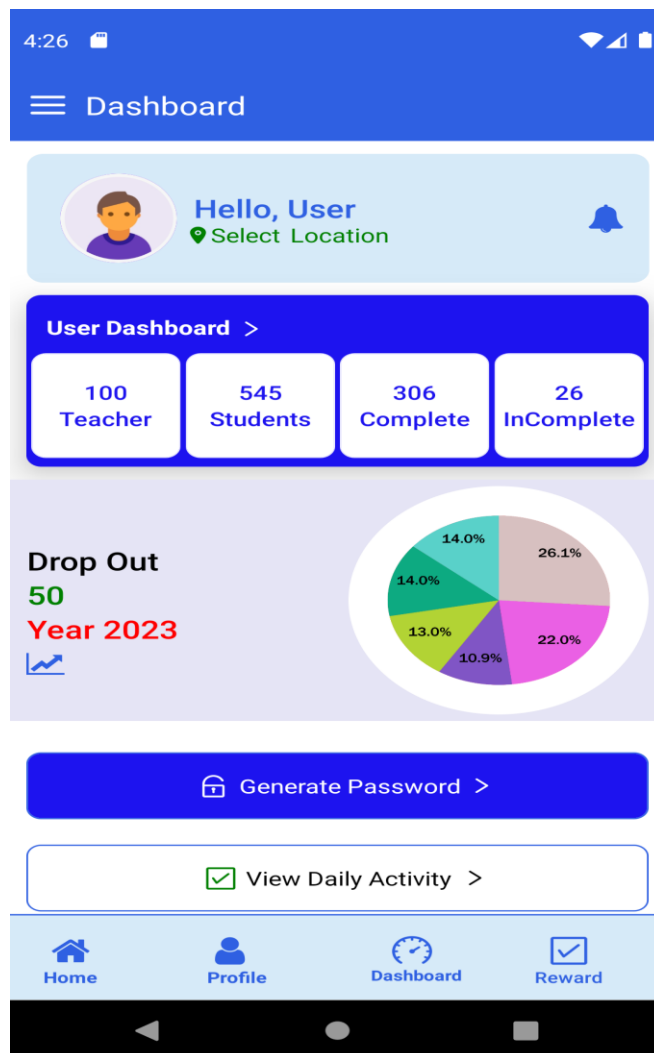
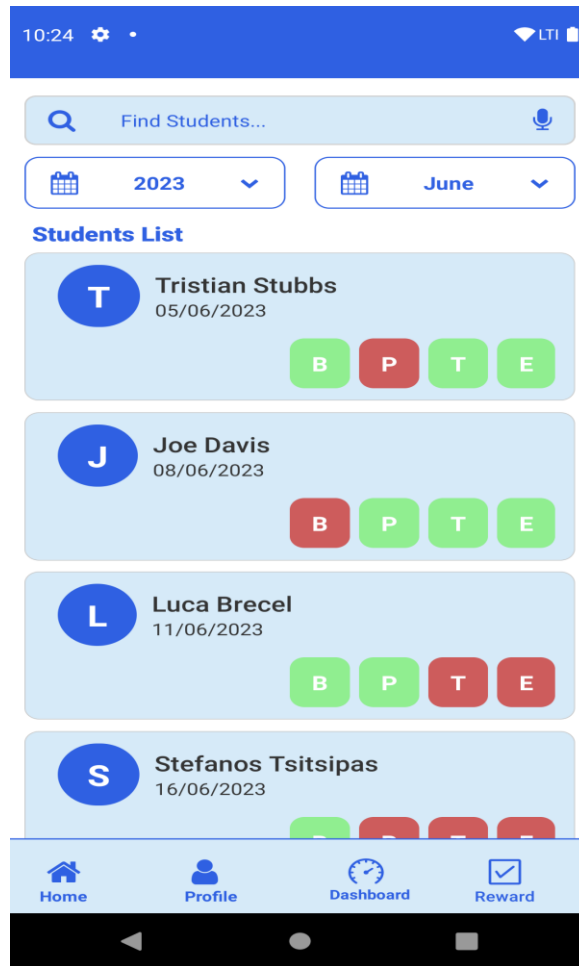


