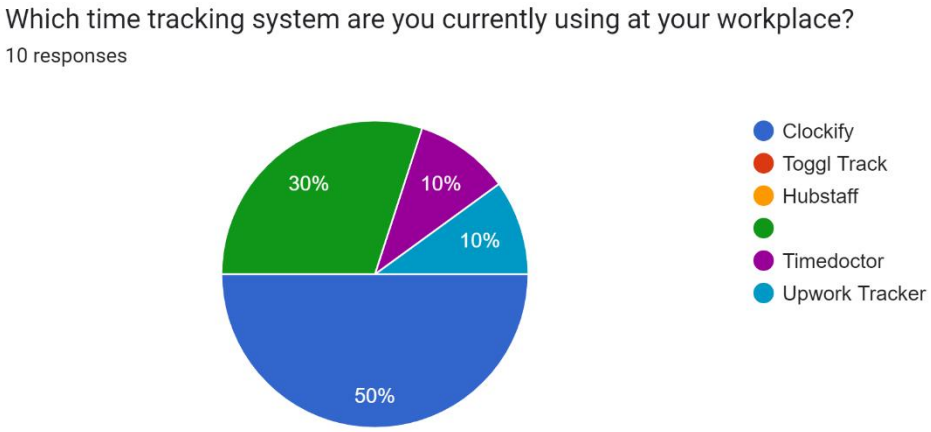
Data Analysis Report

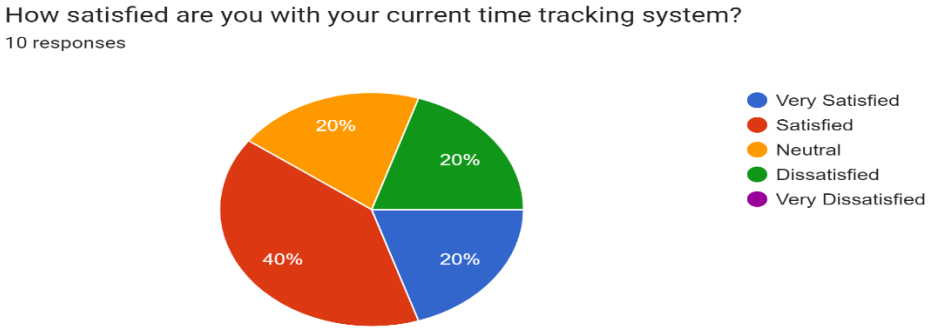
This section examines input from ten users of different time-tracking programs, including Clockify, Timedoctor, and Upwork Tracker. These insights not only assist identify common user experiences with existing systems, but they also provide useful suggestions for improving the time-tracking system built in this project. The study focuses on user satisfaction, system performance, and features that are consistent with the project's objectives.



4.1. User Satisfaction:

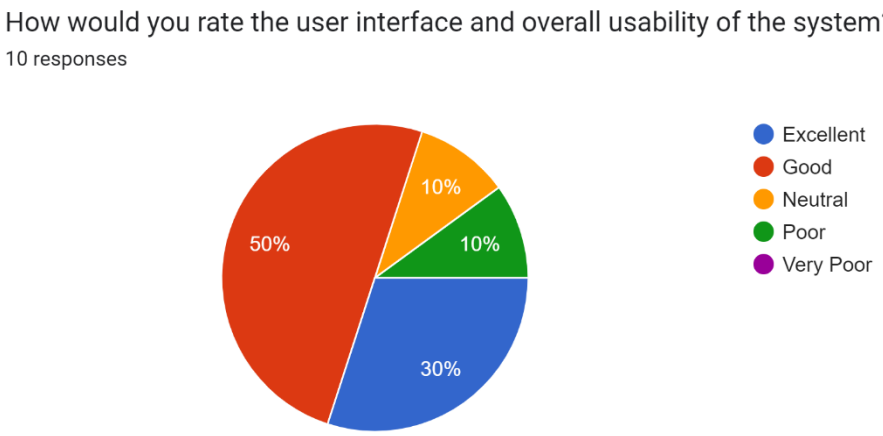
The poll found that most users are content with their current time-tracking systems, with an average satisfaction rating of content. However, other customers reported lukewarm or unfavourable experiences, particularly regarding system performance and mobile app functionality.

Relation to Project: The project intends to create a time-tracking system that promotes user happiness with an intuitive design and seamless functioning. By tackling typical pain points such as performance concerns and boosting mobile accessibility, our system can increase user happiness.



