Software Requirements Specification

For

Yummy

Submitted by

Intuitive

|  |  |
| --- | --- |
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| **Cycle:** | 2 |
| **Date Submitted:** | 02-21-2013 |

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Grading Rubric - Requirements Specification

This rubric outlines the grading criteria for this document. Note that the criteria represent a plan for grading. Change is possible, especially given the dynamic nature of this course. Any change will be applied consistently for the entire class.

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| **Achievement** | **Minimal** | **Exemplary** | **Pts** | **Score** |
| **Content** | Section(s) missing, not useful, inconsistent, or wrong. | Provides all relevant information correctly and with appropriate detail |  |  |
| Introduction |  |  | 10 |  |
| Overall Description |  |  | 20 |  |
| Specific Requirements |  |  | 40 |  |
| **Grammar and Spelling** | Many serious mistakes in grammar or spelling | Grammar, punctuation, and spelling all correct | 10 |  |
| **Expression** | Hard to follow or poor word choices | Clear and concise. A pleasure to read | 10 |  |
| **Tone** | Tone not appropriate for technical writing | Tone is consistently professional |  |  |
| **Organization** | Information difficult to locate | All information is easy to find and important points stand out | 10 |  |
| **Layout** | Layout is inconsistent, visually distracting, or hinders use | Layout is attractive, consistent, and helps guide the reader |  |  |
| **Late Submission** |  |  |  |  |
| **Total** |  |  | 100 | **??** |

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Table of Contributions

The table below identifies contributors to various sections of this document.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Section** | **Writing** | **Editing** |
|  | **Entire Document** | All | nb, zl, ep |
| **1** | **Introduction** | zl | wh, ep |
| **2** | **Overall Description** | zl | wh, ep |
| **3** | **Specific Requirements** | ep | wp, nb |
| 3.1 | External Interfaces | wh | mc, ep, zl |
| 3.2 | Functions | zl | ep, zl |
| 3.3 | Logical Database Requirements | zl, ep | mc, ep, zl |
| 3.4 | Design Constraints | mc | wh, ep, zl |

Certifications

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This page must be completed by all team members and submitted with every team assignment. If the certifications are not completed, the assignment will not be graded and will be treated as late until submitted with certification complete.

For assignments submitted online, you may paste an image of your signature into the signature block.

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**Certification**

We each certify that:

To the best of my knowledge, this assignment is entirely work produced by this team

Any identification of my work (e.g., in a “Table of Contribution”) is accurate

I have not quoted the words of any other person from a printed source or a website without indicating what has been quoted and providing an appropriate citation.

I have not submitted any of the material in this document to satisfy the requirements of any other course.

|  |  |  |
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| Signature | Name (Print) | Date |
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| https://lh6.googleusercontent.com/dnqLLTvStPf-4JYXxLIL0Sm-dK0D91yIC9AX5lEXDhGUC4Wb8G9AwztjvGS4K-kPcZhIOpuUKVBVM4H_3yNQUjKl-KOwhvqnKpKHtYxKWUtjNySGMyk | Zeng Sheng Liu | 10-18-2012 |
| https://lh3.googleusercontent.com/sR8lKLQEtjZv6VT_rCuyV7QLowmI5SzIgRXZX8xdlvQvE6HxwHm0CKB5y8CfqMH3BAtHc0JSdFH6c_bnHkUJBLh1q6AKw95Awu8nNbaifv4WGYvjXX8 | Edgar Paz | 10-22-2012 |

# Introduction

## Scope

## Yummy is an Android application aimed to help vendors increase facility with which customers can place orders. Yummy will allow customers to view vendors’ menus and place their order within the app via integration with PayPal and Drexel’s Dragon Dollar service. It will also enable vendors to view sales data and analysis based on purchases made via Yummy. An internet connection is required for the use of the app.

## Definitions, Acronyms, and Abbreviations

No definitions have been defined at this time.

