



**TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES
TAGUIG CAMPUS**

Bachelor of Technical Vocational Teacher Education
Basic Arts and Sciences Department

Data Dictionary

ITSD220-T – System Analysis and Design

Output 17

PROJECT NAME	Red Oscar POS Inventory Management System		
CLIENT	Red Oscar Japanese-Filipino Food House		
DURATION	3 months & 2 weeks		
START DATE	6/12/25	END DATE	8/01/25
DESCRIPTION	<p>The Red Oscar POS Inventory Management System is a desktop or web-based application designed to streamline the sales and business operations of a store. The system aims to automate transactions, manage product availability, and generate essential business reports, providing real-time insights for both cashiers and store managers.</p>		



Users_Table

USER		
Column Name	Data Type	Description
ID	INT	Primary key; unique identifier for each user.
Username	VARCHAR(50)	User's login name.
Email	VARCHAR(100)	User's email address.
Password	VARCHAR(255)	Hashed password.
role	ENUM	Role of the user.
status	ENUM	Status of the user account.
Created_at	TIMESTAMP	Time the user was created.
Updated_at	TIMESTAMP	Time the user was last updated.

MENUITEMS		
Column Name	Data Type	Description
menu_item_id	INT	Primary key; unique ID of the menu item.
menu_name	VARCHAR(255)	Name of the menu item.
description	TEXT	Description of the item.
price	DECIMAL(10,2)	Price of the item.
category_id	INT	Foreign key to the category.
image_url	VARCHAR(255)	URL or path to the image.
is_available	TINYINT(1)	1 = available, 0 = not available.
created_at	TIMESTAMP	Item creation timestamp.
updated at	TIMESTAMP	Last updated time.

CATEGORIES		
Column Name	Data Type	Description
category_id	INT	Foreign key to the category.
image_url	VARCHAR(255)	URL or path to the image.
is_available	TINYINT(1)	1 = available, 0 = not available.
created_at	TIMESTAMP	Item creation timestamp.
updated_at	TIMESTAMP	Last updated time.



ORDERS

Column Name	Data Type	Description
order_id	INT	Primary key; order identifier.
customer_id	INT	Foreign key to the user who placed the order.
order_date	TIMESTAMP	Date and time of the order.
total_amount	DECIMAL(10,2)	Total price of the order.
status	ENUM	Current order status.
payment_method	VARCHAR(50)	Payment type (e.g., 'Cash', 'GCash').
created_at	TIMESTAMP	Order creation time.
updated_at	TIMESTAMP	Order update time.

REPORTREQUEST

Column Name	Data Type	Description
request_id	INT	Primary key for the report request.
requester_user_id	INT	The user who requested the report.
cashier_user_id	INT	The cashier associated with the report.
report_type	VARCHAR(100)	Type of report (e.g., Sales, Inventory).
start_date	DATE	Starting date of the report.
end_date	DATE	Ending date of the report.
additional_notes	TEXT	Extra comments or instructions.
request_date	TIMESTAMP	Time the request was made.
status	ENUM	Current status of the report request.

REFUNDS

Column Name	Data Type	Description
refund_id	INT	Primary key; refund identifier.
transaction_id	INT	Related transaction.
refund_amount	DECIMAL(10,2)	Amount to be refunded.
reason	TEXT	Explanation for the refund.
refund_date	TIMESTAMP	Date of the refund.
status	ENUM	Refund status.
processed_by_user_id	INT	Admin/staff who handled the refund.
notes	TEXT	Additional internal notes.
created_at	TIMESTAMP	When the refund was requested.
updated_at	TIMESTAMP	When the refund record was updated.



TRANSACTIONS

Column Name	Data Type	Description
transaction_id	INT	Primary key; transaction ID.
order_id	INT	Foreign key to the related order.
cashier_user_id	INT	Cashier who handled the transaction.
transaction_date	TIMESTAMP	Time of the transaction.
amount	DECIMAL(10,2)	Total transaction amount.
payment_method	VARCHAR(50)	How the customer paid (e.g., Cash, Card).
status	ENUM	Transaction status.
reference_number	VARCHAR(25)	Reference or receipt number.
created_at	TIMESTAMP	When the transaction record was created.
updated_at	TIMESTAMP	When the transaction record was updated.