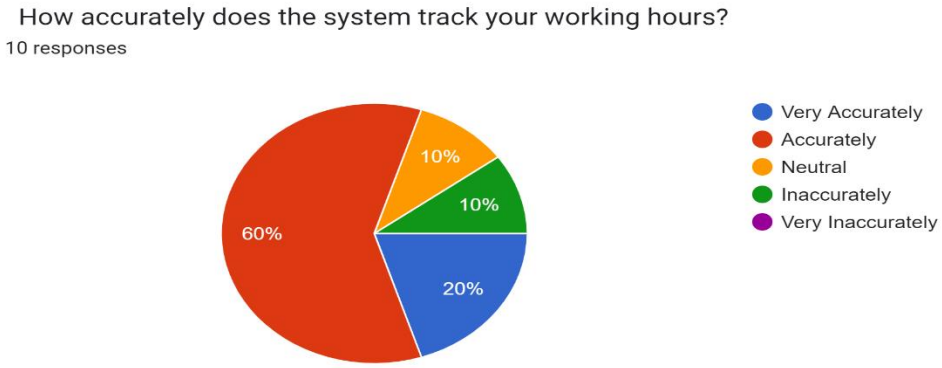
4.2. User Interface and Usability:
Most respondents rated the user interface as Good or Excellent, with a tiny percentage finding it deficient. These mixed assessments indicate that, while present systems may perform properly, they could benefit from design improvements.

Relation to Project: In this project, the React-based frontend focuses on providing a clean, user-friendly interface. By learning from the feedback of existing systems, we can improve the user interface so that it is both easy to traverse and visually appealing, hence reducing usability difficulties.



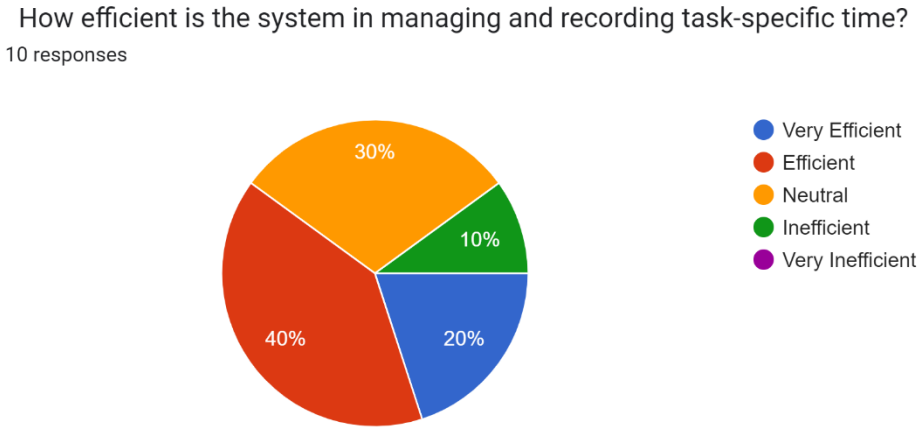
4.3. Accurate Time Tracking:
Most users (80%) said their present system records working hours accurately or very accurately. However, several users reported occasional inconsistencies.

Relation to Project: To address this, our project uses task-specific time tracking, which ensures that each time record is correctly associated with its job or project. This function ensures that users may rely on accurate recording of working hours, lowering the possibility of errors.



4.4. Efficient Task/Project Time Tracking:
Users largely praised the efficiency of task-specific time tracking, while some noticed difficulties when handling several projects.

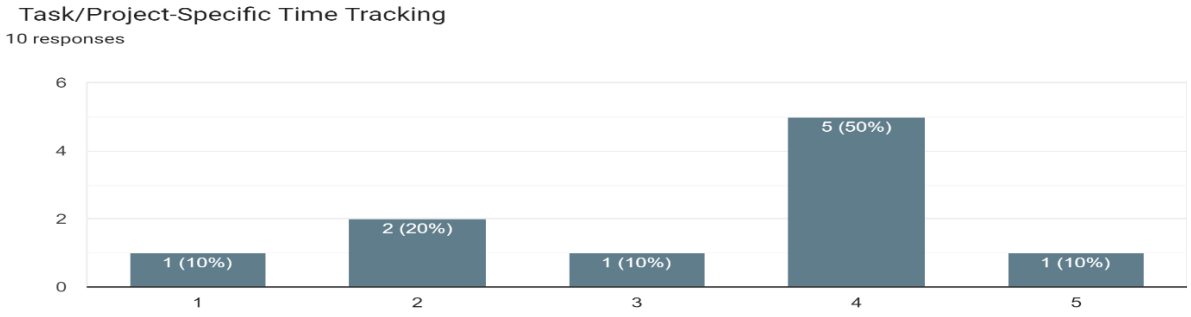
Relation to Project: The Project Management Service in this project is intended to efficiently manage multi-project job assignments. By allowing users to simply log time for individual projects and analyse their performance, the system ensures that many jobs can be managed with minimal friction.



