

# Software Functionality

## Introduction

The ADHD Task Manager is a specialized mobile application designed to assist individuals with ADHD in managing their time and tasks more effectively. This application provides a plethora of features like a customizable task list, a Pomodoro timer, habit tracker, rewards system, and insightful analytics to help users achieve their goals in a structured manner.

## Application Functionality

### User Authentication

To personalize the experience and ensure the security of your data, the application requires users to log in with their unique credentials. The system verifies the entered username and password against the stored credentials in the database.

### Task Management

The primary function of the app is to create and manage tasks. Each task has a title, description, scheduled date and time, and an associated Pomodoro timer. Tasks can be added, edited, and deleted as per the user's requirements.

### Notifications

When a date and time is close to being achieved within the app, the application sends a notification to the user. This can either be sent locally or remotely using Firebase.

### Rewards System

A gamified reward system is in place to keep users motivated. On completing a task, users earn points which get added to their name on a leaderboard stored in Firebase.

### Data Management

Data is stored locally on the device for swift and offline access. For data security and sync, data is also stored externally in Firebase.

### . External Services

The application integrates external services and APIs for additional functionality like calendar synchronization and push notifications.