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Tabasor

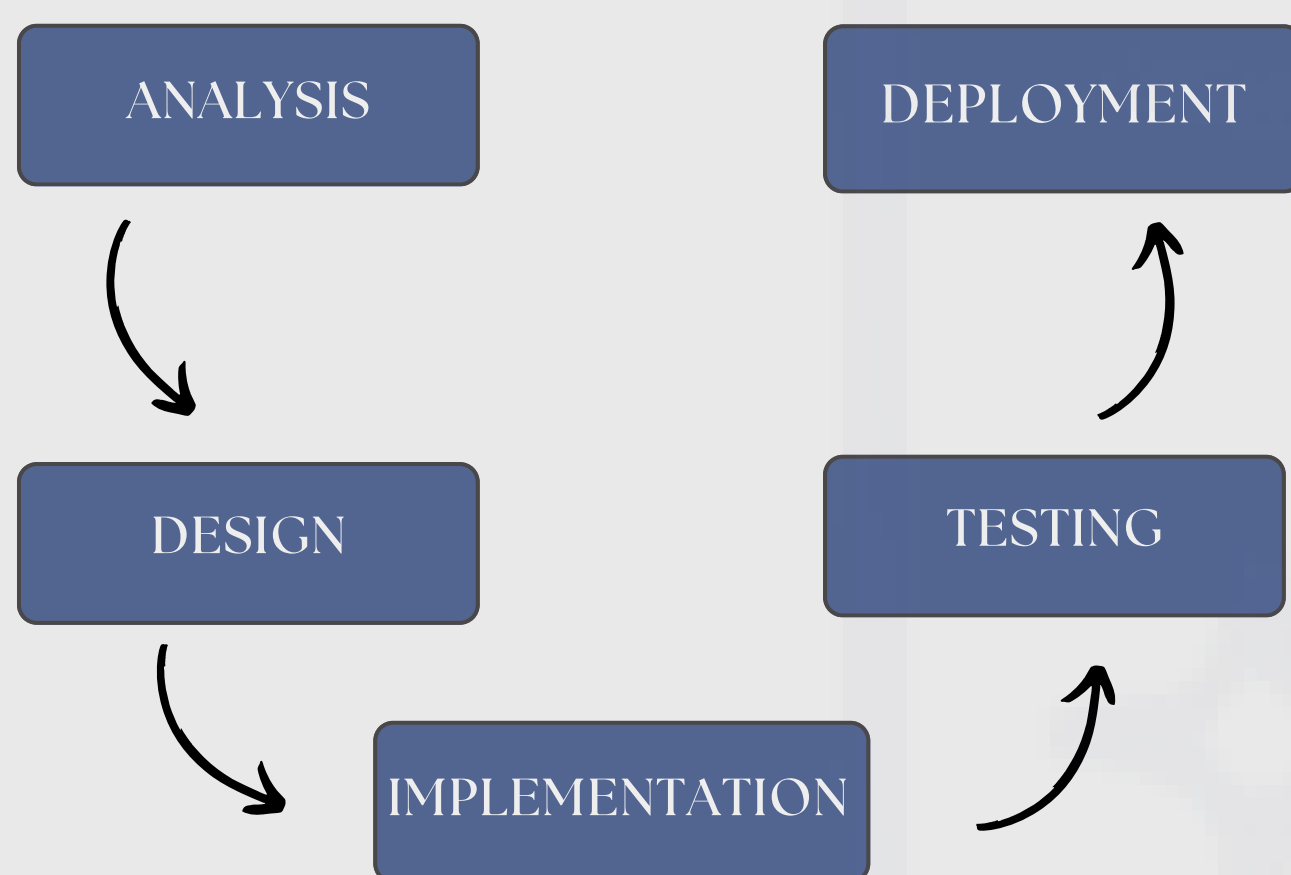Picture content translator using deep learning

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Introduction

In addition to applications that serve all segments of society, we have developed an application specifically designed to assist blind individuals. This application translates the content of images on your phone into audio descriptions, providing an accessible way for blind users to understand visual content.

Methodology

ANALYSIS → DESIGN → IMPLEMENTATION → TESTING → DEPLOYMENT

User Interface

Tools

Abstract

We thought about providing features that benefit blind people, so we developed an application that helps blind people discover the content of images. The "Tabasor" application analyzes images and then translates the image content into sounds that describe the image.