4.5. Performance Enhancements:
The most requested enhancement was faster system performance, notably in report generation and system responsiveness.

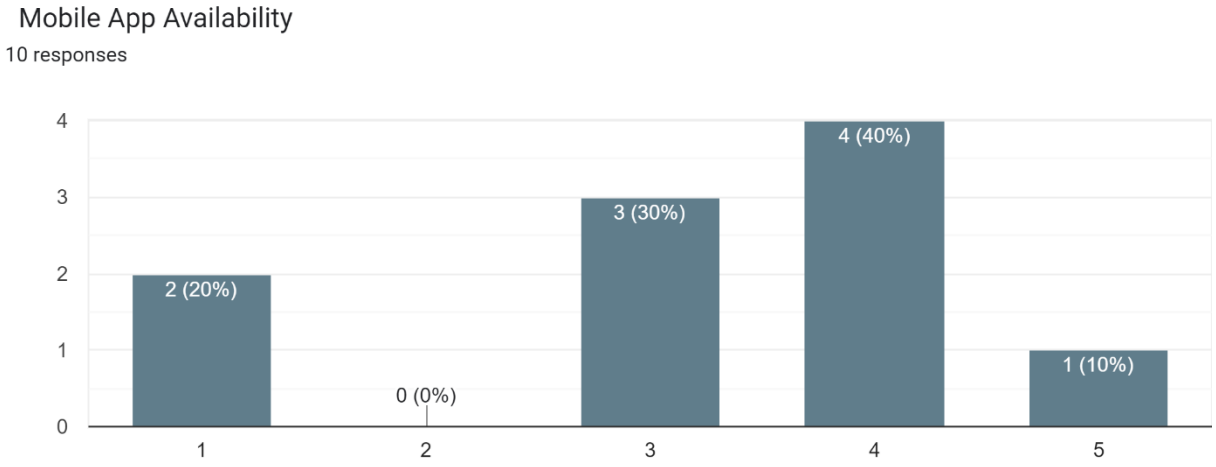
Relationship to Project: The initiative prioritizes performance optimization in important areas such as:

- Report generation involves using caching or data optimization strategies to improve loading times.
- System responsiveness: Using lightweight components and minimizing database queries to provide a seamless user experience.



4.6. Mobile App Features:
Several users pointed out that the mobile app features in existing time-tracking solutions are inadequate and might be improved.

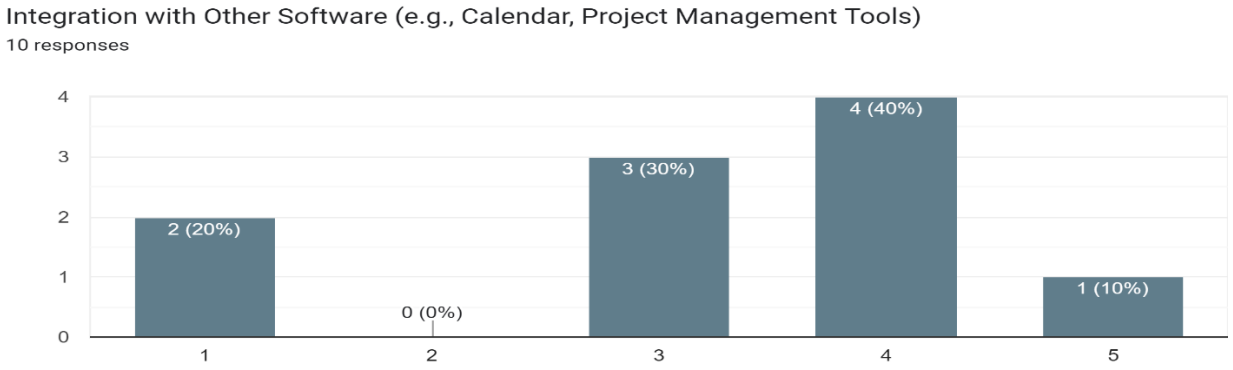
Relation to Project: To meet this demand, our project incorporates mobile accessibility as a fundamental component. By optimizing the system for mobile devices (via a flexible React frontend), users will be able to log time, manage projects, and create reports from their phones, allowing for remote or on-the-go work.



