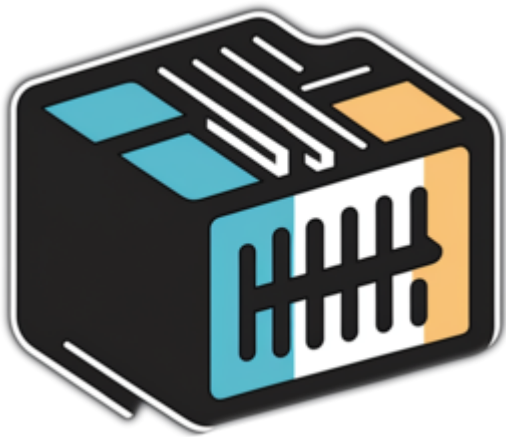# E-Jam App

A GUI for Project E-Jam for Testing, Monitoring, and Debugging Switches

`Flutter` `Latest` `dart` `Latest` `platform` `Android | iOS | Web | Linux | Windows | MacOS` `version` `1.0.1`
`status` `Testing`

About

This is a GUI for Project E-Jam for Testing, Monitoring, and Debugging Switches. It is written in Dart using the Flutter framework. It is currently in development for Our graduation project and is not ready for use yet.

Installation

To install, clone the repository and run `flutter pub get` to install dependencies. Then, run `flutter run` to run the app.

Usage

Any usage instructions will be added to the E-Jam API directory which is responsible for the backend of the app and the communication with the SystemAPIs and the management of the streams and devices running on the system and managing there states.

What's New

- All the basic functionality is done.
- The app is ready for testing and is currently in testing phase.
- All routes are working and the app is ready for use.
- Added the ability to add new devices with a radar view to show the devices in the area.
- A Lot of Optimizations and bug fixes to make the app more stable and faster and more reliable to run on all platforms.
- Add the Settings page with multiple settings for the app including controlling the graphs and the extensions in the home screen (Adding or Removing each one of them) and the default values.

To Do

- Implement Feedback in a better way other than snackbar and use monads to handle errors and success messages.
- Binding the Charts to the data from the API Using Kafka.
- Add Tutorial PDFs for the app with step by step instructions on how to use the app.
- Add the ability to export the data from the app to a CSV file or PDF file.
- Testing on Android, Web, Linux, and Windows (Mostly done).
- Release the app on Snapcraft and on Github with exe installers for Windows and Linux and Android.