

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

# Alpha Presentation

## Product Availability Check using Glassware

### The Capstone Experience

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*From Students...  
...to Professionals*

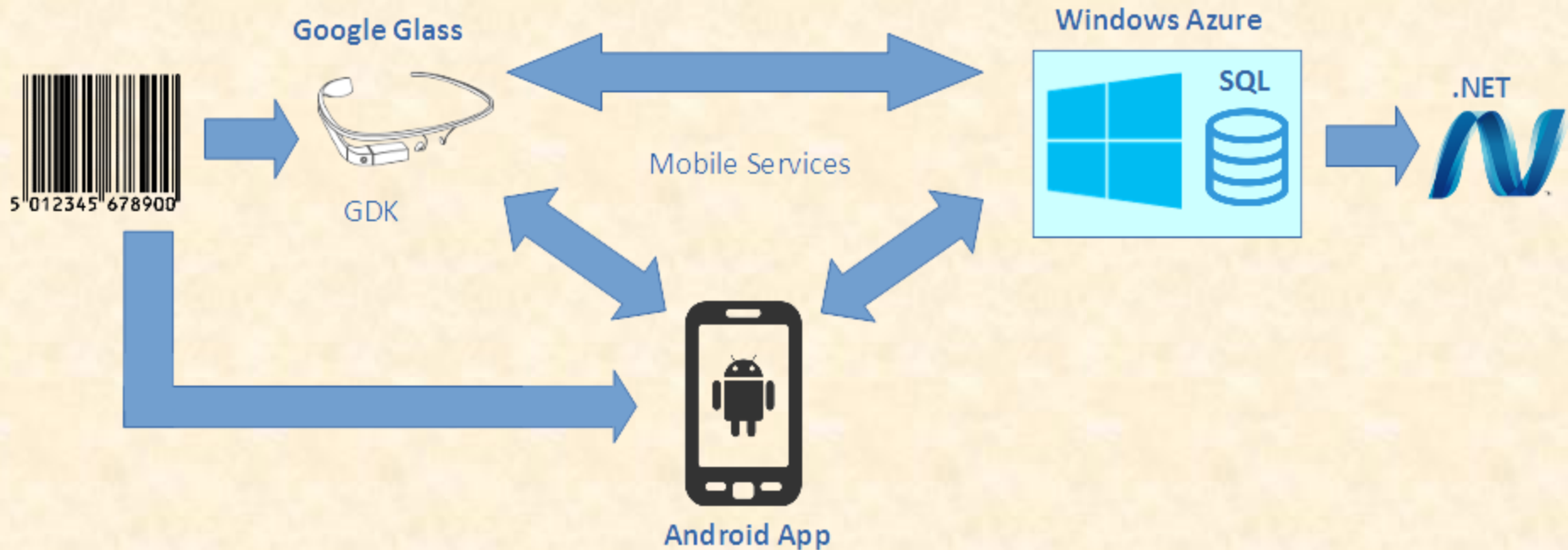
# Project Overview

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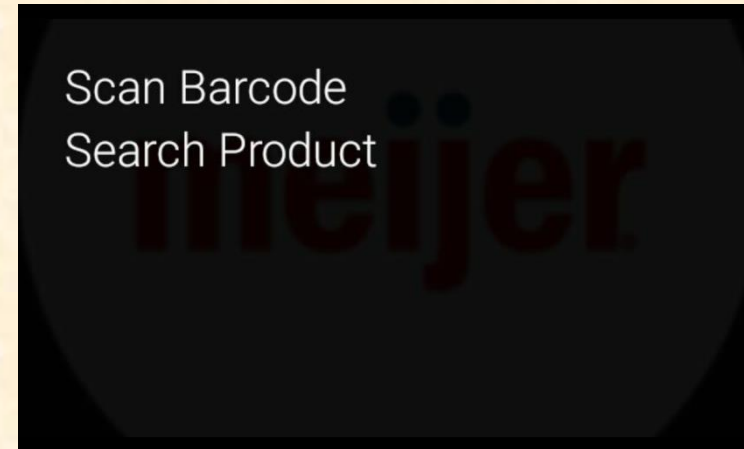
- Provide employees with convenient access to product availability information
- Real-time barcode scanning using Google Glass app and companion Android app
- Barcode image scanning using companion app
- Website for displaying app analytics



# System Architecture



# Glass App Scan Menu



# Product Info on Glass App

Dog Food

Balance:

16

Price:

\$25.99

UPC:

