

Build Documentation

Getting Started

Set up and run the project locally by following each step carefully.

Clone the Repository

- **Repository URL:** `git@github.com:amosproj/amos2024ws04-personalized-play.git`
- **Commands:**

```
git clone git@github.com:amosproj/amos2024ws04-personalized-play.git  
  
cd amos2024ws04-personalized-play
```

Set Up Environment Variables

Copy example environment files to configure your environment.

- **Commands:**

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

- Repeat this command in directories like `backend` and `app` if they have their own `.env.example` files.
- Customize each `.env` file as necessary for your local setup.

Install Dependencies

Navigate to each directory (`backend` and `app`) and install dependencies.

- **Command:**

```
npm install
```

Install the Expo Developer Build

To test the mobile interface, download the Expo Developer build from [Expo.dev](https://expo.dev).

Run the Project Locally

Each component has specific commands to start in development mode. Follow these steps:

Start the backend

- **Command** (from the `backend` directory):

```
npm run dev
```

This command starts all required processes, including:

- Real-time compilation for Firebase Genkit flows.
- Firebase functions in development mode with immediate application of code changes.
- Firebase emulators to test backend services locally.
- The Genkit Developer UI for managing and testing flows.
- **Production Option:**

```
npm run build
```

Use this command to build the backend without real-time updates if you're not actively developing.

Start the Expo Dev Server

To view the project on a mobile device, start the Expo server from the `app` directory.

- **Command:**

```
npm run dev
```

This will start the Expo development server, enabling real-time updates on a connected device (e.g., Android emulator or physical device).