

## **Group 19: Web Based Project management tool**

### **User Stories**

#### **User: 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.

## **User: 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.

## **User: 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.

## **User: Team Member**

### **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.