	High	All

Sprint	Epic	User Story Number	User Story	Story Points	Priority	Team Members
1	Data Collection and Cleaning	4	Verify data accuracy	2	High	All
1	Data Exploration and Visualization	5	Create basic visualizations	3	High	Data Analysts and Visualization Expert
1	Data Exploration and Visualization	6	Identify key variables for analysis	2	High	Data Analysts and Visualization Expert
2	Lending Patterns Analysis	7	Analyze lending patterns over time	4	Medium	Data Analysts
2	Lending Patterns Analysis	8	Segment data by region and sector	3	Medium	Data Analysts
2	Default Analysis	9	Analyze default rates on loans	5	High	Data Analysts

Sprint	Epic	User Story Number	User Story	Story Points	Priority	Team Members
2	Default Analysis	10	Compare common characteristics of defaulting countries	3	High	Data Analysts
3	Geopolitical Clauses Analysis	11	Identify clauses related to military presence	3	Medium	Data Analysts and Visualization Expert
3	Geopolitical Clauses Analysis	12	Visualize where and how these clauses are applied	4	Medium	Data Analysts and Visualization Expert
3	Risk Assessment	13	Develop risk assessment models	5	High	Data Analysts and Data Scientist
3	Risk Assessment	14	Predict likelihood of a country falling into a debt trap	4	High	Data Analysts and Data Scientist

Sprint	Epic	User Story Number	User Story	Story Points	Priority	Team Members
4	Impact Assessment	15	Assess geopolitical and economic impact	3	Medium	Data Analysts and Domain Expert
4	Impact Assessment	16	Identify recommendations for stakeholders	2	Medium	Data Analysts and Domain Expert
4	Create Tableau Dashboards	17	Design interactive dashboards	5	High	Visualization Expert
4	Create Tableau Dashboards	18	Ensure user-friendliness and interactivity	4	High	Visualization Expert
4	Documentation and Reporting	19	Document data sources and cleaning processes	3	Medium	Data Analysts and Presentation Expert
4	Documentation and Reporting	20	Prepare a compelling	3	Medium	Data Analysts and

Sprint	Epic	User Story Number	User Story	Story Points	Priority	Team Members
			report for presentation			Presentation Expert

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Planned Start Date	Planned End Date	Story Points Completed (as of Planned End Date)	Actual Release Date
1	14	7 days	October 15, 2023	October 22, 2023	5	November 9, 2023

2	20	7 days	October 23, 2023	October 30, 2023	[Points Completed]	[Actual Release Date]
3	17	7 days	October 31, 2023	November 7, 2023	[Points Completed]	[Actual Release Date]
4	12	7 days	November 8, 2023	November 15, 2023	[Points Completed]	[Actual Release Date]

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$