Project Planning Phase

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

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| --- | --- |
| Date | 1st April 2025 |
| Team ID | SWTID1743512046 |
| Project Name | Tune Trail |
| Maximum Marks | 5 Marks |

Product Backlog, Sprint Schedule, and Estimation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint | Functional  Requirement (Epic) | User  Story  Number | User Story / Task | Story Points | Priority | Team Members |
| Sprint-1 | User  Registration | USN-1 | As a listener, I can register by entering email, password, and confirming password. | 2 | High | R.Devasish |
| Sprint-1 | Email  Verification | USN-2 | As a listener, I will receive a confirmation email after registration. | 1 | High | Aditya Kushwaha |
| Sprint-2 | Social Login (Facebook) | USN-3 | As a listener, I can register through Facebook. | 2 | Low | Priyanshu Tiwari |
| Sprint-1 | Social Login (Gmail) | USN-4 | As a listener, I can register through Gmail. | 2 | Medium | Aditya Kushwaha |
| Sprint-1 | Login | USN-5 | As a listener, I can log into the application with email and password. | 1 | High | R.Devasish |
| Sprint-2 | Music Search | USN-6 | As a listener, I can search for songs by genre, mood, artist, or popularity. | 3 | High | Priyanshu Tiwari |
| Sprint-2 | Playlist Creation | USN-7 | As a listener, I can create personalized playlists from searched songs. | 4 | High | R.Devasish |
| Sprint-3 | Playlist Sharing | USN-8 | As a curator, I can share my playlists with other users. | 2 | Medium | Aditya Kushwaha |
| Sprint-3 | Profile  Management | USN-9 | As a user, I can manage my profile details and view my playlists. | 3 | Medium | Priyanshu Tiwari |
| Sprint-4 | Admin  Dashboard | USN-10 | As an admin, I can view/manage users, curators, and playlists. | 5 | High | Rishabh Gupta |

# Project Tracker, Velocity & Burndown Chart

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 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 | 6 |  | 5 Days | 1April 2025 | 05 April  2025 |  | 4 | 05 April 2025 |
| Sprint-2 | 9 |  | 3 Days | 6 April 2025 | 08 April  2025 |  | 7 | 08 April 2025 |
| Sprint-3 | 5 |  | 3 Days | 9 April 2025 | 11 April  2025 |  | 3 | 11 April 2025 |
| Sprint-4 | 5 |  | 3 Days | 12 April 2025 | 14 April  2025 |  | 5 | 17 April  2025 |

**Team Member Roles and Responsibilities:**

**R.Devasish (Frontend Developer):**

* User interface design and implementation using React.js
* Responsive web design and CSS styling
* Form validation and user experience
* Component design and implementation
* Music player integration and playlist UI

**Priyanshu Tiwari (Backend Developer):**

* Primary responsibility for server-side development using Node.js and Express
* API development and integration
* Backend security and authentication
* Music streaming service integration
* RESTful API endpoints for playlist management

**Rishabh Gupta (Full Stack):**

* Cross-functional support for both frontend and backend tasks
* Authentication system implementation
* Integration testing between frontend and backend
* Music recommendation algorithms
* Social sharing functionality implementation

**Aditya Kushwaha (Database Architect):**

* Database design and implementation with MongoDB
* Data modeling for users, playlists, and music metadata
* Query optimization for music search
* Data security and access control
* Music metadata storage and retrieval optimization

Task Distribution by Sprint:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Team Member | Sprint 1  (Story  Points) | Sprint 2  (Story  Points) | Sprint 3  (Story  Points) | Sprint 4  (Story  Points) | Total Story Points |
| R.Devasish | 3 | 4 | 0 | 2 | 9 |
| Aditya Kushwaha | 3 | 0 | 3 | 3 | 9 |
| Priyanshu Tiwari | 0 | 5 | 3 | 1 | 9 |
| Rishabh Gupta | 0 | 0 | 2 | 5 | 7 |