**Project Sprint Planning: QuickBite – Smart Food Recommendation and Delivery System**

**Overview**

This sprint document outlines the Agile planning, key Epics, User Stories, Story Points, and detailed velocity calculations for the development of QuickBite’s personalized food recommendation platform. The structure clarifies how work is divided, estimated, and tracked across two sprints, ensuring transparent progress and effective team management.

**Key Terminology**

* **Sprint:** A fixed period in which the team completes selected work items.
* **Epic:** A large body of work that can be broken down into smaller user stories.
* **Story:** The smallest unit of work, derived from user or feature requirements.
* **Story Point:** A numerical value estimating the relative effort needed to complete a story, often using Fibonacci numbers (1, 2, 3, 5).

**Sprint Breakdown**

**Sprint 1**

**Epics:**

* Data Collection
* Data Preparation

**User Stories & Story Points:**

|  |  |  |  |
| --- | --- | --- | --- |
| Epic | User Story | ID | Story Points |
| Data Collection | Gathering Data | USN1 | 2 |
|  | Loading Data | USN2 | 1 |
| Data Preparation | Handling Missing Values | USN3 | 3 |
|  | Creating Fields | USN4 | 3 |
|  | Handling Inconsistency in Data | USN5 | 3 |

**Total Story Points (Sprint 1):** 12

**Sprint 2**

**Epics:**

* Data Visualization
* Dashboard
* Story

**User Stories & Story Points:**

|  |  |  |  |
| --- | --- | --- | --- |
| Epic | User Story | ID | Story Points |
| Data Visualization | Bar Chart | USN6 | 2 |
|  | Pie Chart | USN7 | 2 |
|  | Line Chart | USN8 | 2 |
|  | Map | USN9 | 4 |
| Dashboard | Developing Dashboard | USN10 | 5 |
| Story | Developing Story | USN11 | 5 |

**Total Story Points (Sprint 2):** 20

**Velocity Calculation**

* **Total Story Points Completed:** 32 (12 from Sprint 1 + 20 from Sprint 2)
* **Number of Sprints:** 2

**Velocity**

**Summary Table**

|  |  |
| --- | --- |
| Sprint | Total Story Points |
| Sprint 1 | 12 |
| Sprint 2 | 20 |
| **Total** | 32 |
| **Velocity** | 16 |

**Notes**

* The team’s velocity is **16 story points per sprint**. This metric supports reliable sprint planning and forecasting for future iterations.
* Epics and user stories align with the QuickBite project’s focus on data management, visualization, and dashboard-driven user experience.

*This document ensures clear understanding and communication of sprint scope, work estimates, and delivery cadence for stakeholders and development teams alike.*

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