

Smart Waiter System Architecture

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Contents

1	Introduction	3
1.1	Purpose	3
1.2	Description	3
1.3	Scope	3
2	Overview	3
3	System Architecture	3
4	User Interface Design	3
4.1	User Interface Design Overview	3
4.1.1	Menu Categories	3
4.1.2	Menu Items	4
4.1.3	Confirm Order	5
4.2	User Interface Navigation Flow	6
4.3	Use Cases	6
4.3.1	Sign In Page	6
4.3.2	Barcode Scan Page	7
4.3.3	Menu Categories Page	7
4.3.4	Category Items Page	7
4.3.5	Customize Item Page	7
4.3.6	Cart Page	8
4.3.7	Payment Page	8

List of Figures

List of Tables

1	Revision History Table	2
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Revision History

Date	Comments
October 9, 2015	first draft.

Table 1: Revision History Table

Template

This document uses Volere Template for its organization.

1 Introduction

1.1 Purpose

1.2 Description

1.3 Scope

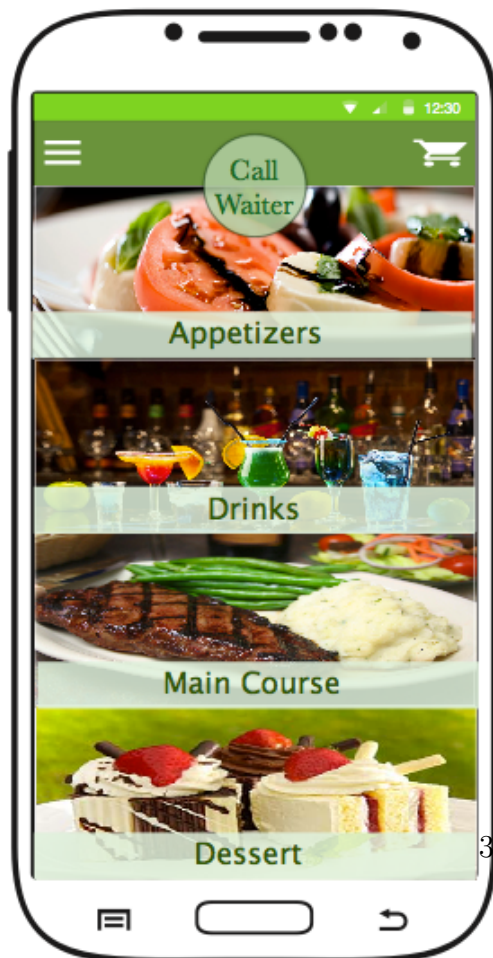
2 Overview

3 System Architecture

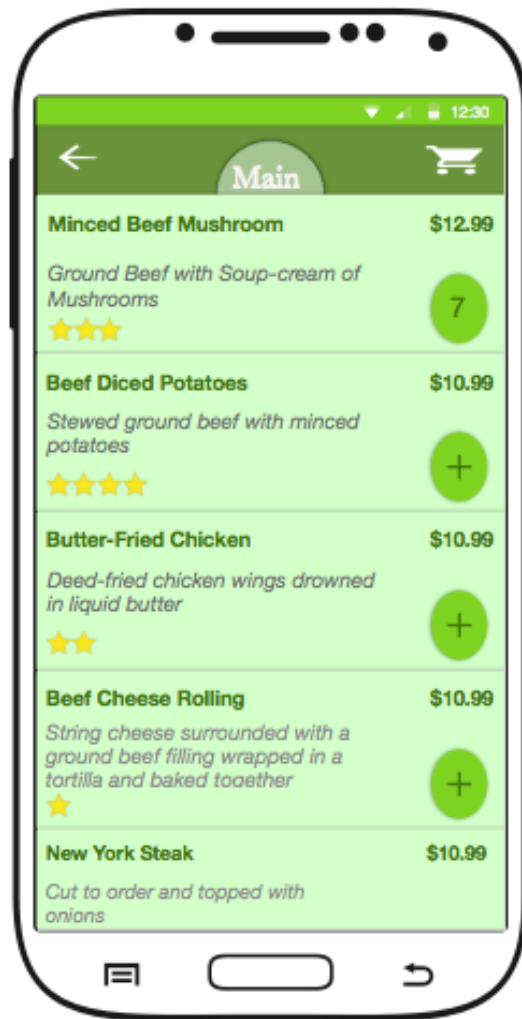
4 User Interface Design

4.1 User Interface Design Overview

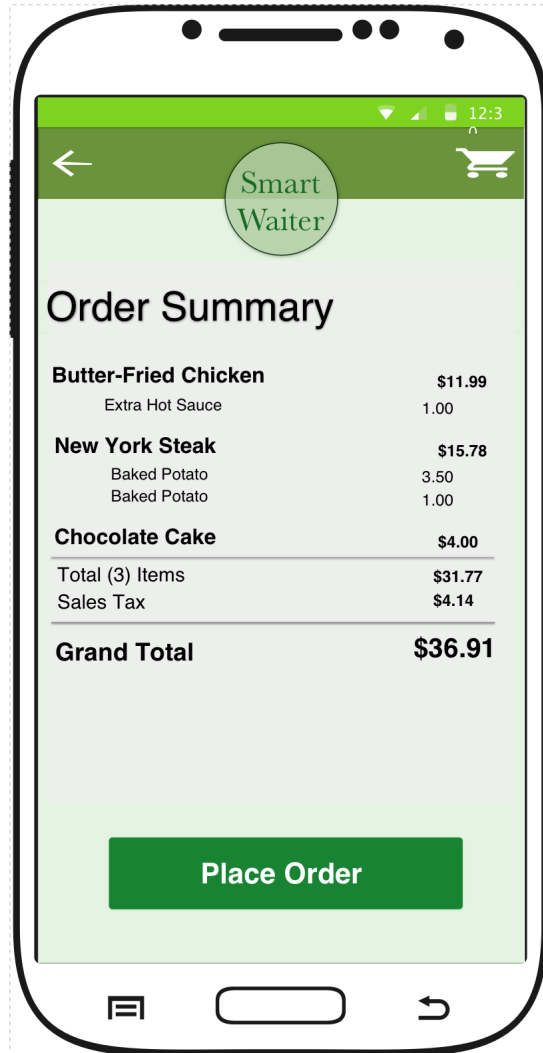
4.1.1 Menu Categories



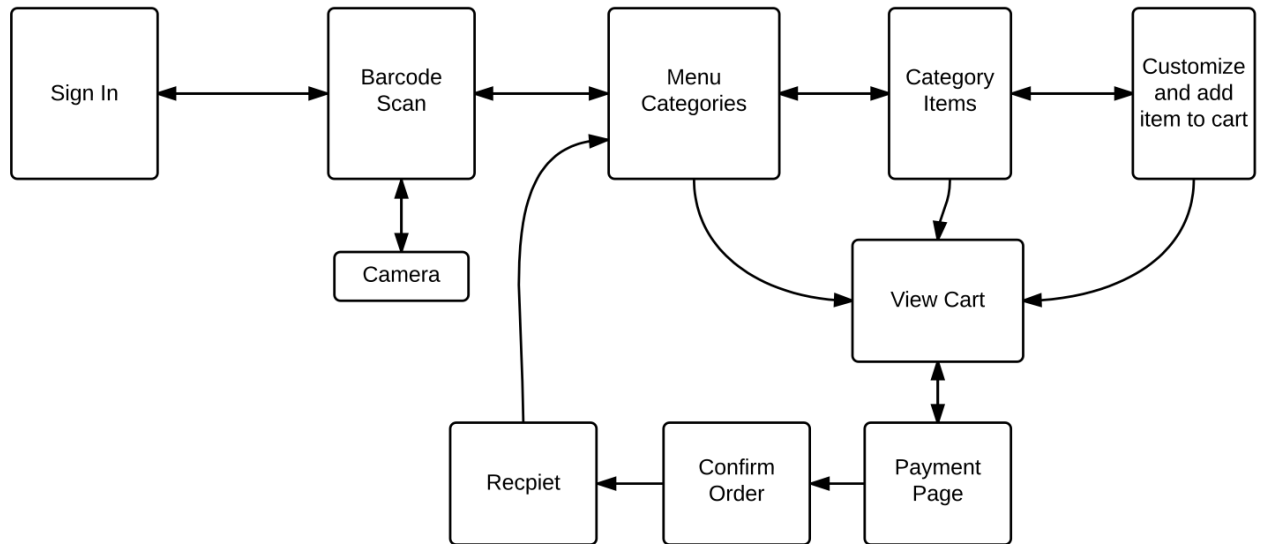
4.1.2 Menu Items



4.1.3 Confirm Order



4.2 User Interface Navigation Flow



4.3 Use Cases

4.3.1 Sign In Page

User Input	System Response
Enters correct user name and password	Application transitions to Barcode Scan page
Enters incorrect user name and password	Toaster displayed reading "incorrect login, please try again"
Enters incorrect user name	Toaster displayed reading "incorrect login, please try again"
