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CST 363
Project: part 2 documentation
October 7, 2019

Overview

The purpose of this website is to provide a database that shows which orders has been placed for the Zimino Italian cuisine restaurant. This application provides a website with a main webpage, a connect webpage and a menu webpage. In addition to a webpage for the customer to place an order. Another website for the customer to change the customer's order. A website for the customer to cancel his or her order and another website that shows all the orders by the customers.

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Part 1: Project description

1. **The MySQL Tables for this project:**

customer table:

customer_id	Int unsigned not null_auto increment primary key
first	Tinytext - first name
last	Tinytext - last name
ordered_id	FOREIGN KEY(ordered_id) REFERENCES ordered (ordered_id)

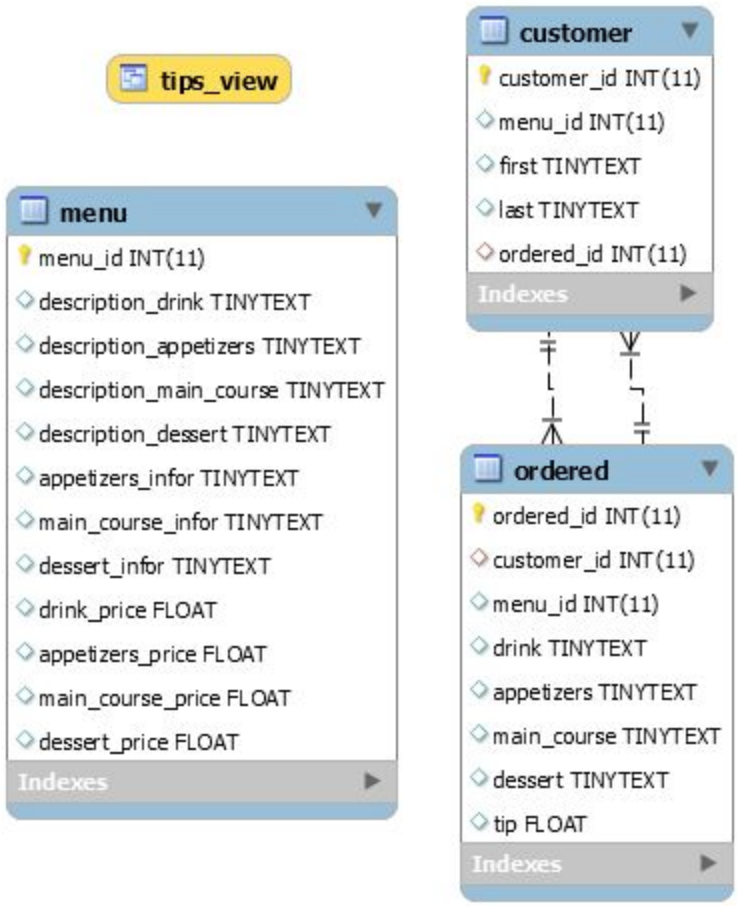
menu table:

menu_id	Int unsigned not null_auto increment primary key
description_drink	Tiny text - drinks from the menu
description_appetizers	Tiny text - appetizers from the menu
description_main_course	Tiny text –main courses from the menu
description _dessert	Tiny text – desserts from the menu
appetizers_infor	Tiny text - appetizers information from the menu
main_course_infor	Tiny text –main courses information from the menu
drink_price	Float drink price
appetizers_price	Float appetizers price
main_course_price	Float main course price

ordered Table:

ordered_id	Int unsigned not null_auto increment primary key
customer_id	Int unsigned not null_auto increment foreign key FOREIGN KEY(customer_id) REFERENCES Customer (customer_id) (If the value of the customer_id is zero, then the order has not been placed. If the value of the customer_id is greater than zero, then the order is placed.)
drink	tinytext
appetizers	tinytext
main_course	tinytext
dessert	tinytext
tip	float (use View)

