**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 15 February 2025 |
| Team ID |  |
| Project Name |  |
| Maximum Marks | 5 Marks |

Use the below template to create product backlog and sprint schedule **Here is a**project planning template**for your Butterfly Identification Project, filled in with relevant entries and formatted as per your sample. This includes the product backlog, sprint schedule, estimation, and project tracking tables.**

## 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming password. | 2 | High | [Names] |
| Sprint-1 | Registration | USN-2 | As a user, I will receive a confirmation email once I have registered for the application. | 1 | High | [Names] |
| Sprint-2 | Registration | USN-3 | As a user, I can register for the application through Google account. | 2 | Medium | [Names] |
| Sprint-2 | Registration | USN-4 | As a user, I can register for the application through Facebook. | 2 | Low | [Names] |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password. | 1 | High | [Names] |
| Sprint-1 | Species Identification | USN-6 | As a user, I can upload a butterfly image to identify its species. | 5 | High | [Names] |
| Sprint-2 | Species Identification | USN-7 | As a user, I can view identification results with species name and confidence score. | 2 | High | [Names] |
| Sprint-3 | Gallery | USN-8 | As a user, I can view a gallery of butterfly images submitted by the community. | 3 | Medium | [Names] |
| Sprint-3 | Exploration | USN-9 | As a user, I can browse butterfly species by region, color, or rarity. | 3 | Medium | [Names] |
| Sprint-4 | Admin Panel | USN-10 | As an admin, I can view user accounts and manage roles. | 2 | Medium | [Names] |
| Sprint-4 | Analytics | USN-11 | As an admin, I can monitor uploads, identifications, and traffic. | 2 | Low | [Names] |

## 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 | 9 | 6 Days | 16 Feb 2025 | 21 Feb 2025 | 9 | 21 Feb 2025 |
| Sprint-2 | 6 | 6 Days | 23 Feb 2025 | 28 Feb 2025 |  |  |
| Sprint-3 | 6 | 6 Days | 2 Mar 2025 | 7 Mar 2025 |  |  |
| Sprint-4 | 4 | 6 Days | 9 Mar 2025 | 14 Mar 2025 |  |  |

## Velocity

* Sprint Duration: 6 days
* Sprint-1 Velocity: 9 story points / 6 days = 1.5 story points per day

## Burndown Chart

* Track daily remaining story points for each sprint.
* X-axis: Sprint days (1–6)
* Y-axis: Remaining story points (start at sprint total, end at 0 if all completed)
* Update chart daily to visualize progress.

References for further templates and guidance:

* Atlassian Agile Project Management: [atlassian.com/agile/project-management](https://www.atlassian.com/agile/project-management)
* Visual Paradigm Scrum Burndown Chart: [visual-paradigm.com/scrum/scrum-burndown-chart/](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)
* Smartsheet Sprint Planning Templates: [smartsheet.com/content/sprint-planning-templates](https://www.smartsheet.com/content/sprint-planning-templates)