

# TutorKey-An Online Private Tutor Finder App

## Abstract

TutorKey is an innovative digital platform designed to transform the way students and parents connect with private tutors. Built using the Flutter framework for cross-platform development, the system provides a seamless and efficient means of discovering, connecting with, and booking private tutors across a wide range of subjects and skills.

The primary objective of TutorKey is to improve educational accessibility, support personalized learning, and simplify the tutor-student matching process. With an intuitive user interface, the platform allows users to search for tutors based on specific criteria such as subject expertise and availability. Key features include tutor profile management, session booking with real-time slot availability, and a user-friendly experience for both students and tutors.

Tutors can create detailed profiles, including their name, contact details, qualifications, experience, and hourly tuition fees. They can manage their schedules by selecting availability slots and highlight their subject expertise through an interactive interface. Tutees, on the other hand, can browse tutors by subject, view detailed profiles, and book slots for the current day in real time.

The platform's backend is powered by Firebase Firestore, providing real-time data synchronization and a scalable database structure. Firebase Authentication is used to enable secure and efficient user registration and login, ensuring data integrity and privacy for both tutors and tutees. TutorKey is developed using Flutter, ensuring consistent performance and a seamless user experience across both Android and iOS devices.

This project aims to enhance the process of finding and booking private tutors, providing an accessible, efficient, and user-focused educational platform that adapts to the needs of students and tutors alike.

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