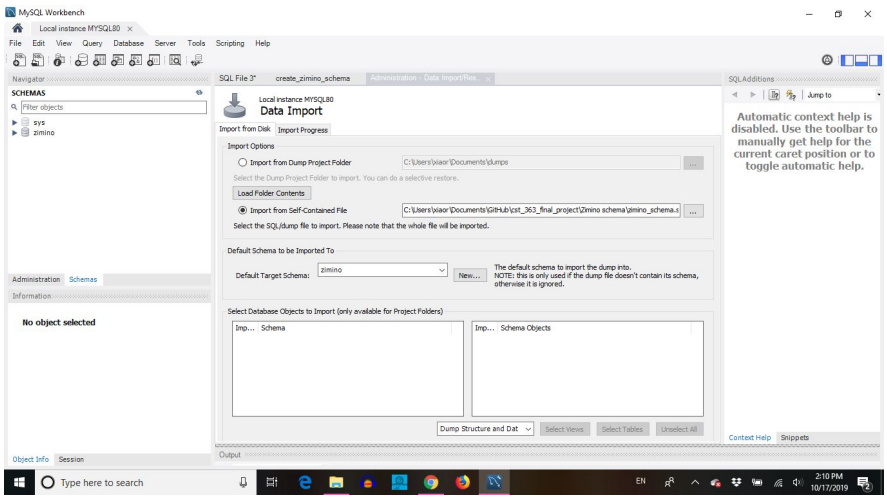
2. **Entity-relationship (ER) diagram:**



3. **Normalization**
    a. This is a normalized design. There are three tables in the Zimino schema. The customer table is used to store the customer's first and last name. The menu table is used to store the Zimino restaurant's menu items. The ordered table is used to store the customer's orders. The tables are limited to a different purpose to reduce the redundancy of the data in the Zimino database.