# Overall Description

## User Characteristics

* Owners- owners of food trucks who have their business on Yummy. They will have the ability to manage the information the customer can see, such as their menu, location, and hours of operation. Vendors will also be able to manage their inventory by adding and deleting ingredients and products. In addition, they will be able to view sales figures and reports (based on purchases made through the app) as well as reviews.
* Employees – employees of the food truck. They have the ability to retrieve order information and process payments.
* Customers - people who order food from food trucks. They will be able to locate nearby food trucks and look up their menus along with pricing. They will also have the ability to place orders on Yummy and rate the food trucks.

# Specific Requirements

## External Interfaces

### Data Interface

This section defines the data interaction within the system without users’ involvement

* Transaction (System – PayPal/Drexel) – Yummy will send payment information to PayPal/Drexel’s Dragon Dollar service for payment processing
* Vendor Location (System – Google map) – System will send Vendor location information to Google Maps in order to properly display the Vendor’s location on a map.

### User Interface

* + - * Vendor Admin interface - this is the interface for the Vendor Admins to view and modify their information, menu, and inventory, as well as perform analysis.
      * Customer interface - this is the interface for customers to search for Vendors (by name and location), view Vendor’s menus, and place orders.

## Functions

**R.C –Customer Requirements**

**R.C.1 - Location (zl)**

Yummy will display a list of Vendors in a list and on a map.

**R.C.2 - Food Type (ep)**

Yummy can filter Vendors by different types of food (Asian, American, Indian, etc).

**R.C.3 - Menu (mc)**

Yummy will display menus of Vendors with items’ prices.

**R.C.4 - Add Menu Items to Cart (ep)**

Yummy will allow customers to add items to their own cart.

**R.C.5 - View Order (wh)**

Yummy will allow customers to view current and past orders.

**R.C.6 - Rating (mc)**

Yummy will allow customers to rate and write small reviews for the Vendors.

**R.C.7 - Read Rating (wh)**

Yummy will allow customers to view Vendors’ ratings and reviews.

**R.C.8 - Promotions (wh)**

Yummy will allow customers to view daily promotions and special offers provided by Vendors.

**R.C.9 - Payment (zl)**

Yummy will allow customers to pay for their order via PayPal, Dragon Dollars or with cash at pickup.

**R.C.10 –View Menu Items (ep)**

Yummy will allow customers to view details of items on the menu

**R.C.11 – View Cart (ep)**

Yummy will allow customers to view their cart and their prospective order’s total price.

**R.C.12 – Search Vendors (ep)**

Yummy will allow customers to search for Vendors by title/description and location.

**R.V –Vendor Admin Requirements**

**R.V.1 –Configuration options (nb)**

Yummy will provide Vendor Admins with several configuration options for their account.

**R.V.2 - Manage Menu (ep)**

Yummy will allow Vendor Admins to manage their menu and prices.

**R.V.3 - Manage Inventory (wh)**

Yummy will allow Vendor Admins to manage their ingredient inventory.

**R.V.4 - Manage Vendor Info (zl)**

Yummy will allow Vendor Admins to manage their location and hours of operation.

**R.V.5 - View Reviews (ep)**

Yummy will allow Vendor Admins to view ratings and reviews of their own trucks.

**R.V.6 - Wait Time (nb)**

Yummy will allow Vendor Admins to establish estimated wait time for food to be ready/pick up.

**R.V.7 - Status (nb)**

Yummy will allow Vendor Admins to manage their current status (Open, Closed, Temporarily Out).

**R.V.8 - Sales Analysis (mc)**

Yummy will allow Vendor Admins to view app-based product sales figures and analysis (reports and charts).

**R.V.9 - Offers (ep)**

Yummy will allow Vendor Admins to post announcements or special offers.