4.7. Customizable reports:

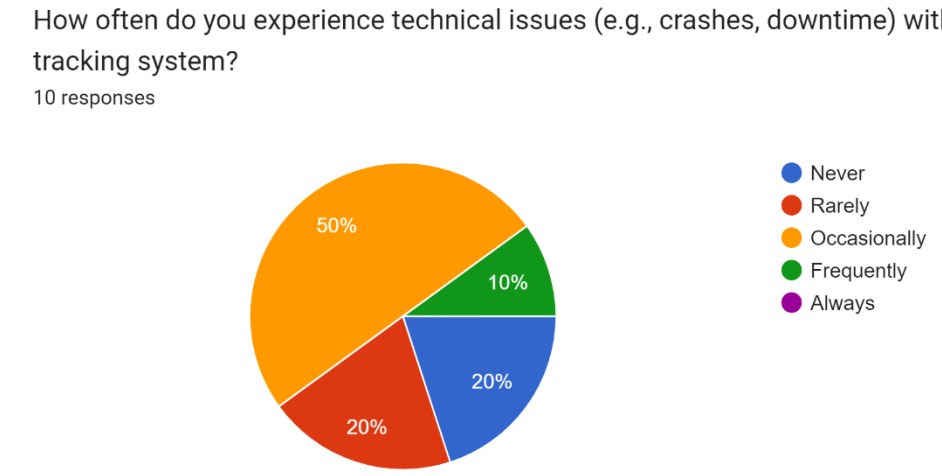
Many customers expressed a desire for customizable reports, pointing out that their existing systems offer little possibilities for personalizing reports to individual needs.

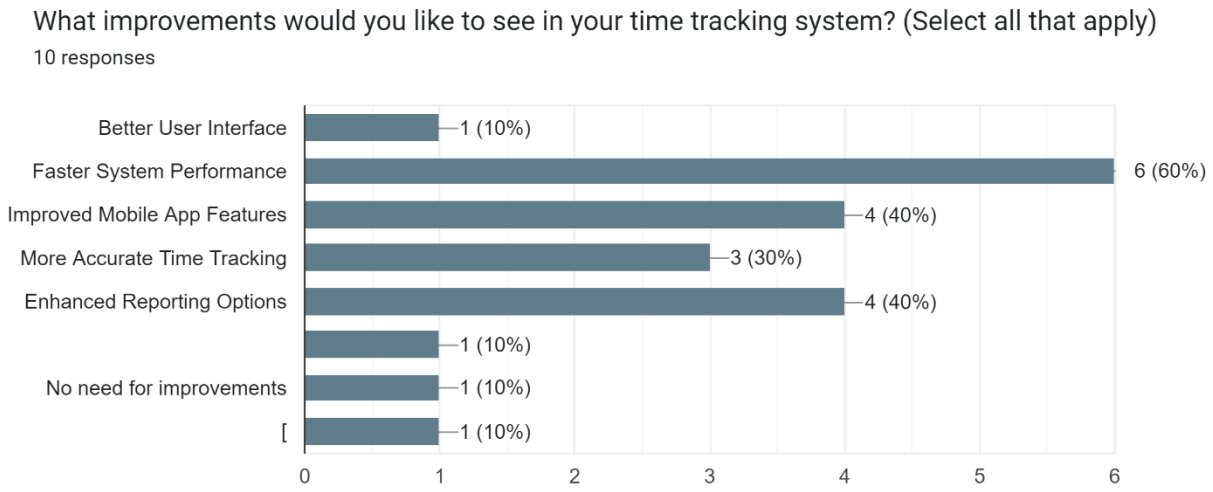
Relation to Project: This project's Reporting Service enables users to create rich, customisable reports based on project- or user-specific information. Our technology satisfies the demand for customizable reporting capabilities by allowing users to choose what data is included in reports.



4.8. Error Handling and System Stability:
Users were generally pleased with their system's capacity to manage faults, while some reported minor technical issues such as crashes or outages.

Relation to Project: The key priorities for this project are error handling and system stability. The system is designed to minimize downtime and effectively fix mistakes (such as inaccurate time entries) by incorporating comprehensive error tracking and recovery procedures.





5. Key Findings for the Project:

Several critical insights derived from user input can be used to improve our project:

- Prioritize Performance: Speed enhancements, particularly for report production and overall system responsiveness, will be a primary focus.
- Improve Mobile Features: Ensuring that the system is fully functional and user-friendly on mobile devices is vital to user happiness.
- Provide Customizable Reports: Implementing flexible, customizable reports will address a common user requirement while also adding value to the system.
- Improve Usability: An intuitive user interface, paired with effective time monitoring, will result in a smoother user experience.

6. Conclusion:

By focusing on performance, mobile accessibility, and customized reporting, the system built in this project will match user expectations while solving common flaws in existing solutions.

Appendix A

User Feedback Survey:

The user feedback for this report was collected through an online survey. You can view the original Google Form used to gather responses via the following link:

Link:

https://docs.google.com/spreadsheets/d/1ffIf8sLDdPvA2zfj4a1Vx1_D1CwbduJkQQzErZaorXU/edit?usp=sharing