

Dr U Education Mobile App



A React Native mobile application for parents to track their children's educational progress at Dr U Education.

Features

- **Secure Authentication** - Firebase-based login with email verification
- **Multi-Student Support** - Manage multiple children from a single account
- **Performance Tracking** - View test scores and attendance with visual indicators
- **Class Management** - Browse enrolled classes and view detailed information
- **Messaging** - Communicate with teachers directly through the app
- **Push Notifications** - Stay updated with real-time notifications
- **Subscription Management** - View and manage subscription status

Tech Stack

- **Framework:** React Native with Expo
- **Navigation:** Expo Router (file-based routing)
- **Backend:** NestJS API on Vercel
- **Database:** Firebase Firestore
- **Authentication:** Firebase Auth
- **Notifications:** Expo Notifications

Getting Started

Prerequisites

- Node.js 18+
- npm or yarn
- Expo Go app (for testing on physical device)

Installation

1. Clone the repository

```
git clone https://github.com/Adeepak2/dru-edu-mob.git  
cd dru-edu-mob
```

2. Install dependencies

```
npm install
```

3. Create environment file

```
cp .env.example .env
```

Fill in your Firebase and API credentials.

4. Start the development server

```
npx expo start
```

5. Scan the QR code with Expo Go (Android) or Camera app (iOS)

Project Structure

```
└── app/
    ├── (auth)/          # Screen routes (file-based routing)
    ├── (tabs)/          # Authentication screens
    ├── chat/            # Main tab navigation
    ├── class/           # Chat screens
    ├── test/             # Class detail screens
    └── test/             # Test screens
    └── components/
        ├── home/          # Reusable UI components
        ├── ui/              # Home screen components
        └── ui/              # Generic UI components
    └── src/
        ├── config/         # API configuration
        ├── contexts/        # React contexts (Auth, Student, Notification)
        ├── services/         # API services
        └── utils/            # Utility functions
    └── assets/            # Images and static assets
```

Building for Production

Android APK

```
eas build --platform android --profile production --local
```

CI/CD

The project includes GitHub Actions workflow for automated builds:

- Pushes to `main` branch trigger Android APK builds
- Releases are automatically created with the APK attached

Required GitHub Secrets:

- **EXPO_TOKEN** - Your Expo access token

Environment Variables

```
EXPO_PUBLIC_API_URL=https://your-api-url.vercel.app  
EXPO_PUBLIC_FIREBASE_API_KEY=your-firebase-api-key  
EXPO_PUBLIC_FIREBASE_AUTH_DOMAIN=your-project.firebaseio.com  
EXPO_PUBLIC_FIREBASE_PROJECT_ID=your-project-id  
EXPO_PUBLIC_FIREBASE_STORAGE_BUCKET=your-project.appspot.com  
EXPO_PUBLIC_FIREBASE_MESSAGING_SENDER_ID=your-sender-id  
EXPO_PUBLIC_FIREBASE_APP_ID=your-app-id  
EXPO_PUBLIC_FIRESTORE_DATABASE_ID=your-database-id
```

License

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