

Project Planning Phase

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

Date: 14 June 2025

Team ID: Individual (Solo Project)

Project Name: Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis

Maximum Marks: 5 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Dashboard Setup	USN-1	As a user, I can view the main dashboard showing key indicators of Economic Freedom	3	High	Self
Sprint-1	Data Import & Preprocessing	USN-2	As a user, I can import and preprocess datasets for Economic Freedom and related indicators	2	High	Self
Sprint-1	Data Filtering Functionality	USN-3	As a user, I can apply filters to view data based on country, region, or	2	Medium	Self

			year			
Sprint-2	Index Calculation	USN-4	As a user, I can compute the Index of Economic Freedom using calculated fields	3	High	Self
Sprint-2	GDP Growth Integration	USN-5	As a user, I can integrate GDP growth as a comparative indicator on the dashboard	2	Medium	Self
Sprint-2	Visualizations Development	USN-6	As a user, I can view bar charts, maps, and trend graphs representing the Index and related metrics	4	High	Self
Sprint-3	User Interaction Enhancement	USN-7	As a user, I can interact with visualizations using hover tooltips and drill-downs	3	Medium	Self
Sprint-3	Report Export Feature	USN-8	As a user, I can export visualizations or insights as PDF or image files	2	Low	Self

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed	Sprint Release Date
Sprint-1	7	5 Days	14 June 2025	18 June 2025	7	18 June 2025
Sprint-2	9	5 Days	19 June 2025	23 June 2025	9	23 June 2025
Sprint-3	5	5 Days	24 June 2025	28 June 2025	5	28 June 2025

Velocity Calculation

Total Story Points: 21

Total Days: 15

Average Velocity = $21 / 15 = 1.4$ Story Points per Day

Burndown Chart

A simple burndown chart to track story points completion over sprint days will be prepared using project management tools or can be visualized in Excel.

Note: Since this is an individual project, all tasks are self-assigned. Adjustments to sprint duration or tasks can be made based on actual project progress.