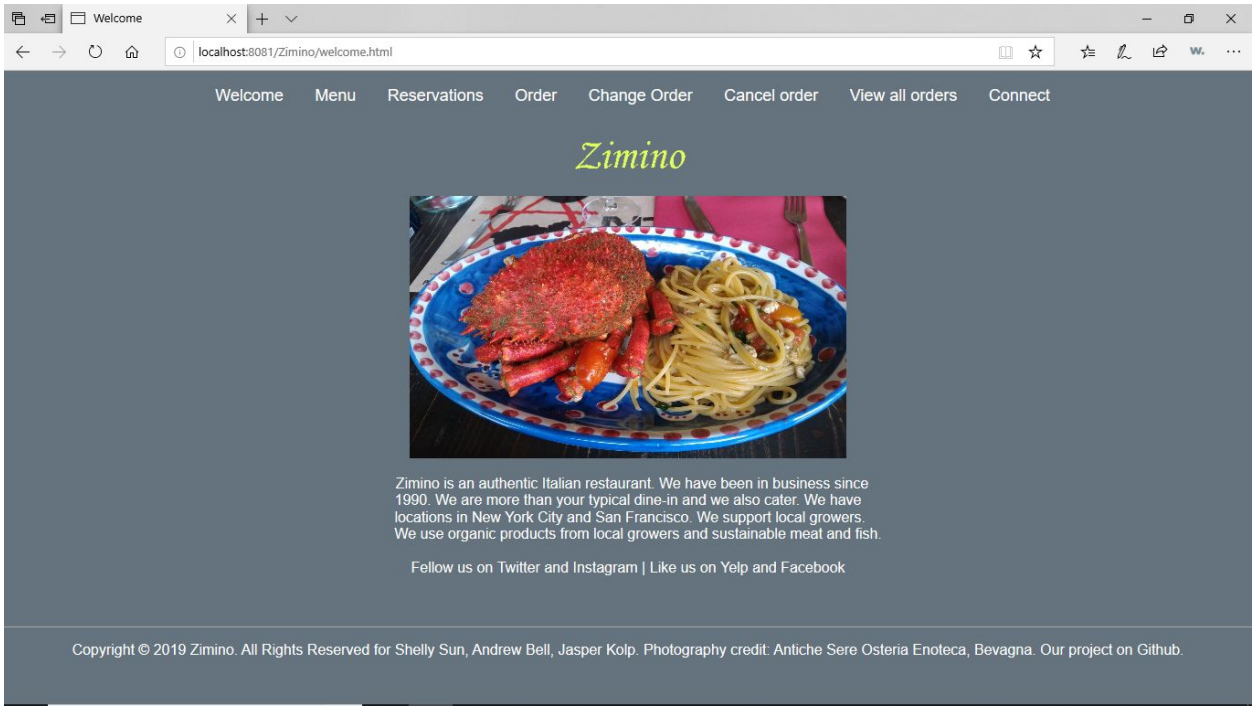
Part 2: How to use the program

1. **System requirements:**
    a. Software
        i. Eclipse enterprise version
        ii. Apache Tomcat 8.5 or Apache Tomcat 9.0
        iii. MySQL Workbench 8.0
        iv. MySQL JDBC driver
        v. Windows 10
        vi. Java JRE Server 8
2. **Running this project:**
    a. In MySQL workbench from the Zimino schema folder:
        i. Run create_zimino_schema.sql to initialize the zimino schema.
        ii. Import the zimino tables:
            1. Click on Server, from the drop down list, select Data Import then select Import from Self-Contained File, and import the zimino_schema.sql into the zimino database. Click on the Import Progress tab and the Start Import button to import the zimino_schema.sql file into the Zimino database. This initializes the tables, populates the tables with data and creates a view in the ordered table.



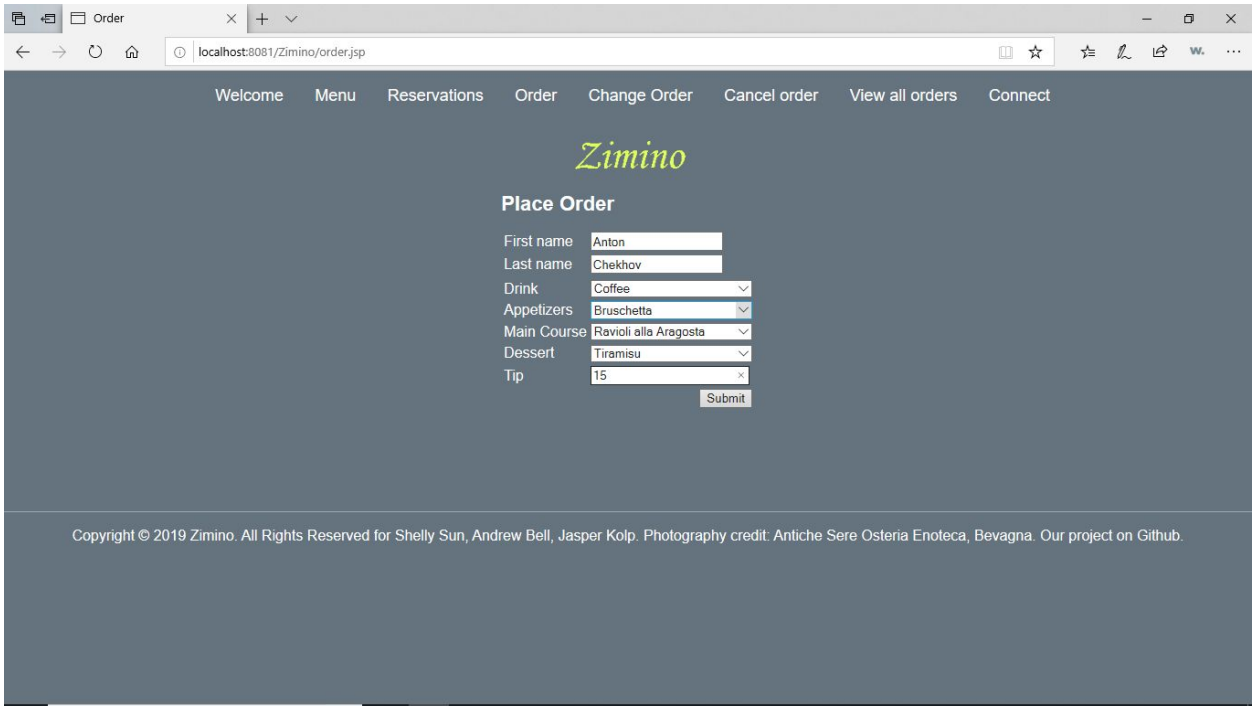
    b. In Eclipse enterprise version:
        i. Import the Zimino folder to initialize the Zimino website project.
            1. Change the passwords in Cancel.java, Order.java, Ordered.java, Select_cancel.java, updatedOrder.java, order.jsp, and updateOrder.jsp.
            2. Run the welcome.html webpage to initialize the Zimino database website.

