**Harmonica - Musical Instruments Translator**

Harmonica is a Flutter application that allows users to explore different musical instruments and provides translations of their names in various languages. Whether you are a music enthusiast or a language learner, this app can be a valuable resource to expand your knowledge.

**Introduction:**

Project Overview:

Harmonica is a Flutter application built using Flutter SDK and Dart programming language. The app allows users to explore a wide range of musical instruments and provides translations of their names in different languages.

**Key Features:**

- Browse a wide range of musical instruments

- Translate instrument names into multiple languages

- Mark favorite instruments for quick access

- Search for specific instruments by name or category

**System Requirements:**

Before installing and running the Harmonica app, ensure that your system meets the following requirements:

- Flutter SDK (2.0 or above)

- Dart programming language (2.12.0 or above)

**Installation and Setup:**

**Prerequisites:**

Make sure you have the following prerequisites installed on your system:

- Flutter SDK (2.0 or above)

- Dart programming language (2.12.0 or above)

**Installing Flutter and Dart:**

[Provide instructions to install Flutter and Dart on different platforms, such as Windows, macOS, and Linux.]

**Clone the Repository:**

Use the following command to clone the Harmonica repository:

git clone https://github.com/xxVasnkataxx/Harmonica.git

**Get Dependencies:**

Navigate to the project directory and run the following command to get the dependencies:

flutter pub get

**Running the App:**

To run the Harmonica app, use the following command:

flutter run

**Usage:**

**Home Screen:**

The home screen displays a list of musical instruments. Scroll through the list to browse different instruments. Tap on an instrument to view detailed information.

**Translations:**

A list of languages will appear, and tapping on a language will display the translated name of the instrument in that language.

**Architecture and Code Organization:**

**Project Structure:**

The structure of the project and the main files of the project were given to me by our teacher-Mr. Dobrev.

**Key Libraries and Packages:**

It consisted of a main.dart file which ran the whole project, categories.dart for the categories of the different instruments, language\_selector.dart which operated the whole selection of different languages and is the main purpose of the app. These were the main files used in the application, along with the Assets folder for all the pictures used in the app.

**Contributing:**

Contributions to Harmonica are welcome! If you find any bugs or want to suggest new features, please open an issue on the GitHub repository. You can also fork the repository and submit a pull request.

**License:**

This project is licensed under the MIT License.

**Credits:**

Harmonica app was developed by Ivan Draganov, student at VSCPI in the city of Burgas, located in Bulgaria.

**Contact:**

**If you have any questions or suggestions, feel free to contact the project maintainer at Ivandraganov866@gmail.com**