



# Nemeth Braille to Text Translation App

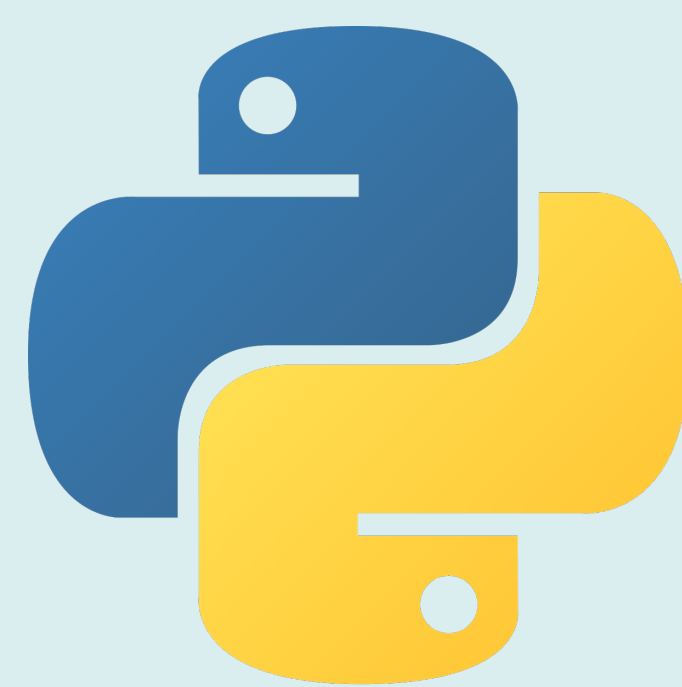
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University of North Texas



