**Project Planning Phase**

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

| Date | 6 March 2025 |
| --- | --- |
| Team ID | SWTID1741254344152117 |
| Project Name | FitFlex |
| Maximum Marks | 5 Marks |

| **Team members:** | **Register no:** | **ID no:** | **Team no:** |
| --- | --- | --- | --- |
| **Shreejith Kumar Das S (Team Leader)** | **212203921** | **22BCA51** | **Team 10** |
| **Sanjay K** | **212203914** | **22BCA12** | **Team 10** |
| **Hariharasudhan C** | **212203885** | **22BCA14** | **Team 10** |
| **Ranjith Kumar B** | **212203909** | **22BCA20** | **Team 10** |

**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 | UI Setup | USN-1 | Set up React.js project structure with necessary dependencies | 7 | High | Bhanu |
| Sprint-1 | Home Page & Navigation | USN-2 | Create a homepage where users can browse by body part or equipment | 7 | High | Bhanu |
| Sprint-1 | API Integration | USN-3 | Fetch exercise data from ExerciseDB API & display body parts | 6 | High | Bhanu |
| Sprint-2 | Exercise Listing | USN-4 | List exercises dynamically based on body part selection | 7 | High | Bhanu |
| Sprint-2 | Exercise Details Page | USN-5 | Create a detailed page for each selected exercise | 7 | High | Bhanu |
| Sprint-2 | Filtering Feature | USN-6 | Enable filtering of exercises based on equipment used | 6 | High | Bhanu |
| Sprint-3 | UI Enhancement | USN-7 | Improve UI/UX with React Icons and better styling | 10 | Medium | Bhanu |
| Sprint-3 | Error Handling | USN-8 | Implement error handling for failed API requests | 10 | Medium | Bhanu |
| Sprint-4 | Search Feature | USN-9 | Allow users to search exercises by keyword | 10 | High | Bhanu |
| Sprint-4 | Responsive Design | USN-10 | Ensure responsiveness for mobile & tablet views | 10 | Medium | Bhanu |

**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 | 6 Days | 1 Mar 2025 | 2 Mar 2025 | 20 | 2 Mar 2025 |
| Sprint-2 | 20 | 6 Days | 3 Mar 2025 | 4 Mar 2025 | 20 | 4 Mar 2025 |
| Sprint-3 | 20 | 6 Days | 5 Mar 2025 | 6 Mar 2025 | 20 | 6 Mar 2025 |
| Sprint-4 | 20 | 6 Days | 7 Mar 2025 | 8 Apr 2025 | 20 | 8 Apr 2025 |