

Test Project Desktop

HovSedhep POS System

Introduction

The **HovSedhep POS System** is a streamlined desktop application designed to help waitresses manage daily tasks more efficiently. With a simple interface, the app makes it easy to assign tables to customers by showing real-time table availability, allowing for quick seating decisions and better service flow.

Staff can also browse the complete menu within the app, including item descriptions and prices, to assist customers accurately. Additionally, the app includes a view-only transaction history feature, allowing staff to reference past orders for record-keeping or quick checks when needed. This combination of features ensures smoother operations and a more organized dining experience at HovSedhep Restaurant.

Contents

This Test Project consists of the following files/folders:

1. TP_Desktop_LKSProvinci_2025.pdf
2. HovSedhepDatabase.sql

Deliverables

1. You are expected to submit your Desktop Application Project in **compressed (zip)** format.
2. You must name your desktop project as: HovSedhep**XX**, where **XX** is your **PC number**.
3. You do not need to submit your database file because the assessment will be done using the given original database.
4. Failure to fulfil the above requirements may affect your assessment results.

Entity Relationship Diagram

The following are Entity Relationship Diagram (ERD) of the HovSedhep POS System.

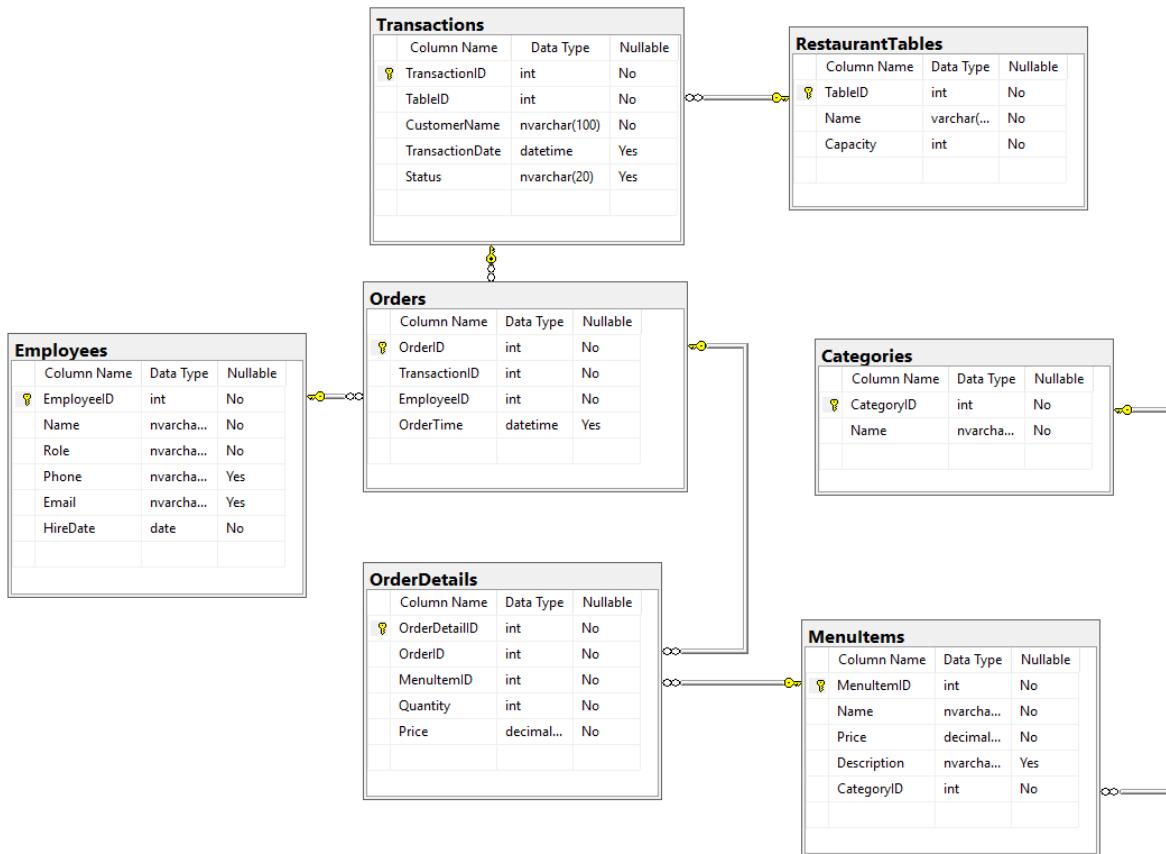
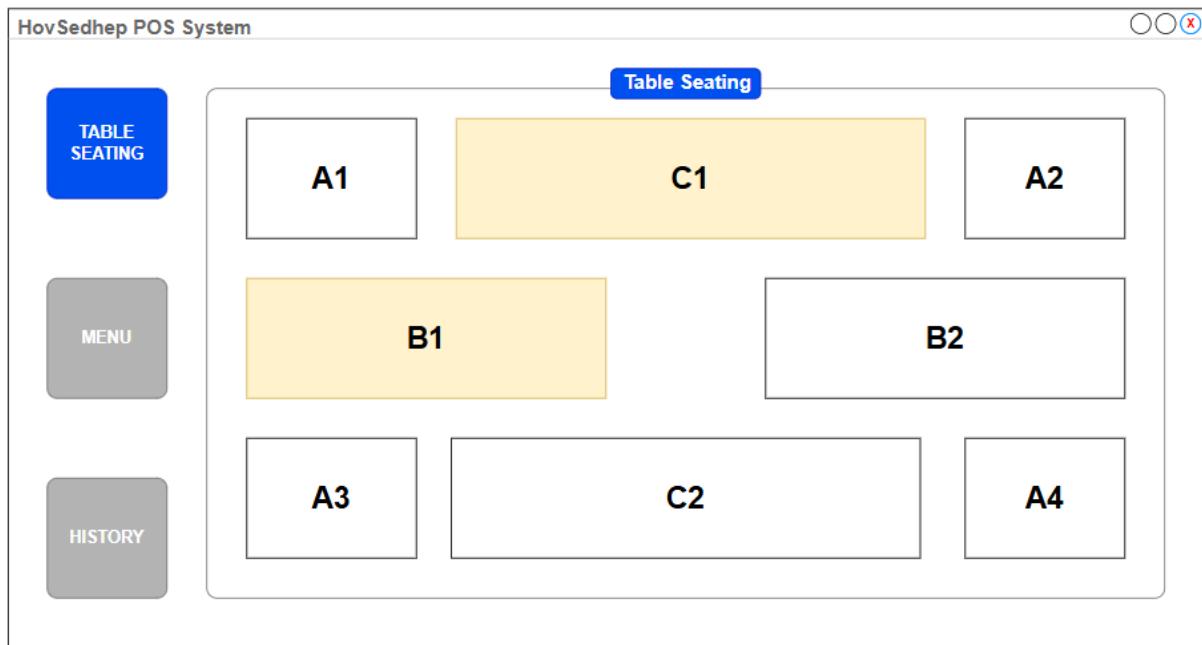