Enters incorrect password	Toaster displayed reading "incorrect login, please try again"
Clicks "Skip Sign in"	Application transitions to Barcode Scan page
Clicks Back Button on phone	Application Quits

4.3.2 Barcode Scan Page

User Input	System Response
Clicks Scan Barcode	Application transitions to camera so user can scan code. If successful, application will transition to menu page. Otherwise will return to scanning page and display a toaster reading, "please try again"
Clicks back button on phone	Application transitions to Sign in Page

4.3.3 Menu Categories Page

User Input	System Response
Clicks category	Application transitions Category Items
Clicks back button on phone	Application transitions to Barcode Scan

4.3.4 Category Items Page

User Input	System Response
Clicks Item	Application transitions to Customize Item
Clicks back button on phone	Application transitions to Menu Categories

4.3.5 Customize Item Page

User Input	System Response
Ticks check boxes	None
Enters special instructions in input field	None
Clicks "Add to Cart"	Transitions to cart page and populate list with item
Clicks back button on phone	Application transitions to Menu items

4.3.6 Cart Page

User Input	System Response
Clicks "Delete"	Deletes item from list
Clicks "Submit Order"	Transitions to payment page
Clicks back button on phone	Application transitions to previous page

4.3.7 Payment Page

User Input	System Response
Input valid credit card and clicks "Process"	Transitions into Confirm Order page
Input invalid credit card and clicks "Process"	Toaster displayed reading "invalid credit card"
Clicks back button on phone	Application transitions to previous Cart Page