

User Stories

Project Manager

Progress Monitoring

Front: As a project manager, I want to track the progress of each task and project to ensure everything is on track.

Back: Dashboard displaying project/task progress status, Task completion percentage, and Project budget analysis.

Performance Tracking & Analytics

Front: As a project manager, I want to be able to measure my team's performance to evaluate their work's effectiveness.

Back: Analytics and reporting dashboard, Ability to track individual and team productivity, Ability to monitor task completion rate

Team Communication

Front: As a project manager, I want to be able to communicate with my team members in real time so that we can collaborate more effectively.

Back: Chat feature for individual team members or groups, Ability to share files and media within chat, Notification system for new messages.

Time Monitoring

Front: As a project manager, I want to monitor how much time is spent on each task and project to ensure we stay within our timeline.

Back: Time tracking feature for each task and project, Automatic notification if a task is taking longer than expected, Time estimation feature for future assignments.

File Sharing

Front: As a project manager, I want to share files with my team members to collaborate more effectively.

Back: File sharing feature for each project and task, Ability to grant access to specific team members, Automatic notification if a new file is uploaded.

Intuitive UI/UX

Front: As a project manager, I want the tool to have an intuitive user interface so my team can easily navigate and use the features.

Back: Simple and easy-to-use interface, User-friendly menu and navigation system, Interactive and responsive design.

Scalability

Front: As a project manager, I want the tool to be scalable to grow with our business and accommodate our changing needs.

Back: Ability to add new team members and projects, Capacity to handle increasing amounts of data, Option to upgrade or customize the tool to add new features.

Performance

Front: As a project manager, I want the tool to respond quickly and handle concurrent requests so that we can work efficiently.

Back: High-speed processing, Ability to handle multiple users simultaneously, Option to customize settings for optimal performance.

Reliability

Front: As a project manager, I want the tool to be available and operational at all times with minimal downtime to complete our projects on time.

Back: Minimal downtime and scheduled maintenance, Automatic backup and data recovery, Proactive monitoring and support.

Compatibility

Front: As a project manager, I want the tool to work with various browsers and devices so that my team can use it regardless of their preferred platform.

Back: Cross-browser compatibility, Mobile responsiveness, Compatibility with different operating systems.

Accessibility

Front: As a project manager, I want the tool accessible to people with impairments and disabilities to create an inclusive work environment.

Back: Compatibility with assistive technologies, Keyboard navigation, shortcuts, Clear and accessible text, and design.

Localization

Front: As a project manager, I want the tool to support multiple languages and geographies to work with diverse clients and partners.

Back: Multi-language support, Localization for different regions, and Option to customize settings based on language or location.

Maintenance

Front: As a project manager, I want the tool to be maintained timely with regular updates so that it stays up-to-date and continues to function correctly.

Back: Regular updates and bug fixes, Proactive monitoring and support, Option to provide feedback and request features.

Customization

Front: As a project manager, I want the tool to adapt to the specific needs of my enterprise so that we can work efficiently and effectively.

Back: Option to customize features and settings, Ability to add new modules or functionality, Integration with other tools and platforms.

Team Member

Self Performance Tracking & Analytics

Front: As a team member, I want to see how my performance is tracked to understand how I can improve.

Back: Ability to view individual and team productivity metrics, see task completion rate and history, and Notifications for feedback from the project manager.

Team Communication

Front: As a team member, I want to communicate with my project manager and other team members in real-time to collaborate more effectively.

Back: Chat feature for individual team members or groups, Ability to share files and media within chat, Notification system for new messages.

Resource List & Management Functionality

Front: As a team member, I want to view the resources required for each project to understand what is needed to complete my work.

Back: Resource list view for each project and task, Ability to see the quantity and priority of each resource, Automatic notification if a resource is low or unavailable.

File Sharing

Front: As a team member, I want to be able to access and share files related to my tasks and projects to collaborate more effectively.

Back: File sharing feature for each project and task, Ability to request access to specific files, Automatic notification if a new file is uploaded.

Customization

Front: As a team member, I want the tool to be customizable so that I can tailor it to my specific needs and work efficiently.

Back: Ability to customize my dashboard and view, Option to customize task and project views, Ability to customize notification settings.

Business Owner (Admin)

Progress Monitoring

Front: As a business owner, I want to see the progress of each project and task to ensure everything is on track.

Back: Dashboard displaying project/task progress status, Task completion percentage, and Ability to view project budget analysis.

Performance Tracking & Analytics

Front: As a business owner, I want to see how my team performs to understand where we need to improve.

Back: Ability to view individual and team productivity metrics, Task completion rate and history, Notifications for feedback from clients or team members.

Scalability

Front: As a business owner, I want a project management tool that can handle my business needs as they grow so that I don't have to switch to a new device every time my business grows.

Back: Develop a platform that can accommodate many users, projects, and tasks without compromising performance. The tool should be able to scale with the growing demands of the business.

Security

Front: As a business owner, I want my project management tool to have strong security measures to protect sensitive information.

Back: Implement robust security measures such as encryption, secure logins, and access controls to ensure that only authorized personnel can access sensitive information.