123456789128

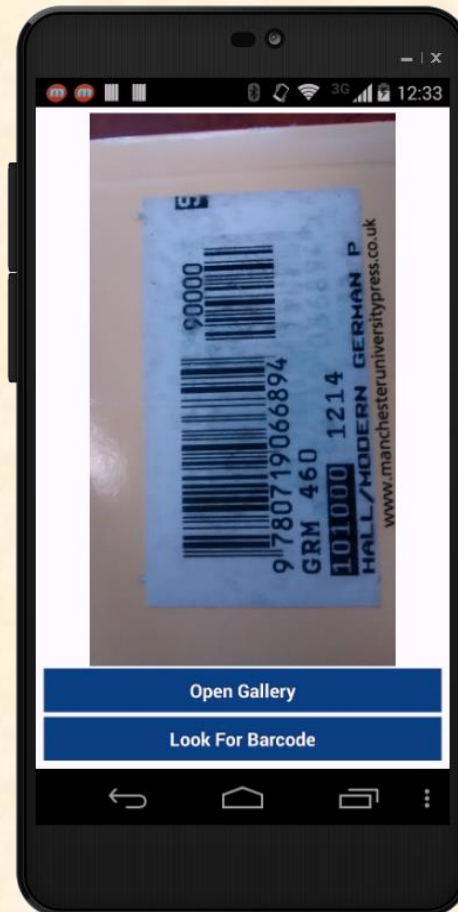
just now



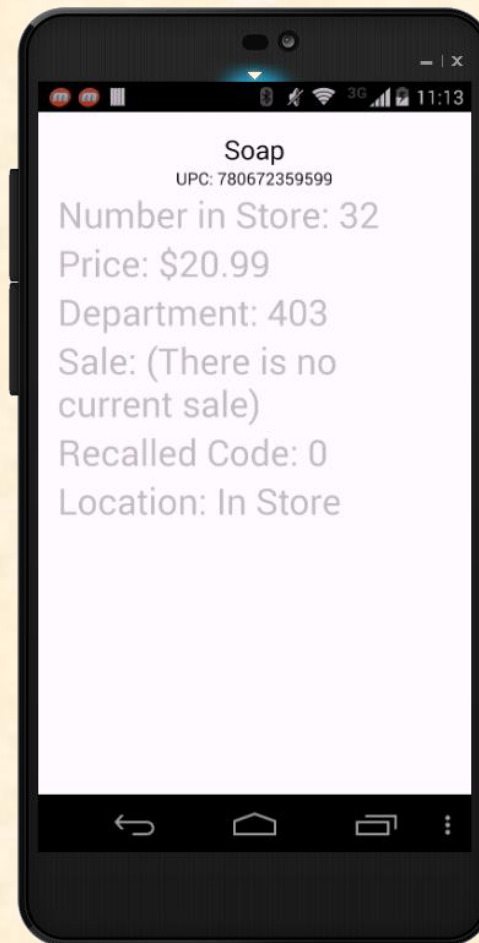
# Android App Menu



# Android App Image Scanning



# Product Info on Android App





# Employee Portal Website



## EMPLOYEE PORTAL

Search Term: Fish

Search

Search For: Name

Order By: Balance On Hand

9 item(s) found.

ID	UPC	Description	Balance On Hand	Time
E71DBF3E-D572-4D1F-A361-5DC29A2DA432	00000000006637	Fish	7	2-21-2015 05:45:47
DD55C810-3A23-4CB6-99E4-E0C25AB2A945	00000000006637	Fish	10	2-20-2015 15:21:17
6678CBDE-14AC-4E9D-BAE9-043F8EB08468	00000000006637	Fish	10	2-21-2015 11:33:43
A654E9B8-B0FC-42EB-B506-F79CE29E2183	00000000006637	Fish	11	2-20-2015 10:41:17
3490BED6-BA1D-4F3C-872A-9C3E754AC201	00000000006637	Fish	11	2-21-2015 07:28:06
7EEB56BB-4FEC-41DF-B286-9B3E47FD366E	00000000006637	Fish	12	2-20-2015 08:01:38
2E4593F1-FC1D-43B5-A2CB-57D1D6BF8655	00000000006637	Fish	13	2-19-2015 13:45:21
2839D52B-91F1-41CD-860E-1ECEA1DBE1D4	00000000006637	Fish	15	2-19-2015 14:32:51
F3B3B314-7833-4019-B775-A7EC90033004	00000000006637	Fish	15	2-19-2015 20:15:07

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# What's left to do?

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- Try better barcode scanning library
- Try more voice commands and gestures with the Glass app
- Improve user interface on both apps
- Add data for nearby store locations
- Display data in graph format on website