3. Description of the websites with screenshots:

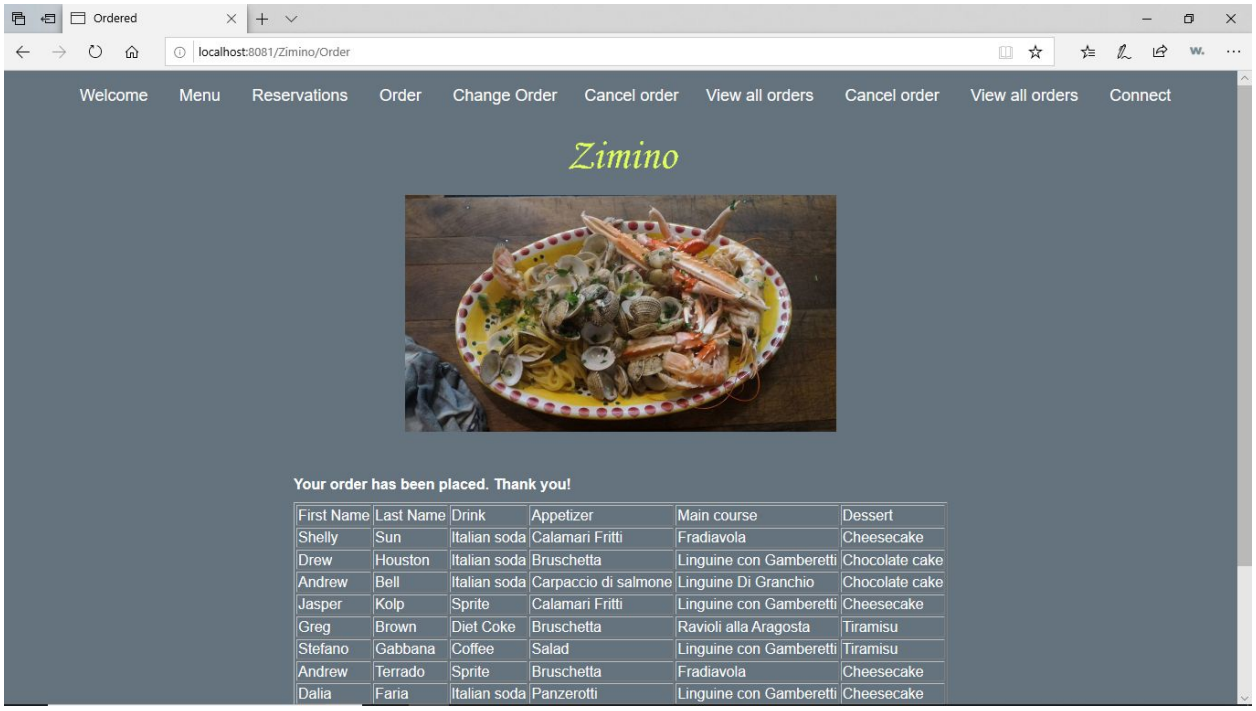


Welcome webpage: This is the main page of the Zimino restaurant database website.