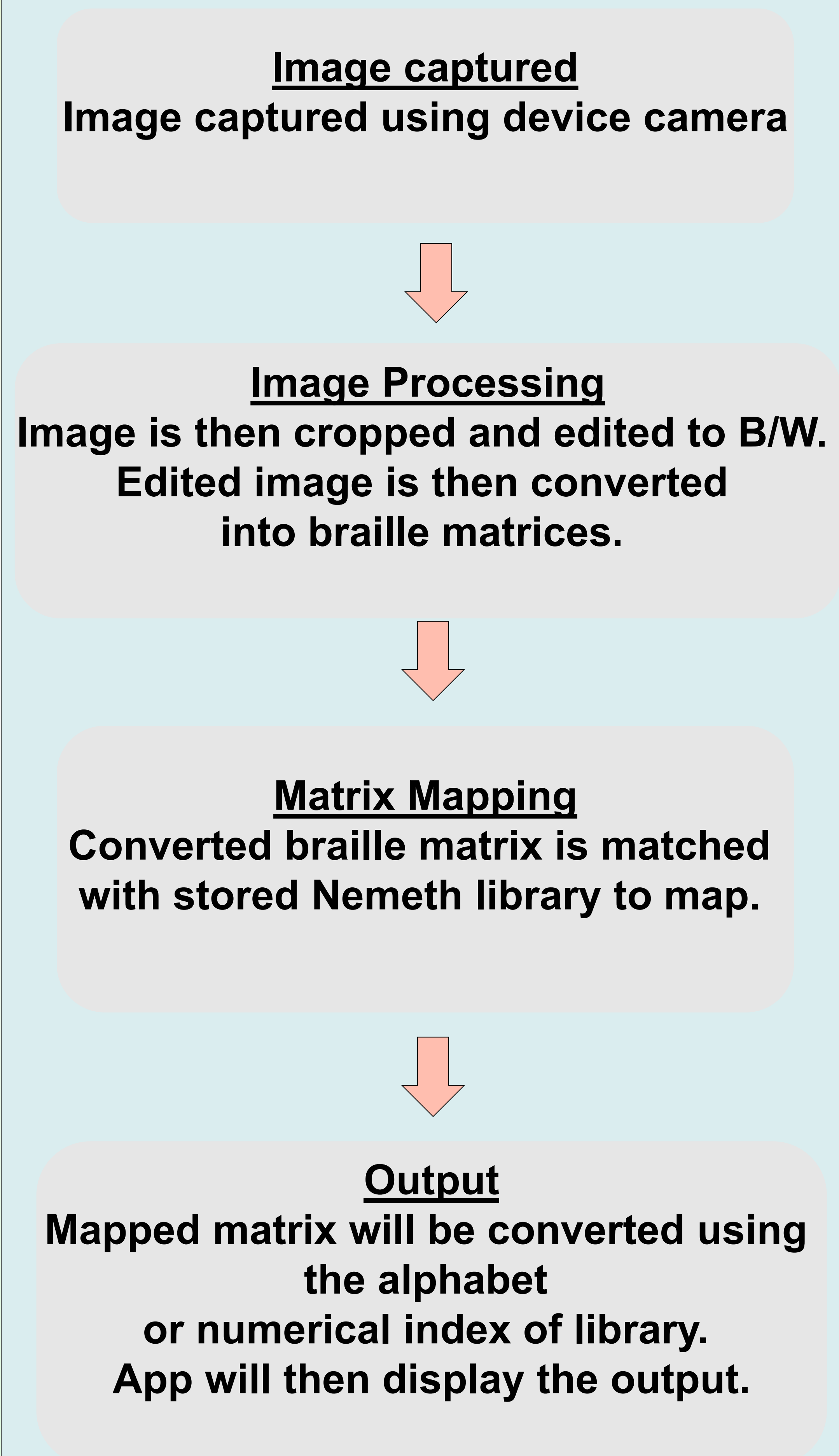
## Introduction

Translating Nemeth Braille to English using OpenCV Image processing. Application is android platform based. Captured image will be pre-processed for Black and white. Then image will be read as a matrix. OpenCV will map the processed data to a database of matrix braille to translate the text.

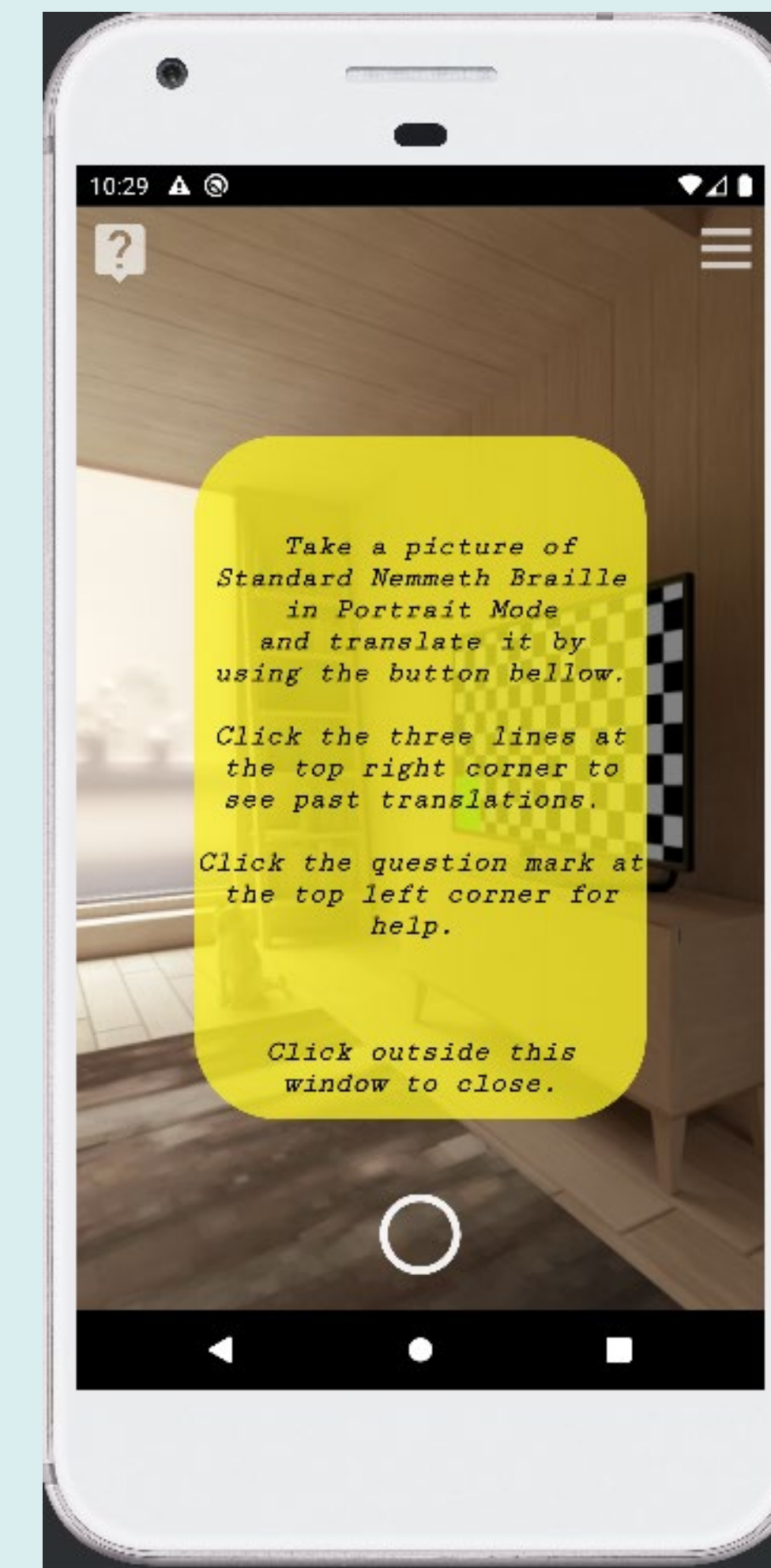
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## Translation



