

DEVELOPER TRACK

TEAM:

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(AZURE DEVOPS)

PROBLEM STATEMENT IDENTIFIED:

"Struggling to find a suitable platform for centralized maintenance tracking of developers daily work assigned, spanning various levels of abstraction and user access through logins."

Monitoring the maintenance of developer's daily work data entails the development of a web platform utilizing HTML, CSS, and React JS, with deployment facilitated through the Azure cloud platform.

IMPLEMENTATION CONCEPT:

Tracking the daily work of developers is essential for ensuring their productivity, task completion, and efficient management of project workflows. By monitoring these activities, project managers and admins can promptly address issues, ensure timely progress, and maintain clear communication among team members. Our

platform provides a centralized system where admins can oversee the daily tasks of developers, track the status of assigned work, and ensure smooth project execution.

Our platform facilitates Two different user roles: **Admin, Developer**.

- **Developer:** Responsible for implementing necessary changes to both the frontend and backend of the websites. Developers log their daily work, track their task progress, and mark tasks as complete.
- **Admin:** Monitors all activities, tracks ongoing tasks, and observes the daily work of developers. The Admin can view detailed reports on task status, progress percentages, and overall project health. The Admin ensures that the workflow is on track and addresses any bottlenecks..
- **Admin Oversight:** Admins can log in to monitor the daily work of each developer. They can review the logged activities, track task completion, and ensure that projects stay on schedule.
- **Developers Post Work:** Developers log their daily activities, detailing the tasks they have worked on, progress made, and any issues encountered. This creates a transparent view of what each developer is working on, promoting accountability and better resource allocation

Benefits:

1. **Centralized Tracking:** Ensures all developer activities are tracked and monitored from a single platform.
2. **Improved Communication:** Facilitates clear communication between Coordinators, Team Leads, Developers, and Admins.
3. **Efficiency:** Streamlines the process of task delegation, daily work logging, and completion, improving overall productivity.
4. **Accountability:** Provides transparency and accountability for developers' daily work.
5. **Project Management:** Helps in maintaining clear oversight of ongoing tasks and project health, enabling timely intervention if needed.
6. **Higher Quality Outcomes:** By tracking maintenance activities and ensuring prompt resolution of issues, the platform helps maintain the quality and performance of websites.
7. **Scalability:** The platform can scale with the team's needs, accommodating more users, projects, and tasks as the organization grows.

The **Developer Track** platform serves as an intermediary between users, specifically coordinators and developers, facilitating communication and task delegation. Additionally, it tracks and monitors all changes made to these websites, providing regular updates on the progress and status of tasks to coordinators and admins. This ensures smooth and efficient operations while maintaining and organizing the data associated with each website.

