MICHIGAN STATE
U N I V E R S I T Y

Beta Presentation
Intelligent Real-World Text Recognition

The Capstone Experience

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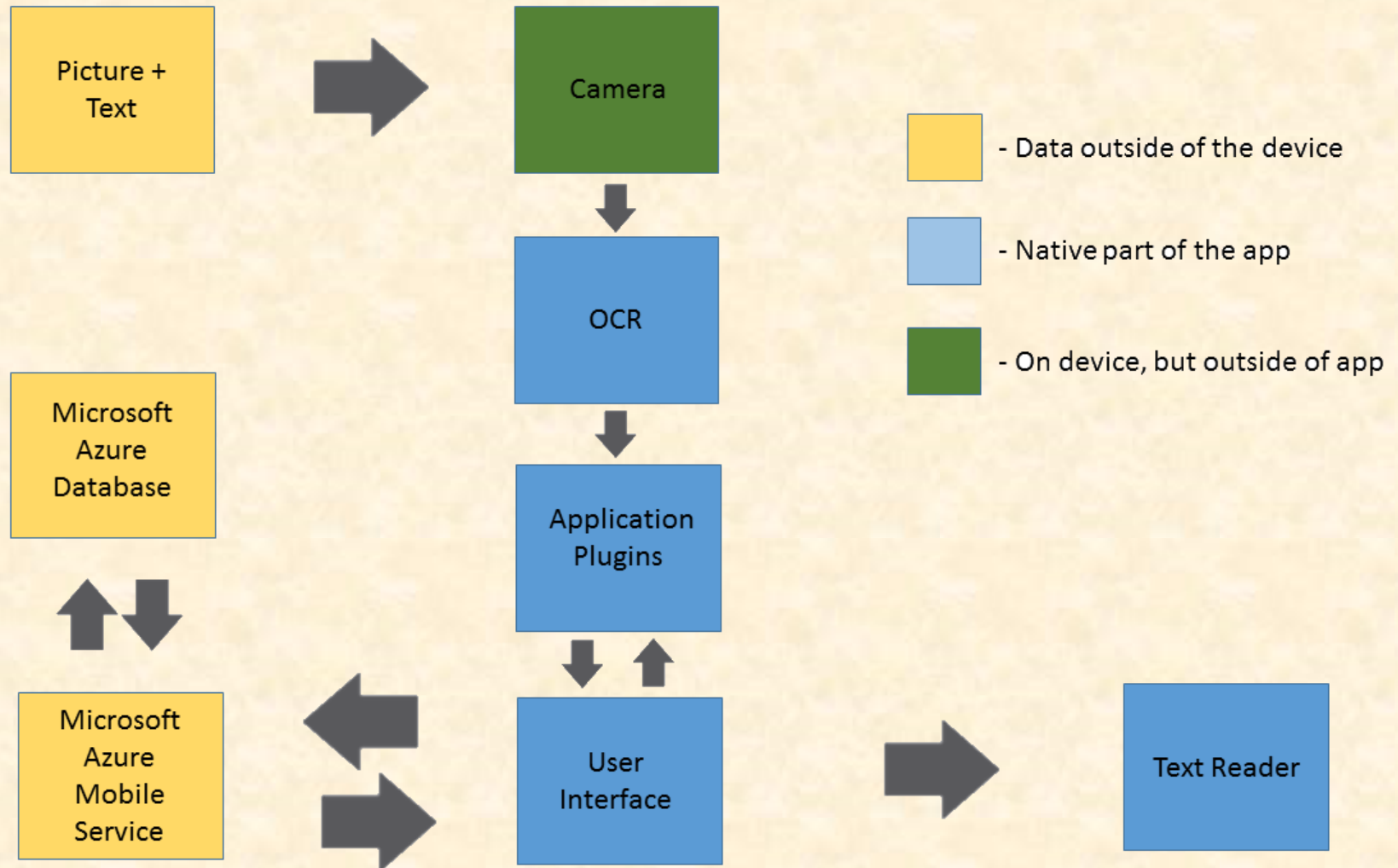Michigan State University