Objective
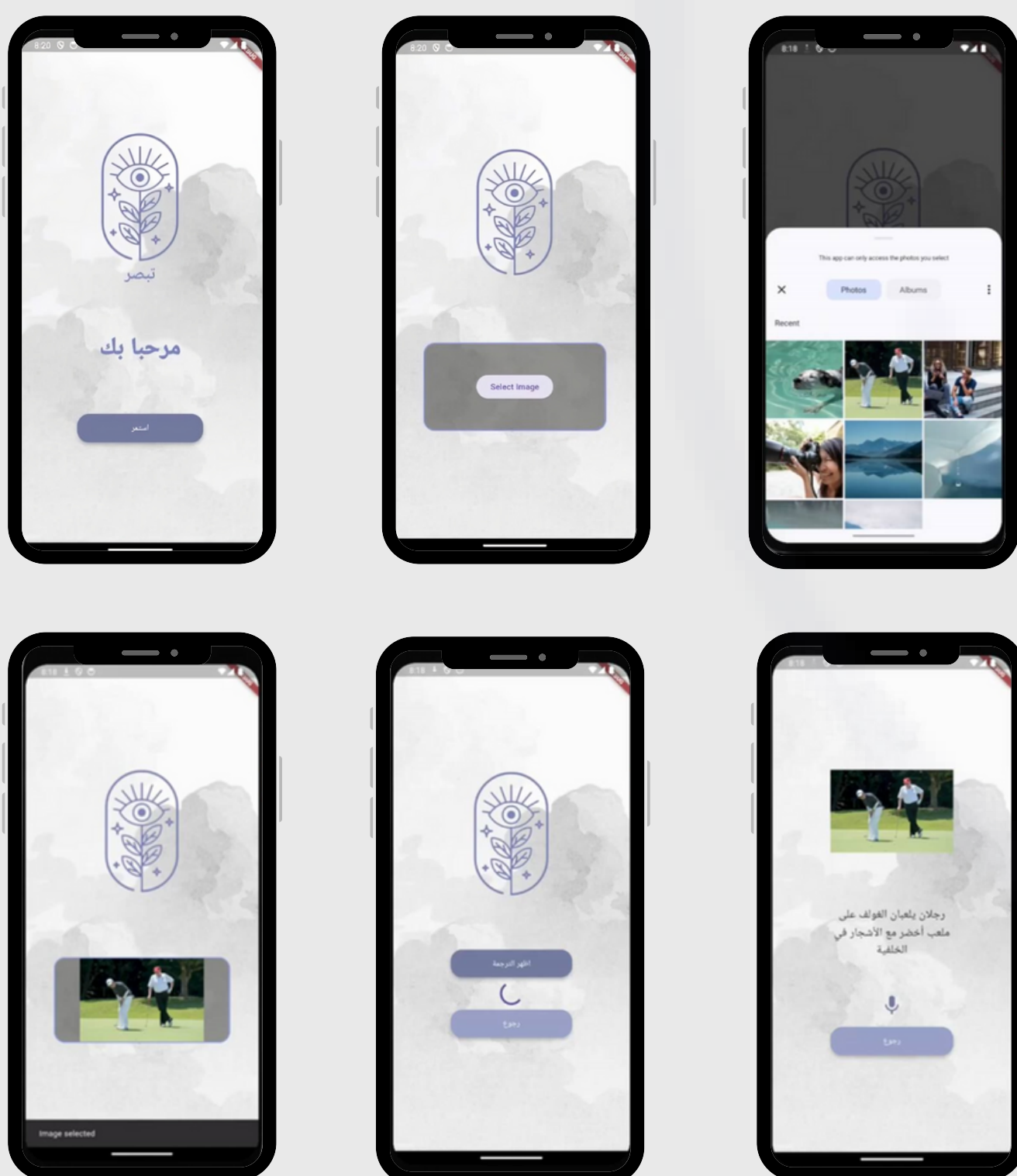
1 Helping blind Arabs to understand the content of images

2 Providing useful services to an important group in society

Conclusion

This project aims to help blind people by extracting the content of images and converting them into text and then into sound, meaning text to speech. In the end, we succeeded in developing this application.

Future Work

1 We aim to develop the application so that it can convert into several languages, not just Arabic.

2 Aim to add a feature that allows users to translate their images while using WhatsApp and with a phone camera.