# Teacher Tracking App

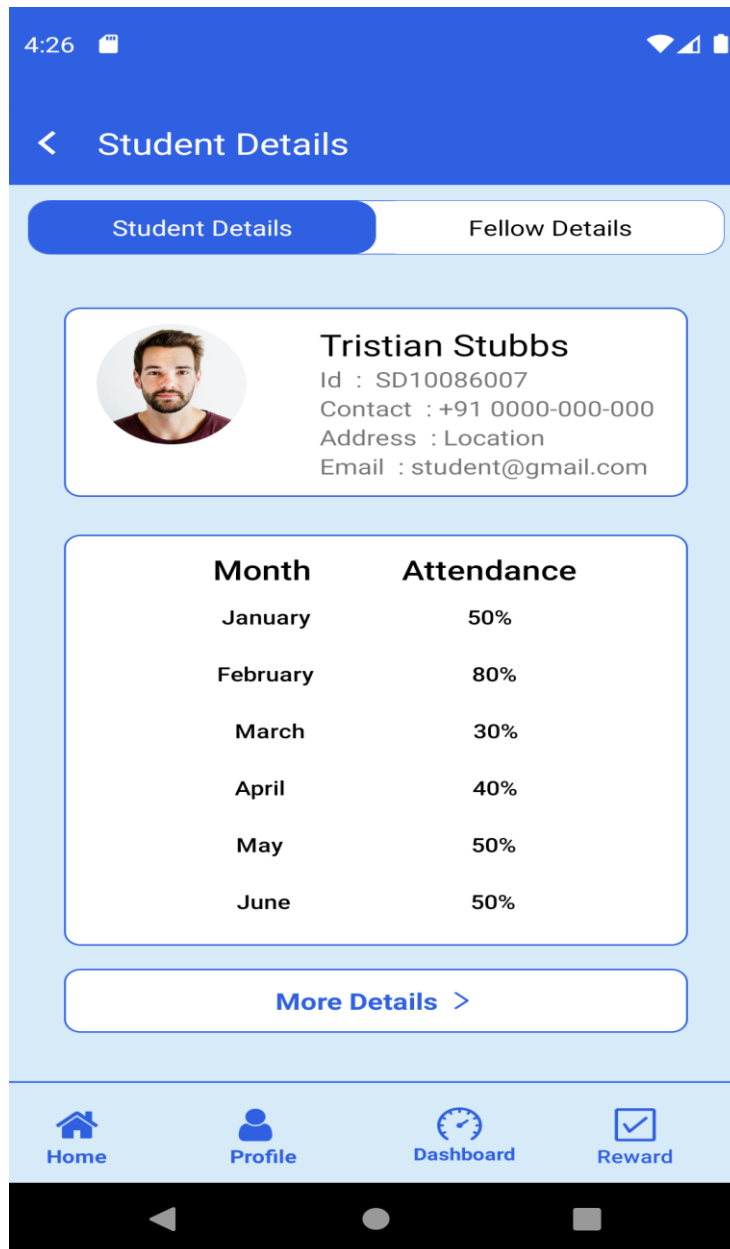
This app, built using React Native with Redux and a REST API, is designed to track teachers and their students based on a shared passcode. It provides various features to manage and monitor the performance of students and teachers. Here's a brief description of the app's functionalities:



1. **Teacher-Student Tracking:** The app allows teachers and students to be linked together using a common passcode. Teachers can create their profiles and generate unique passcodes for their students to join their classes.



2. **Student Performance Monitoring:** Once students join a teacher's class, the app records and tracks their performance. It collects data on students' assignments, quizzes, tests, and other relevant metrics. This information enables teachers to evaluate individual student progress over time.
3. **Performance Analysis:** The app provides analytics tools to analyze student performance. Teachers can view overall class performance, identify areas where students are excelling or struggling, and generate reports on student progress. This feature helps teachers gain insights into their teaching methods and make informed decisions for improvement.



4. **Teacher Performance Assessment:** The app also evaluates and assesses the performance of teachers based on their student's achievements. It calculates metrics such as average student scores, student retention rate, and overall class performance. This functionality enables administrators or school management to identify and recognize outstanding teachers.
5. **Data Management:** The app offers a comprehensive interface to manage teacher and student data. Teachers can update their profiles, add new students, and modify

existing student details. The app securely stores and organizes this information for easy access and retrieval.

6. **Authentication and Security:** The app incorporates authentication mechanisms to ensure data privacy and security. Teachers and students must log in using their credentials, and the API enforces strict security measures to safeguard user information.

This app provides a centralized platform for teachers and students to track performance, monitor progress, and manage data efficiently. It aims to enhance the educational experience by facilitating effective communication and data-driven decision-making.