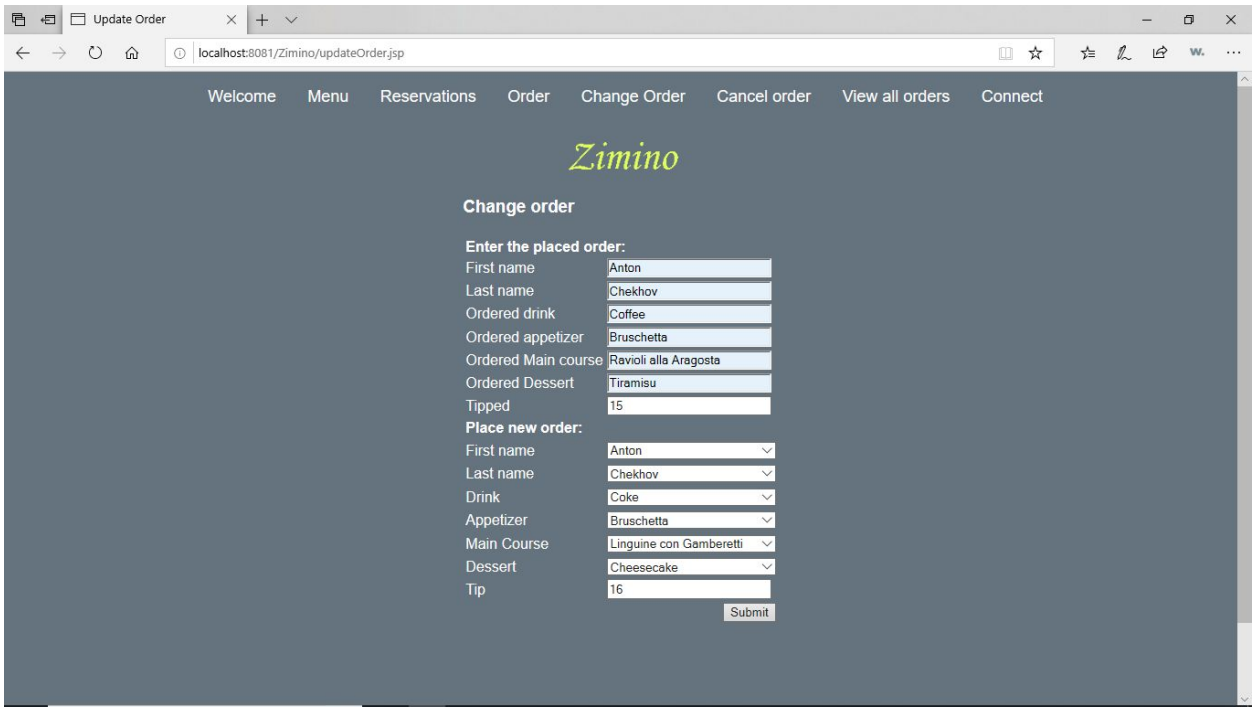
Menu webpage: This is the menu of the Zimino restaurant database website.



