Cognizant Academy

truYum

SQL Specification Document

Version 1.0

	Prepared By / Last Updated By	Reviewed By	Approved By
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Signature			
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1.0 Introduction

1.1 Purpose of this document

The purpose of this document is to define the database implementation of the truYum application. The GenC's has to create the schema for truYum insert some test data and create queries for retrieving and saving data.

1.2 Definitions & Acronyms

Definition / Acronym	Description
SQL	Structured Query Language

1.3 Project Overview

Refer truYum-use-case-specification.docx for understanding the functionality and features.

1.4 In Scope

1. Creation of Schema

2. Write SQL queries to retrieve menu item and cart data

3. Write SQL queries to save menu item details

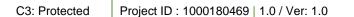## 1.5 Intended Audience

- Product Owner

- Scrum Master

- Application Architect

- Project Manager

- Test Manager

- Development Team

- Testing Team

1.6 Hardware and Software Requirement

1. Hardware Requirement:

a. Developer PC with 8GB Ram

2. Software Requirement

a. SQL Server Management Studio 2012/2014

2.0 Database Design

2.1 ER Diagram

Design ER diagram for implementing the truYum use cases.

3.0 Schema creation and SQL

3.1 Create Schema

Create schema based on the ER diagram specified in the previous section. Name this schema creation script file as schema.sql.

3.2 Queries for truYum Use Cases

Frame select queries all use case of truYum. Store all the SQL queries in the file mentioned below.

File Name: data.sql

1. View Menu Item List Admin (TYUC001)

    a. Frame insert scripts to add data into menu_item table. Refer View Menu Item List Admin screen shot from Web UI Specification for sample data.

    b. Frame SQL query to get all menu items

2. View Menu Item List Customer (TYUC002)

    a. Frame SQL query to get all menu items which after launch date and is active.

3. Edit Menu Item (TYUC003)

    a. Frame SQL query to get a menu items based on Menu Item Id

    b. Frame update SQL menu_items table to update all the columns values based on Menu Item Id

4. Add to Cart (TYUC004)

     a. Frame insert scripts for adding data into user and cart tables.In user table create two users. Once user will not have any entries in cart, while the other will have at least 3 items in the cart.

5. View Cart (TYUC005)

     a. Frame SQL query to get all menu items in a particular user's cart

     b. Frame SQL query to get the total price of all menu items in a particular user's cart

6. Remove Item from Cart (TYUC006)

     a. Frame SQL query to remove a menu items from Cart based on User Id and Menu Item Id

4.0 Standards and Best Practices

- Table name should be a noun and should not be plurals. Separate each word with underscore (Examples: employee, credit_card)
- Each table should have 'id' column as primary key and should be an auto increment column
- Columns name words should be separated by underscore.
- Foreign key column should have referencing table name suffixed by "_id" (Example: department id foreign key column in employee table should be named as department_id)

5.0 Change Log

	Changes Made			
V1.0.0	Initial baseline created on <dd-Mon-yy> by <Name of Author>			
Vx.y.z	<Please refer the configuration control tool / change item status form if the details of changes are maintained separately. If not, the template given below needs to be followed>			
	Section No.	**Changed By**	**Effective Date**	**Changes Effected**