Fall 2015

From Students…
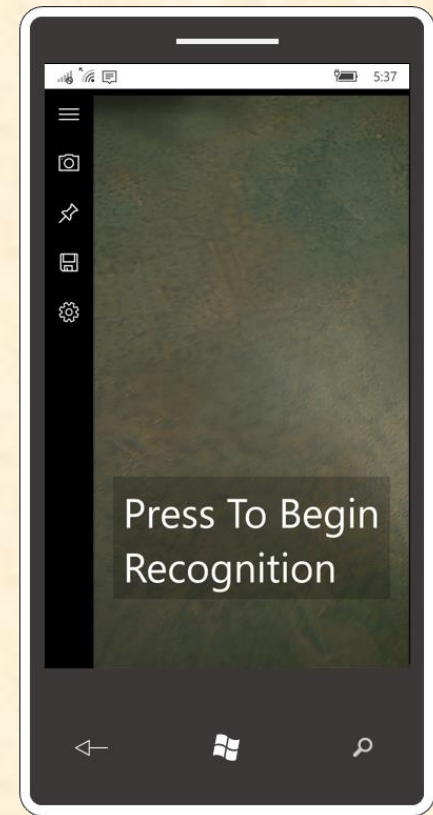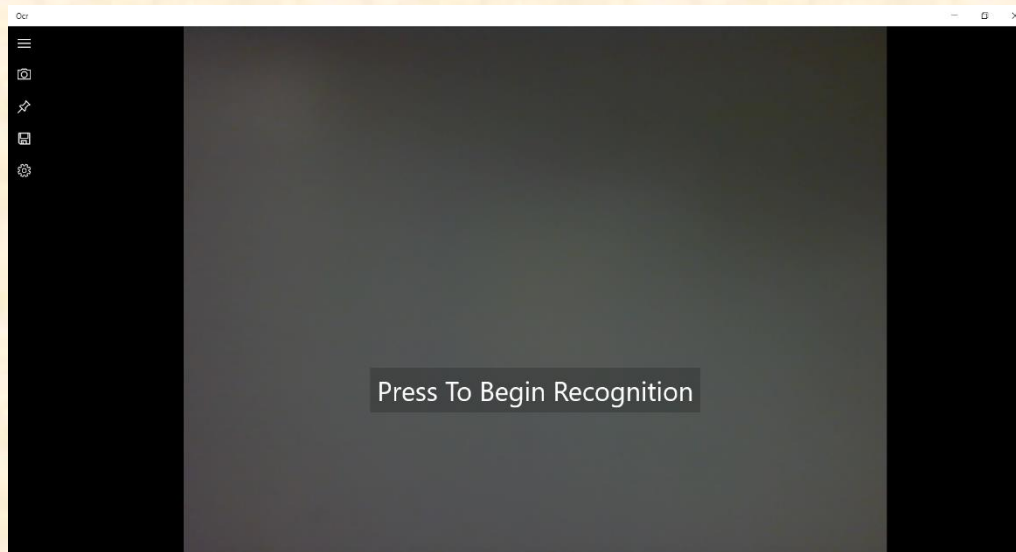*…to Professionals*