Performance

Front: As a business owner, I want my project management tool to be fast and responsive to manage my projects efficiently.

Back: Optimize the tool's performance to minimize load times and handle concurrent requests. The device should meet user demand and provide a seamless user experience.

Reliability

Front: As a business owner, I want my project management tool to be always available so that my team can access it whenever needed.

Back: Ensure high availability and minimal downtime by implementing backup and recovery systems, load balancing, and other measures to maintain the tool's uptime.

Compatibility

Front: As a business owner, I want my project management tool to be compatible with various devices and web browsers so that my team can access it anywhere.

Back: Develop the tool to be cross-platform and cross-browser compatible so that users can access it from desktops, laptops, tablets, and mobile devices.

Accessibility

Front: As a business owner, I want my project management tool accessible to people with disabilities so that everyone on my team can use it.

Back: Implement accessibility features such as keyboard shortcuts, screen reader compatibility, and high contrast options to ensure that people with visual, auditory, or motor impairments can use the tool.

Localization

Front: As a business owner, I want my project management tool to support multiple languages and geographies so that my team can use it regardless of location or language.

Back: Develop the tool to support multiple languages and time zones, and allow users to choose their preferred language and time zone settings.

Maintenance

Front: As a business owner, I want my project management tool to be regularly updated and maintained to remain up-to-date and secure.

Back: Implement a regular maintenance schedule to keep the tool updated, fix any bugs, and implement new features as required.

Customization

Front: As a business owner, I want my project management tool to be customizable so that I can tailor it to my business's specific needs.

Back: Develop the tool to be customizable, allowing businesses to add or remove features and customize the interface to their liking.

Resource Manager

Resource List & Management Functionality

Front: As a resource manager, I want to manage the resources required for each project to ensure we have everything we need to complete our work.

Back: Resource list creation and management feature, Ability to set quantity and priority of each resource, Automatic notification if a resource is low or unavailable.

Team communication

Front: As a resource manager, I want to be able to communicate with project members so that resources can be allocated to project members.

Back: Chat feature for individual team members or groups, Ability to share resources which can be hardware or software.

Reliability

Front: As a resource manager, I want the same resources not allocated to multiple members simultaneously.

Back: reliable resource allocation; if one resource is allocated, then it is unavailable for other members

Product Backlog

User Management

- Ability to add, remove, and manage user accounts
- User roles and permissions management

Project Management

- Ability to create and manage projects
- Project timelines and milestones management
- Task management with assignment, priority, and due dates
- Project calendar view
- Integration with third-party project management tools

Progress Monitoring

- Real-time progress tracking of tasks and projects
- Ability to view project status and progress at a glance
- Project progress reports and analytics

Performance Tracking & Analytics

- User performance tracking
- Ability to generate user performance reports
- Integration with HR tools for performance tracking

Team Chat

- Instant messaging and chat functionality for teams
- Group chat channels for different projects and teams
- Integration with other team communication tools

Resource List & Management Functionality

- Resource management with allocation and availability tracking
- Ability to assign resources to projects and tasks
- Integration with third-party resource management tools

Time Monitoring

- Time tracking for individual tasks and projects
- Integration with timesheet management tools
- Ability to generate time-tracking reports

File Sharing

- Ability to upload and share files with team members
- Version control for files

- Integration with cloud storage services

Integration with Other Tools

- Integration with other project management and collaboration tools
- API access for custom integrations
- Integration with business intelligence tools for analytics

UI/UX Improvements

- Continuous improvement of UI/UX for ease of use and efficiency
- Regular user feedback and feature requests analysis
- Integration with user feedback and bug reporting tools

Sprints

Sprint 1 - (1 week) :

- **User management:** Implement user account creation, deletion, and management functionality. Add user roles and permissions management.
- **Project management:** Create and manage projects, and add task management functionality with assignment, priority, and due dates. Add project calendar view.

Sprint 2 - (2 weeks) :

- **Progress monitoring:** Implement real-time progress tracking of tasks and projects. Add the ability to view project status and progress at a glance. Add project progress reports and analytics.
- **Performance tracking & analytics:** Implement user performance tracking and the ability to generate user performance reports. Add integration with HR tools for performance tracking.
- **Time monitoring:** Implement time tracking for individual tasks and projects. Add integration with timesheet management tools. Add the ability to generate time-tracking reports.

Sprint 3 - (1 week) :

- **Resource list & management functionality:** Implement resource management with allocation and availability tracking. Add the ability to assign resources to projects and tasks. Add integration with third-party resource management tools.

Sprint 4 - (2 week) :

- **File sharing:** Implement the ability to upload and share files with team members. Add version control for files. Add integration with cloud storage services.
- **Team chat:** Implement instant messaging and chat functionality for teams. Add group chat channels for different projects and teams. Add integration with other team communication tools.

Sprint 5 - (1 week) :

- **Integration with other tools:** Implement integration with other project management and collaboration tools. Add API access for custom integrations. Add integration with business intelligence tools for analytics.
- **UI/UX improvements:** Work on continuously improving UI/UX for ease of use and efficiency. Analyze regular user feedback and feature requests. Add integration with user feedback and bug reporting tools.