

ONLINE ORDERING FOR UNIVERSITY OF WASHINGTON DINING

University of Washington's campus dining services is the main business or organization used for the database application being created. The university has multiple dining locations with a variety of different cuisines across the campus. Currently, the customers can go to the dining locations, stand in queue, and order their food. If the preparation time is longer then the customers must wait till the time the food the prepared.

The goal of the project is to create a database that mainly focuses on providing information about all the restaurants on the campus allowing customers to order online. Students, faculty and all the customers can order ahead and save time by browsing menus, placing orders, and paying online. The customers have an option to pick up orders without waiting in the queue. Multiple payment methods such as dining account, Husky card or credit card would be beneficial. Overall, the aim is to enhance the dining experience on campus by providing convenient ordering process.

Main entities that were identified -

CUSTOMER	Represents individuals who visit or order from the restaurant.
FOOD_ITEMS	Represents the various dishes and items available on the restaurant's menu.
ORDER	Represents information about specific customer orders.
RESTAURANT	Represents the individual restaurants or dining locations.
MENU	Describes the menu offered by a specific restaurant.
INVENTORY	Tracks the stock of ingredients and food items available in the restaurant.
PAYMENT	Represents the various methods by which customers can make payments for their orders.
REVIEWS	Stores customer feedback and ratings for both the restaurant and specific food items.
FOOD_ITEM_TYPE	The type of food item for example beverage, fast food, etc.
EMPLOYEE	Represents the staff working at the restaurant.

Business Rules –

- Each customer can place multiple orders.
- One order can be placed by one customer.
- Each customer can give multiple reviews.
- Each review can be given by one customer.
- Multiple food items can be ordered in one order.
- Multiple orders can consist of one food item.
- Multiple orders can be placed in one restaurant.
- One order can be placed in one restaurant.
- Each order can have one payment.
- One payment will be linked to an order.
- Each restaurant will have one menu.
- Each menu will be associated with one restaurant.

Each restaurant will have one inventory.

Each inventory will be associated with one restaurant.

One restaurant can have multiple reviews.

Each review will be associated with one restaurant.

One menu can have multiple food items.

The food item would be a part of one menu.

Each inventory consists of multiple food items.

One food item would be a part of one inventory.

One food item type would have multiple food items.

Each food item would be a of a food item type.

One employee can handle many orders.

Each order will be handled by one employee.

Many employees can work in one restaurant.

Each employee will work at one restaurant.

ER Diagram –

