

## Project Planning Phase

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

Date	21 October 2023
Team ID	NM2023TMID07560
Project Name	<b>Project - GlobeTrek Insights: Navigating Global Country Data With IBM Cognos</b>
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Access	USN-1	Develop a web portal for data access	5	High	Team member 1,2
Sprint-1	Data Access	USN-2	Implement data categorization by country	3	Medium	Team member 3
Sprint-1	Data Security	USN-3	Implement user authentication and authorization	5	High	Team member 3,4
Sprint-2	Reporting	USN-4	Develop a report authoring tool	8	High	Team member 3
Sprint-2	Reporting	USN-5	Enable users to define filters and aggregations	5	Medium	Team member 3,4
Sprint-3	Data Integration	USN-6	Develop connectors to external APIs	8	High	Team member 1
Sprint-3	Performance Optimization	USN-7	Implement query optimization techniques	5	High	Team member 1,2
Sprint-4	Performance Optimization	USN-8	Evaluate and enhance report rendering speed	3	Medium	Team member 2

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	2 Days	20 Oct 2023	22 Oct 2023	20	22 Oct 2023
Sprint-2	20	2 Days	20 Oct 2023	22 Oct 2023	20	22 Oct 2023
Sprint-3	20	2 Days	20 Oct 2023	22 Oct 2023	20	22 Oct 2023
Sprint-4	20	2 Days	20 Oct 2023	22 Oct 2023	20	22 Oct 2023

**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)

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