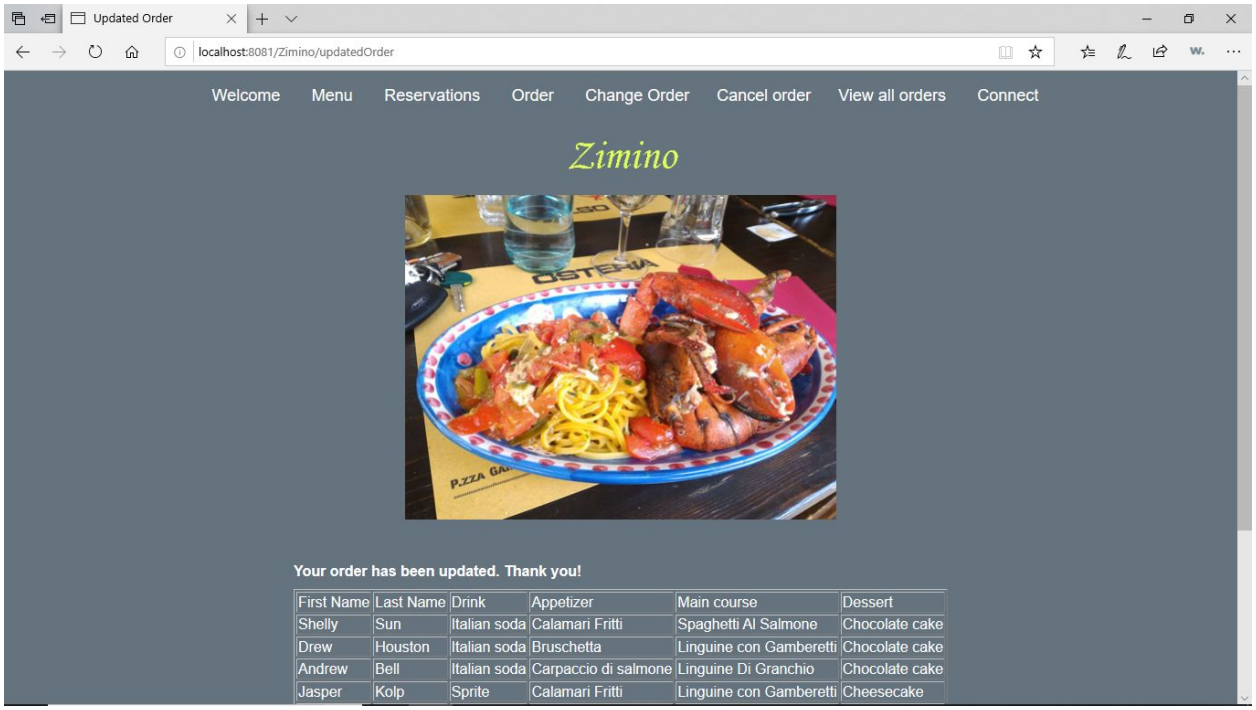
Order webpage: The user can enter his or her first and last name and tip amount in the text box. The user can select from the drop down box of the food items he or she decides to order. The data in the drop down box are retrieved from the menu table. After the user enters his or her information and selects his or her order then the user can use the submit button to place an order.



