**1.PROJECT TITLE & DESCRIPTION:**

***Tracing Shadows***

A \*\*Flutter-based mobile application\*\* that converts \*\*text into Braille\*\* to assist visually impaired individuals. This app provides an easy-to-use interface to input text and get the corresponding Braille representation.

**2. FEATURES:**

🚀 Features

* Convert English text to Braille symbols
* Supports multiple font styles for Braille
* \*\*Text-to-Speech (TTS)\*\* integration for audio feedback
* Option to \*\*save Braille output as an image or PDF\*\*
* \*\*Dark Mode\*\* for better accessibility
* \*\*Multi-language support\*\* (Upcoming Feature 🚧)

**3. TECHNOLOGIES USED:**

🛠️ Technologies Used

* \*\*Flutter (Dart)\*\*
* \*\*Flutter TTS Plugin\*\* (Text-to-Speech)
* \*\*Braille Unicode Mapping\*\*
* \*\*Google Fonts\*\* (for custom fonts)
* \*\*Firebase Storage\*\* (for cloud saving)

**4. DEPENDENCIES USED:**

To install all required dependencies, run:

```sh

flutter pub get

**5. MAIN DEPENDENCIES:**

dependencies:

flutter:

sdk: flutter

flutter\_tts: ^3.7.0 # Text-to-Speech Support

google\_fonts: ^6.1.0 # Custom Fonts for UI

provider: ^6.0.0 # State Management

pdf: ^3.10.4 # To Generate PDFs

**6. RUN THE APP ON EMULATOR OR DEVICE :**

> flutter run

**7. SNIPPETS OF OUTPUT:**