Figure 1. ERD of HovSedhep POS System

Application Requirements

1. Main Menu: Table Seating

- This menu provides a visual map of the restaurant layout, displaying the real-time status of each table. Tables that are currently occupied by customers are highlighted in yellow for easy identification. Please note that the position of the table arrangement is fixed.



- When a waitress clicks on an empty table, a registration form appears to assign a customer. The form requires the customer's name, number of pax (1-6), and the waitress's name.
- Ensure the table accommodates the number of pax based on its capacity. For efficiency, seat customers at the closest available capacity (e.g., 3 people should be seated at a table for 4, not 6). Note: Table splitting is not available.

The dialog box is titled 'Assign Table - [Table Name]' and contains three input fields: 'Waitress' (dropdown menu), 'Customer Name' (text input), and 'Pax Size' (spin box). At the bottom are 'OK' and 'Cancel' buttons. There is also a close button in the top right corner.

- If a waitress clicks on an occupied table, the app will display the current customer information. From there, the waitress can either cancel the seating or mark the table as finished.

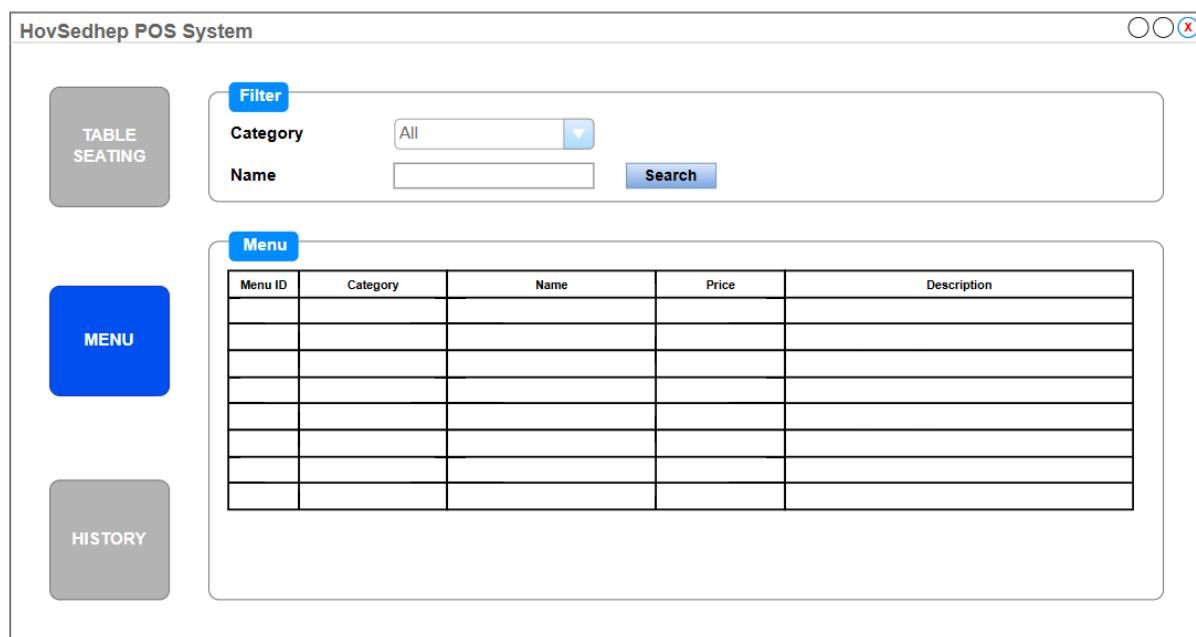


The form is titled "Table Seating Detail - [Table Name]" and contains three input fields: "Waitress", "Customer Name", and "Pax Size". Below the fields are two buttons: "Cancel Table" (orange) and "Finish Table" (green).

- Please note that the app currently does not include a feature for taking customer orders. As a result, the app only logs basic transaction data in the database—such as seating assignments—without tracking specific orders or order details.

2. Main Menu: Menu

- The **Menu** section displays the complete list of food and beverage items available at HovSedhep Restaurant.



The main menu screen for "HovSedhep POS System" features a sidebar with three buttons: "TABLE SEATING" (grey), "MENU" (blue), and "HISTORY" (grey). The central area has a "Filter" section with dropdowns for "Category" (set to "All") and "Name", and a "Search" button. Below this is a "Menu" table with columns: Menu ID, Category, Name, Price, and Description. The table has 10 empty rows.

- Each menu item is presented with its ID, category, name, price and description, allowing waitresses to easily reference the offerings when assisting customers.

- To enhance efficiency, waitresses can filter the menu by its category or search for it by name. The "All" filter option shows the entire menu, regardless of category, providing a quick way to view everything available. Meanwhile, the search feature supports partial matches, meaning waitresses can find items even if they only know part of the dish's name.

3. Main Menu: History

- The Menu History section allows waitresses to view all transaction records for a selected date.

The screenshot shows the HovSedhep POS System interface. On the left, there are three large buttons: 'TABLE SEATING' (grey), 'MENU' (grey), and 'HISTORY' (blue). The 'HISTORY' button is highlighted. To the right, there are four sections: 'Filter' (with Date set to 'Today' and Table Name set to 'All', with an 'Apply' button), 'Transaction' (a table with columns: Transaction ID, Table Name, Customer Name, Date, Total Price), 'Order' (a table with columns: Transaction ID, Order ID, Order Time, Input By Waitress, Number of Item Ordered), and 'Order Detail' (a table with columns: Order ID, Order Detail ID, Menu Name, Quantity, Price).

- To help manage and search through the data, waitresses can filter the results based on the table name, making it easy to find specific transactions.
- Each transaction includes key details such as the transaction ID, table name, customer name, date (formatted like 21 April 2025), and the total price.
- Each transaction also displays detailed order history. Customers may place multiple orders, each assigned to different waitresses they encounter during their visit. For each order, the data displayed includes the transaction ID, order ID, order time (only shows the time, for example 15:30:23), the name of the waitress who took the order, and the number of menu items requested in the order.
- Each order can consist of multiple menu items. The data shown for each menu item includes the order ID, order detail ID, menu name, quantity, and price.

- Every time a waitress selects a transaction; the system will automatically display the associated orders and order details for that transaction. When the waitress changes the selected order, the system will update to show the details for the selected order. By default, the system will automatically select the first transaction record and its first associated order.