**Product Backlog, Sprint Schedule, and Estimation Table** for **Flight Finder**:

**✈️ Flight Finder – Product Backlog & Sprint Planning**

| **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 by entering my email, password, and confirming my password. | 2 | High | Frontend, Backend |
| Sprint-1 | Registration | USN-2 | As a user, I will receive a confirmation email once registered. | 1 | High | Backend, QA |
| Sprint-1 | Registration | USN-4 | As a user, I can register via Gmail. | 2 | Medium | Frontend, Backend |
| Sprint-1 | Login | USN-5 | As a user, I can log in with email and password. | 1 | High | Frontend, Backend |
| Sprint-2 | Registration | USN-3 | As a user, I can register via Facebook. | 2 | Low | Frontend |
| Sprint-2 | Dashboard | USN-6 | As a user, I can view dashboard with saved searches, alerts, and recommendations. | 3 | High | Frontend, Backend |
| Sprint-2 | Search Flights | USN-7 | As a user, I can search flights using filters like date, airline, and price. | 3 | High | Backend, QA |
| Sprint-2 | Alerts | USN-8 | As a user, I can set alerts for price drops on selected routes. | 4 | Medium | Backend, Notification |

**Project Tracker, Velocity & Burndown Table**

**✈️ Flight Finder – Project Tracker**

| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed** | **Sprint Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 19 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 18 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 16 | 19 Nov 2022 |

**Velocity Calculation**

* **Total Story Points Completed** = 20 + 19 + 18 + 16 = **73**
* **No. of Sprints** = 4
* **Velocity** = Total Points Completed / Number of Sprints = **73 / 4 = 18.25 story points/sprint**

**Burndown Rate**

Each sprint lasts **6 days**:

* **Average Story Points per Day** = 18.25 / 6 ≈ **3.04 story points/day**