Cognizant Academy

truYum

SQL Specification Document

Version 1.0

	Prepared By / Last Updated By	Reviewed By	Approved By
Name	Chandrasekaran Janardhanan	Vimalathithan Krishnan	Ramadevanahalli Lingachar, Shashidhara Murthy
Role	Learning Solution Designer	Learning Solution Architect	Learning Solution Lead
Signature			
Date	23 May 2019	23 May 2019	17 Jun 2019

Cognizant

Table of Contents

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
GenC	Generation Cognizant – Refers to the fresh graduates whom had recently joined Cognizant

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:

Cognizant

a. Developer PC with 4GB Ram

2. Software Requirement

   a. MySQL Community Server 8

   b. MySQL Workbench 8

2.0 Database Design

2.1 ER Diagram

Design the ER Diagram for truYum application and save the mwb file in the following folder:

`truYum\sql\truyum.mwb`

3.0 Schema creation and SQL

3.1 Create Schema

Create the schema creation script based on the mwb file created. Place the SQL script for schema creation in the following folder:

`truYum\sql\truyum-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: `truYum\sql\truyum-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 below for sample data.

Cognizant

Menu Items

Name	Price	Active	Date of Launch	Category	Free Delivery	Action
Sandwich	Rs. 99.00	Yes	15/03/2017	Main Course	Yes	Edit
Burger	Rs. 129.00	Yes	23/12/2017	Main Course	No	Edit
Pizza	Rs. 149.00	Yes	21/08/2017	Main Course	No	Edit
French Fries	Rs. 57.00	No	02/07/2017	Starters	Yes	Edit
Chocolate Brownie	Rs. 32.00	Yes	02/11/2022	Dessert	Yes	Edit

Copyright © 2019

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

Cognizant

4.0 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**