**Conestoga College**

**Reporting Systems and Database Development**

**(1517)**

**Implementing Data Security (PROG8640)**

**Group Project**

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**AUG 14, 2022**

**Restaurant Management System**

Restaurant Management System is a web application for restaurants to manage their orders for both dining and take-out orders. This application can handle both users and admin. In person dining would need to capture table numbers, seat numbers, reservations and so on. Both would also need to capture order number, Date/time placed, date/time served, cost of food, cost of drinks.

**Languages used:**

Front end: Html, Css, Javascript

Database: MySQL

Backend: Php

Breaching Technique: SQL injection

**Objective**

Objective of this section is to just develop a web application which can handle all day-to-day operations of Restaurant for instance booking new orders, items price list, tables booking etc.

This Website has 2 main pages.

1 is for Admin (Only admin can login to this page and do operations regarding to payment and settling orders)

2 page is for all the users who want to book the tables in advance and includes food items. They can also take out the food as well.

We will then try to breach the website using SQL injection and discuss the way to cure it.

Available pages in the application:

**Login Page:**

Users can login here using their name and phone number.

Graphical user interface, application

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After submitting these data, move to next page which can see Dine In Order, Takeaway Order, Reserve Table, My Order and Logout Tabs.

Graphical user interface

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**Dine In Order**

For placing the Dine In Order, clicking on the Dine In Order tab, we can find this page. Enter corresponding data to the input field. Then you can see the amount you want to pay and submit it.

Graphical user interface, table

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**Takeaway Order Page**

For place Take Out Order, open corresponding page and enter data into the input field such as food order and drink order.

Graphical user interface

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**Reserve Table Page**

For Reserving your table, click on the tab and enter you wanted table details into the input field and submit the page.

Graphical user interface, application

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**My Order Page**

Finally, we can see the order details with all entered data. It’s available in My order page.

Graphical user interface, table, website

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**Admin Page:**

The restaurant owner is the admin. He or she can login the page.

Only admin can login with the his credentials.

Graphical user interface, website

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After login admin can see which are the new orders.He can do by clicking the new order.Admin can mark order as pad .

Graphical user interface

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Also by clicking on order History ,we can get the all orders completed.

Graphical user interface

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**Database :**

We have created one database with the 4 tables .Name of the database is ‘restaurentmanagment’. And four tables names are

A screenshot of a computer

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When we click on Adminlogin – It will show us all the active admins for restaurant manager website.

As we can see as of now we have 2 admins – admin and KirtSwatch. To add new admin user – click in insert and add details

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Similarly, we have userlogin details db as well as this will store all the users who entered in our website to book tables or food.

Graphical user interface, application

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**References**

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