Project Overview

- Efficiently recognize text and perform appropriate actions

- Options to easily save text and retrieve for later use

- Accessibility for users who are visually impaired

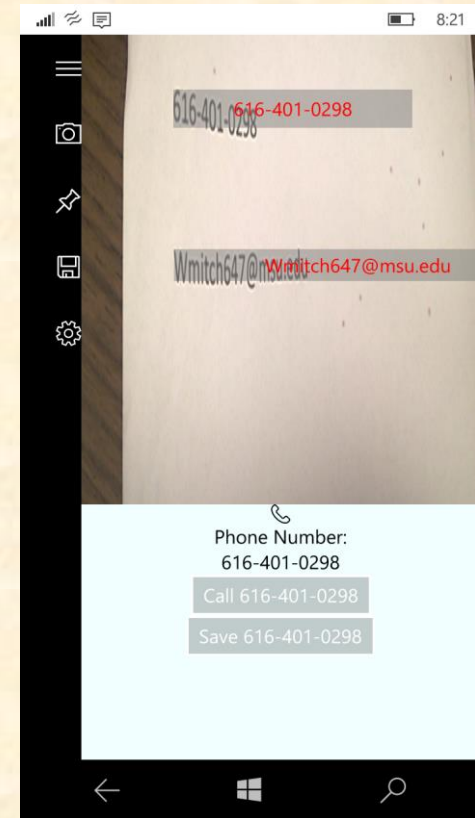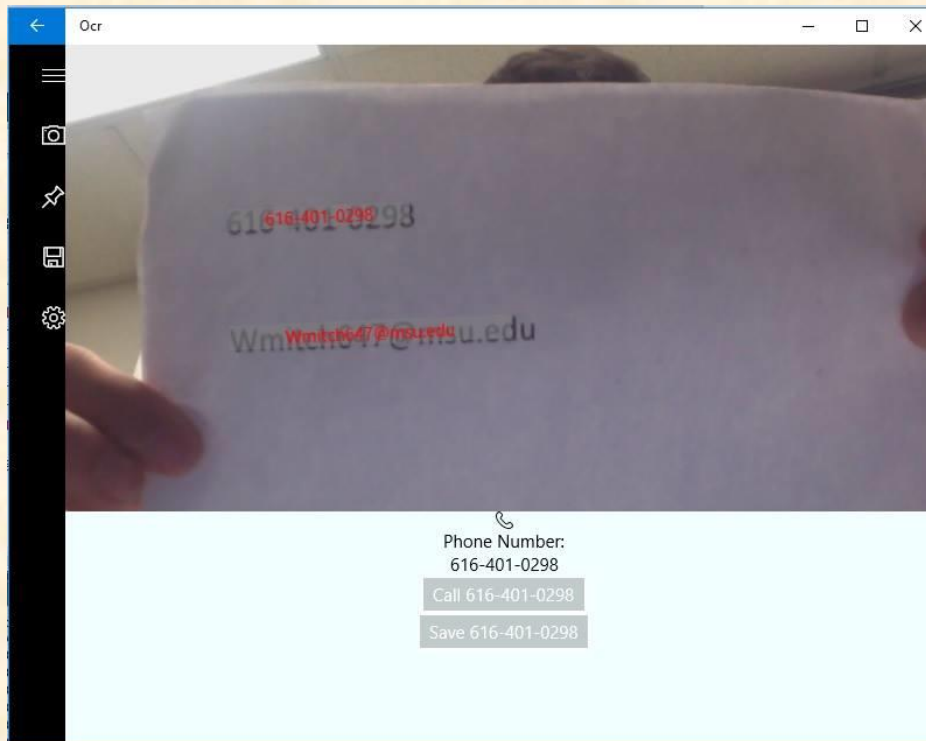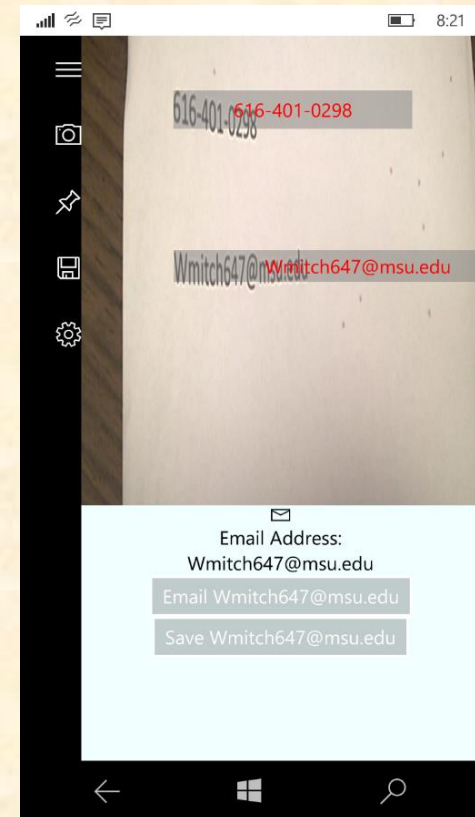- Windows 10 application supporting desktop, phone, tablet, Raspberry Pi
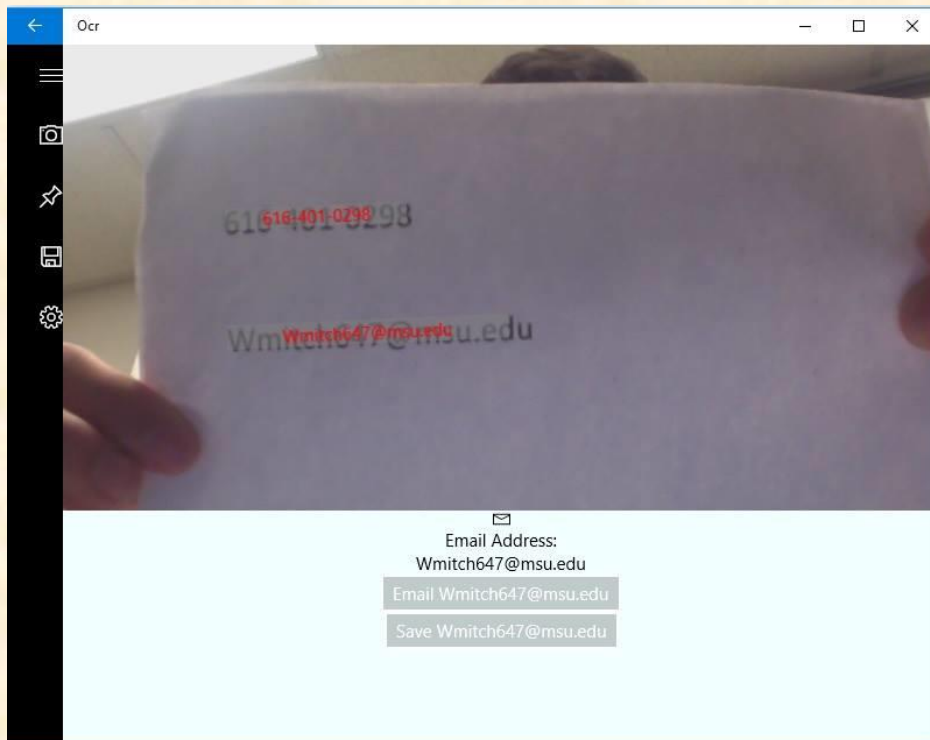
System Architecture

