**App Requirements**

**Functional Requirements:**

User Authentication and Authorization:

Users should be able to register a new account and log in to the account securely.

There should be a forgot password option in case a user forgets their password

And the password will be recovered via email verification or security questions.

Dashboard:

There should be an intuitive dashboard that displays all relevant information such as tracked time, projects, categories, and tasks.

There should be an option for customization for users to change the look and feel of the dashboard according to their preferences.

Time Tracking:

Users can enter timesheet entries specifying the date, time.

Users should be able to start, stop, pause, and edit time entries.

There should be an option for users to manually enter time or use a timer.

Users should have the ability to assign time entries to specific projects, tasks, categories or clients.

Project and Task Management:

Users should have the ability to create, edit, and delete projects and tasks.

Users should have the ability to assign tasks to project members with deadlines and priorities.

There should be a link between tracking time spent on each task and project.

Reporting and Analytics:

There should be reporting and analytics features for users to generate detailed reports on time tracked, projects, tasks, and clients.

The features should be extensive allowing different types of reports such as timesheets and project summaries.

There should be visualisation of data through charts and graphs.

Integration:

There should be Integration capabilities with third-party tools such as project management software, calendar apps, and payment gateways.

Notifications:

There should be a notification system in place for reminders, overdue tasks, and approaching deadlines, using in-app and email notifications.

Settings:

There should be personalization options such as language, time zone, date format, and theme.

Gamification:

There should be gamification elements such as badges or rewards for meeting or exceeding goals.

Users can track their progress over time, unlocking achievements as they reach milestones and complete tasks way before due time.

**Non-Functional Requirements:**

Security:

There should be Encryption for sensitive data such as user credentials.

There should be access control to prevent unauthorised access.

Performance:

The application should be fast with a responsive interface for a smooth experience.

Reliability:

The application should have high availability with minimal downtime.

Data should be backed up regularly to prevent data loss.

Usability:

The Intuitive user interface should be user-friendly and easy to navigate minimising the hassle of learning to use the application.

Compatibility:

The application should have full android compatibility.

The application user interface design should be made for optimal viewing on different android screen sizes.

Scalability:

The application should be designed in a scalable manner to handle future user base growth and increased data volume.

The overall architecture of the application should be able to accommodate future enhancements and integrations.