Share Your Route Deployment Documentation

How to run the project (front-end)

1. Clone the repository

```
git clone https://github.com/RobertoPatino1/T6_SoftEng2.git
```

2. Move to project directory

```
cd T6_SoftEng2/share_your_route_front/
```

3. Install dependencies

```
flutter pub get
```

4. Create .env config file

```
mkdir lib/core/configs
touch lib/core/configs/.env
```

5. Place your Mapbox access token inside the .env file

```
MAPBOX_ACCESS_TOKEN = <TOKEN>
```

If you don't have an access token make sure to check the following link

6. Run the project

```
flutter run -t lib/main/main.dart
```

How to build the APK

In the root directory run the following command

```
flutter build apk -t lib/main/main.dart --split-per-abi
```

How to run the project (back-end)

The backend repository can be found here.

Clone the repository

```
git clone https://github.com/RobertoPatino1/T6_SoftEng2_Back.git
```

Install dependencies

```
cd T6_SoftEng2_Back
npm i
```

Start the server

```
node index.js
```

Add the secret key

```
mkdir .firebase
mv <secret_key>.json .firebase/
```

Create .env file at the project root

```
touch .env
```

Inside the .env file paste the following lines

```
PORT = 4001
APPLICATION_CREDENTIALS=../.firebase/serviceAccountKey.json
FIREBASE_DATABASE_URL=https://share-your-route-ff4ad-default-rtdb.firebaseio.com
```

Back-End considerations

- The project is configured to run locally on *localhost* at port *3001*
- The deployed version of the backend can be found here.
- The real time database can be found here.
- The application credentials can only be obtained via the sysadmin.

Frameworks/Tools used during the project development

Front-End

- Flutter: Front-End framework used to develop the mobile application.
- Dart: Default programming language used by Flutter.

Back-End

- Express.js: Back-End framework used to create the API and set up the endpoints.
- Firebase: Real-Time database used to store relevant data regarding the project like users, routes and coordinates.
- JavaScript: Default programming language used by Express.js.
- Render: Deployment service used to deploy the back-end.