

Project Planning Phase

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

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| Date | 8 March 2025 |
| Team ID | SWTID1741163598147771 |
| Project Name | FitFlex: Your Personal Fitness Companion |
| Maximum Marks | 5 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 | 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 |