Recycling Fruit PEels

27/04/2021

# Overview

## Project Background and Description

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| --- | --- |
| Tip icon | *Describe how this project came about, who is involved, and the purpose.* |

## Project Scope

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| --- | --- |
| Tip icon | *Project scope defines the boundaries of a project. Think of the scope as an imaginary box that will enclose all the project elements/activities. It not only defines what you are doing (what goes into the box), but it sets limits for what will not be done as part of the project (what doesn’t fit in the box). Scope answers questions including what will be done, what won’t be done, and what the result will look like.* |

## High-Level Requirements

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| --- | --- |
| Tip icon | *Describe the high level requirements for the project. For example:* |

The new system must include the following:

* Ability to allow both internal and external users to access the application without downloading any software
* Ability to interface with the existing data warehouse application
* Ability to incorporate automated routing and notifications based on business rules

## Deliverables

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| --- | --- |
| Tip icon | *List agencies, stakeholders or divisions which will be impacted by this project and describe how they will be affected by the project.* |

## Affected Parties

|  |  |
| --- | --- |
| Tip icon | *List business processes or systems which will be impacted by this project and describe how they will be affected.* |

## Affected Business Processes or Systems

|  |  |
| --- | --- |
| Tip icon | *Describe any specific components that are excluded from this project.* |

## Specific Exclusions from Scope

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| --- | --- |
| Tip icon | *Describe how you plan to implement the project. For example, will all parts of the project be rolled out at once or will it be incremental? What will be included in each release?* |

## Implementation Plan

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| --- | --- |
| Tip icon | *Include recommendations that lead to your proposed solution. Summarize what you’re proposing to do and how you’re going to meet the goals. You’ll be able to expand on the details within the ‘Our Proposal’ section.* |

Modules for the project:

### Common: - Nitu

Main.go – contains initialization and starting of application

### Server: - Nitu

sessionmanager.go - Contains functions to create session and cookies using UUID. Sign up, login, logout and user input validation

### Database: Nitu

seller\_db.go – Contains all functions that access the seller db

username

password

location

item1 string

Quantity1 int

cost1 float64

buyer\_db.go – Contains all functions that access the buyer db

username

password

### Seller: Pallavi

### Templates - Pallavi

**REST API: - need to connect to CRUD operations performed by buyer/seller- otherwise its just a solitary entity**

items.go – Functions to perform CRUD operations for current seller (has its own template) . This can be API using JSON, and talks to session manager. Also talks to seller\_db.go to perform operations on database.

### Buyer:

cartitemlist.go – Contains the linked list functions to maintain the list of items in the shopping cart for each buyer in a linked list, and perform add, delete, view and update on linked list items

Cart.go – Contains all functions to view and maintain the cart such as displaying the shopping cart items( calls linked list functions in cartitemlist.go), adding/deleting items and viewing total cost (has its own template)

Checkout.go – Contains all functions before checkout such as deleting or updating items, cancel checkout and confirm checkout (calls linked list functions in cartitemlist.go), (has its own template). Upon checkout, the seller\_db must be updated, for each seller, and item, respective quantity must be subtracted from the db. And linked list is emptied after successful checkout.

## High-Level Timeline/Schedule

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| --- | --- |
| Tip icon | *Describe what the high level timeline/schedule will be to plan, design, develop and deploy the project. Generally, by when do you expect this project to be finished?* |

# Approval and Authority to Proceed

We approve the project as described above, and authorize the team to proceed.

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| Name | Title | Date |
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| Approved By |  |  | Date |  | Approved By |  |  | Date |