Picture + Text

Camera

OCR

Application Plugins

User Interface

Microsoft Azure Database

Microsoft Azure Mobile Service

Text Reader

- Data outside of the device

- Native part of the app
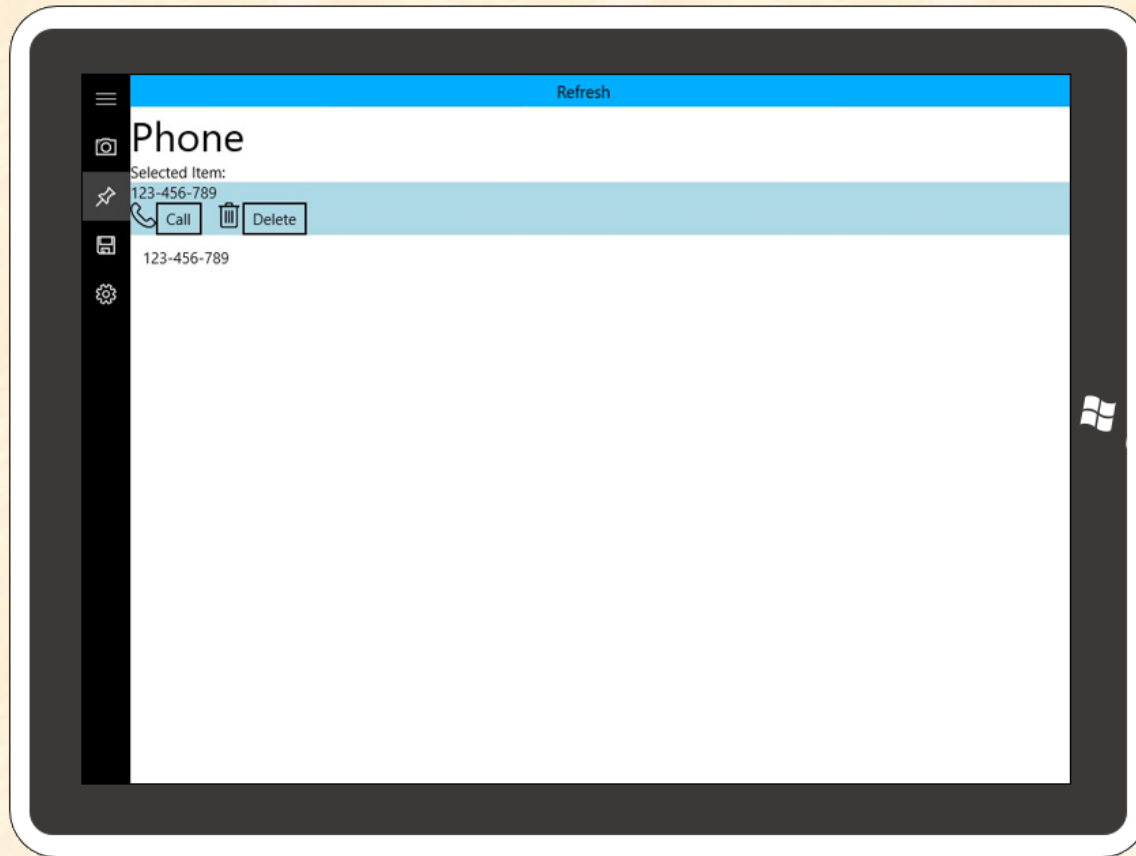
- On device, but outside of app

Camera Page

Results Screen

Results Screen

Saved Data

What's left to do?

- Tying data to user's account
- Sign-in conditions
- Keeping up accessibility standards
- App Stability
- Project Video
- Raspberry Pi