## Overview



User is prompted to capture an image using built in camera

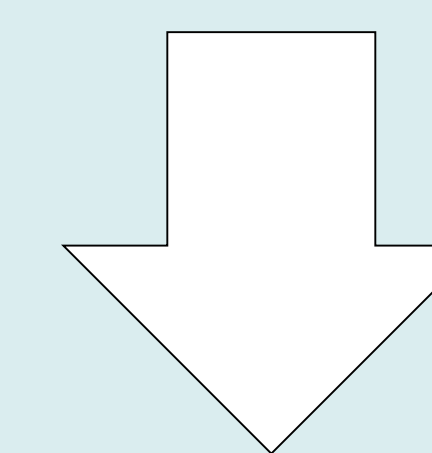
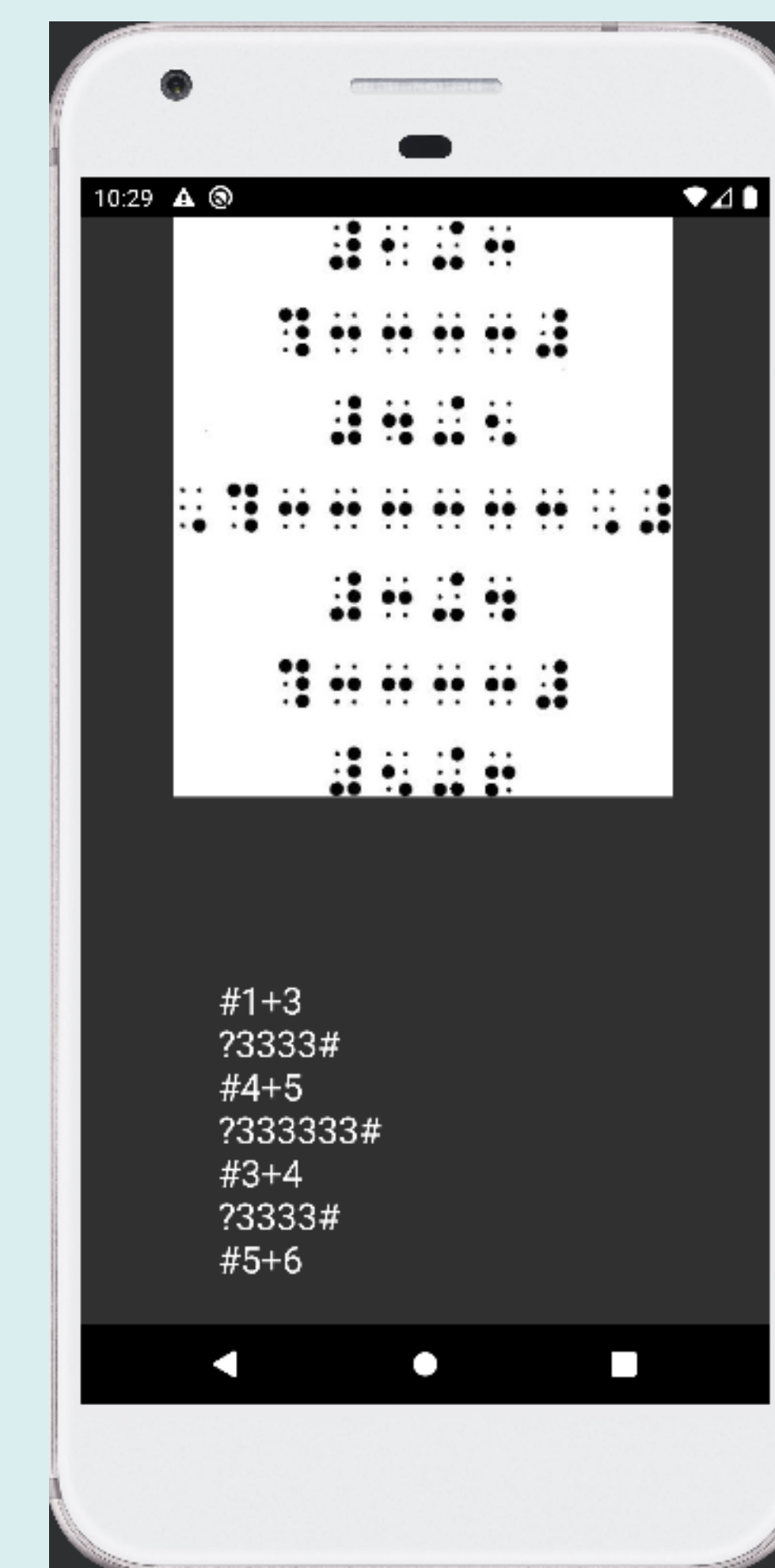


Image is then instantly processed and translated to English



## Features

- **Real-Time Translation**  
Captured image will be instantly processed to output translation.
- **Easy to Use**  
This app utilizes a simple UI with 2 step process to obtain the results.
- **Shows Past Translations**  
App stores log of past translation for user access.