## Logical Database Requirements

**Vendor**  - contains important information about the vendor

|  |  |
| --- | --- |
| Vendor ID | A unique number to identify each Vendor. |
| Name | The name of the food truck. |
| Description | A short description of the food truck and its menu. |
| Location | Will stores the coordinates of the food truck for customers to easily find the truck. |
| Status | The Vendor’s current status (Open, Closed, Temporarily Out) |
| Picture Url | Url address of the picture to allow users to see the vendor |

**Menu Item** – description of the menu item

|  |  |
| --- | --- |
| Menu Item ID | A unique identifier for each menu item. |
| Name | The item’s name. |
| Category | The category which the item belongs to. |
| Price | The price for this item. |
| Description | A short description of the item. |
| Available | Will denote whether an item is currently available. |
| Picture Url | Url address of the picture to allow users to see the food. |
| Vendor ID | Vendor that is associated with this menu. |

**Special Offers**– description of the offer/discount

|  |  |
| --- | --- |
| Special Offer ID | The special offer id number. |
| Description | Details of the Vendor’s offer. |
| Promotion Period | Time period the offer will be available. |
| Discount Amount | The amount of discount that will apply to the order. |
| Vendor ID | Vendor associated with this special offer. |

**Order** – includes all the information for the order

|  |  |
| --- | --- |
| Order ID | The order id number. |
| Vendor ID | Vendor for which this order was placed. |
| Menu Items | List of menu items part of this order. |
| Wait Time | Estimated wait time a Vendor Admin has assigned the order. |
| Payment Method | Form of payment used by the customer. (PayPal, Dragon Dollar or cash on pickup). |
| Tax | Total amount of tax for the order. |
| Discount | Discount applied for the order. |
| Total | Total dollar amount of the order. |
| Status | Denotes whether an order has been submitted, paid for, fulfilled or cancelled. |

**Review for Vendor**– contains information for the review

|  |  |
| --- | --- |
| Review ID | The review id number. |
| Review Author | The username of the customer who left the review. |
| Vendor ID | The food truck id which this review belongs to. |
| Title | The title of the review. |
| Description | The main body of the review. |
| Rating | A rating the customer has given the truck on a scale of 1 to 5. |
| Date Created | The date and time the review was submitted. |
| Is Review Removed | If the review has been removed from public view. |

**Ingredients** – contains information about the ingredients of Menu Items

|  |  |
| --- | --- |
| Ingredient ID | The ingredient id. |
| Name | The name of the ingredient. |
| Description | The main body of the review. |
| Menu Item ID | The Menu Item this ingredient is associated with. |

**Hours of Operation** – contains information about the vendor’s hours of operation

|  |  |
| --- | --- |
| Vendor ID | The food truck id which this review belongs to. |
| Monday Open | Time vendor opens for business on typical Monday. |
| Monday Close | Time vendor closes business on typical Monday. |
| Tuesday Open | Time vendor opens for business on typical Tuesday. |
| Tuesday Close | Time vendor closes business on typical Tuesday. |
| Wednesday Open | Time vendor opens for business on typical Wednesday. |
| Wednesday Close | Time vendor closes business on typical Wednesday. |
| Thursday Open | Time vendor opens for business on typical Thursday. |
| Thursday Close | Time vendor closes business on typical Thursday. |
| Friday Open | Time vendor opens for business on typical Friday. |
| Friday Close | Time vendor closes business on typical Friday. |
| Saturday Open | Time vendor opens for business on typical Saturday. |
| Saturday Close | Time vendor closes business on typical Saturday. |
| Sunday Open | Time vendor opens for business on typical Sunday. |
| Sunday Close | Time vendor closes business on typical Sunday. |

**User**  - contains information about the users

|  |  |
| --- | --- |
| User ID | Id number associated with this user. |
| Username | The username of the user. |
| Password | The user’s encrypted password. |
| Account Type | The type of account associated with this user (Guest, Customer, Employee, Vendor Admin). |

**Ingredients Menu Item Join** - a join table between the Ingredients and Menu Item tables

|  |  |
| --- | --- |
| Ingredient ID | Ingredient id associated with this ingredient. |
| Menu Item ID | Menu item id associated with this menu item. |

## Design Constraints

**3.4.1 Constraint:**

We are currently going to focus on mobile devices that are running Android system. Support for other operating systems and platforms will be added in the future releases.

Reason:  iOS development requires a developer account which we do not have.