

Receipts_v2

Receipts_v2 is a simple offline Flutter application designed to help asset owners (e.g., apartment managers, rental property owners, or landlords) manage their rental assets and monthly billing efficiently. The app provides an owner-side interface and stores all data locally on the user's device.

Features

- Manage rental assets such as apartments, rental houses, or rooms.
- Record and track monthly bills for tenants.
- Offline-first: all data is securely stored on the user's device.
- Simplified navigation between screens with proper state management.
- Learn how to implement essential Flutter development techniques.

Key Learning Points

This project serves as a learning resource for understanding:

- **Routing and State Management:** Learn to navigate between screens using Flutter's routing mechanisms.
- **Data Passing:** Understand how to pass data between screens effectively.
- **Stateful vs. Stateless Widgets:** Identify when to use Stateful and Stateless widgets based on your app's requirements.
- **File Management:** Handle local file storage for saving and retrieving data.

Getting Started

Follow these steps to set up and run the project:

Prerequisites

1. **Install Flutter:** Follow the official [Flutter installation guide](#) to set up Flutter on your machine.
2. **Install a code editor:** Use [Android Studio](#) or [Visual Studio Code](#) with the Flutter and Dart plugins.
 - [Android Studio Plugin](#)
 - [VS Code Plugin](#)
3. **Set up a device:** Use a physical device or an emulator for testing. You can find instructions on setting up emulators within the official [Flutter documentation](#).

Installation

1. Clone this repository:

```
git clone https://github.com/ornchannlyhov/rentalRoomManagement
cd receipts_v2
```

2. Get the project dependencies:

```
flutter pub get
```

3. Run the application:

```
flutter run
```

Folder Structure

```
lib/  
├─ main.dart      # Entry point of the application  
├─ data/          # Contain the data from the application  
├─ model/         # Data models used in the app  
├─ view/          # Contain everything relate to the user interface  
└─ diagrams/      # Widget diagram and Class UML
```

Resources

For additional help with Flutter development, check out the following resources:

- **Lab: Write your first Flutter app:** [Flutter codelab](#)
- **Cookbook: Useful Flutter samples:** [Flutter Cookbook](#)
- **Flutter Documentation:** [Flutter Official Website](#) - Tutorials, examples, and API references.
- **Flutter Layout Cheat Sheet:** [Flutter Layout Cheat Sheet](#)

Contribution

Contributions to improve the app or expand its functionality are welcome. Please fork the repository, make your changes, and submit a pull request.

License

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