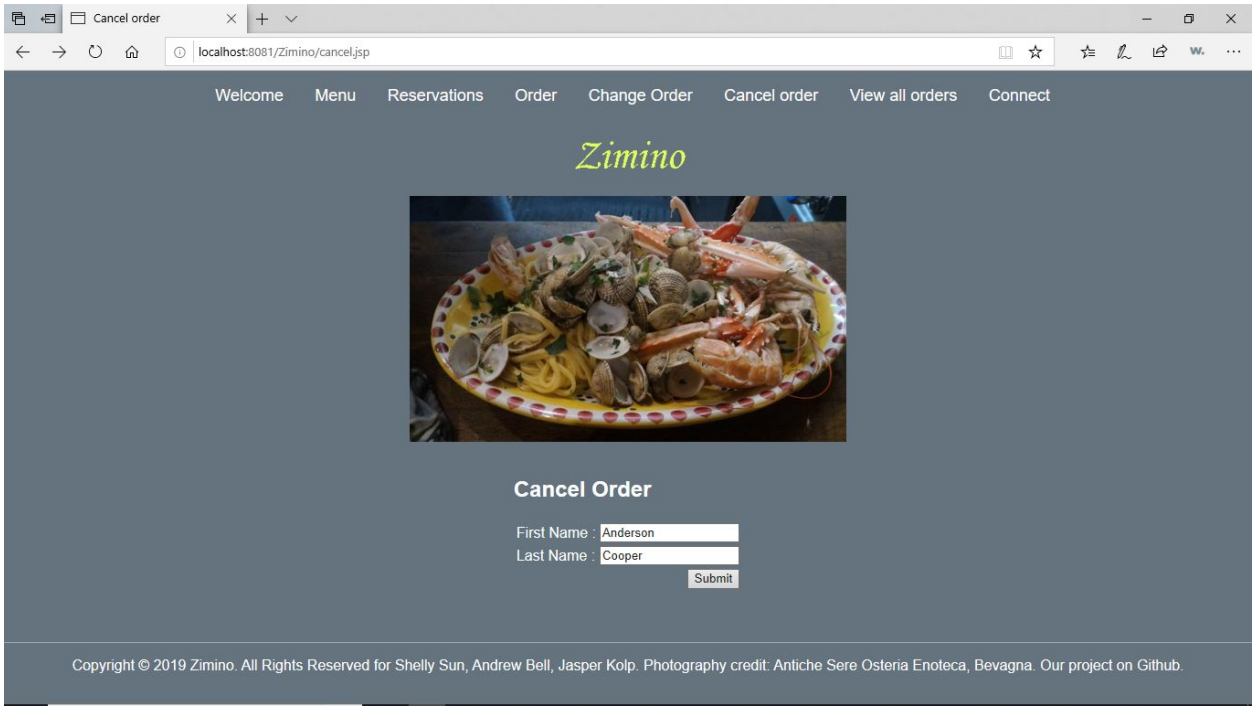
Order Java servlet webpage: The new user's information and order is retrieved from the Zimino database. This webpage displays the new user's information and the new order that has been placed. This website also displays all user's name and all the orders that have been placed.



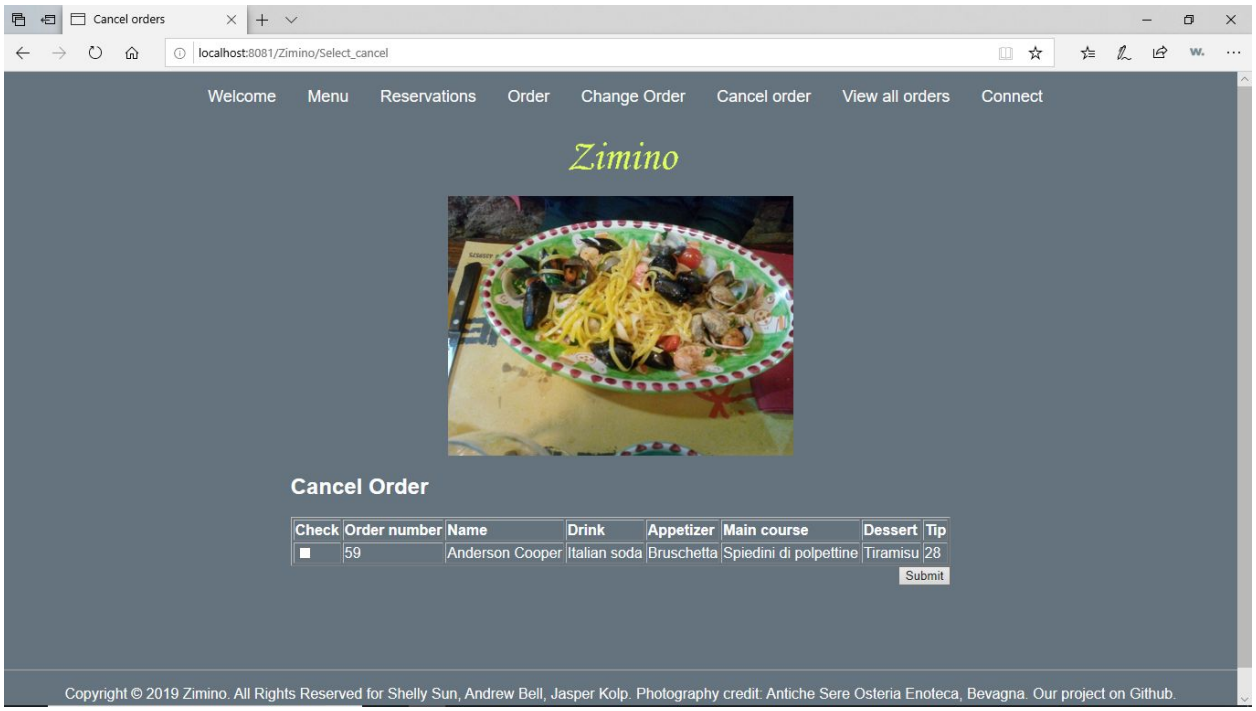
Change orders webpage: This is the change orders webpage. The user can enter his or her previous order in the text box. Then select his or her new order in order to update his or her previous order. The data in the drop down box are retrieved from the customer table and the menu table. Then the user can use the submit button to update his or her order.



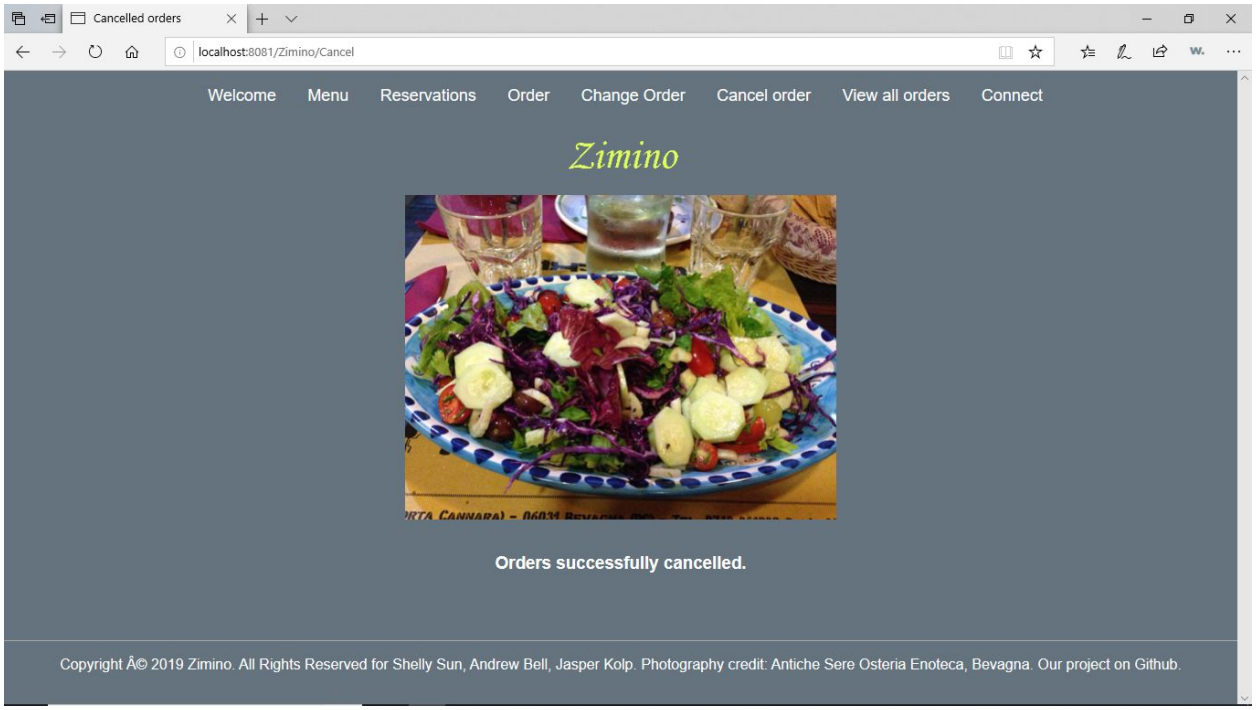
Updated order Java servlet webpage: This website displays the updated dated order the user added. This webpage also displays all the order that has been placed and the user's information.



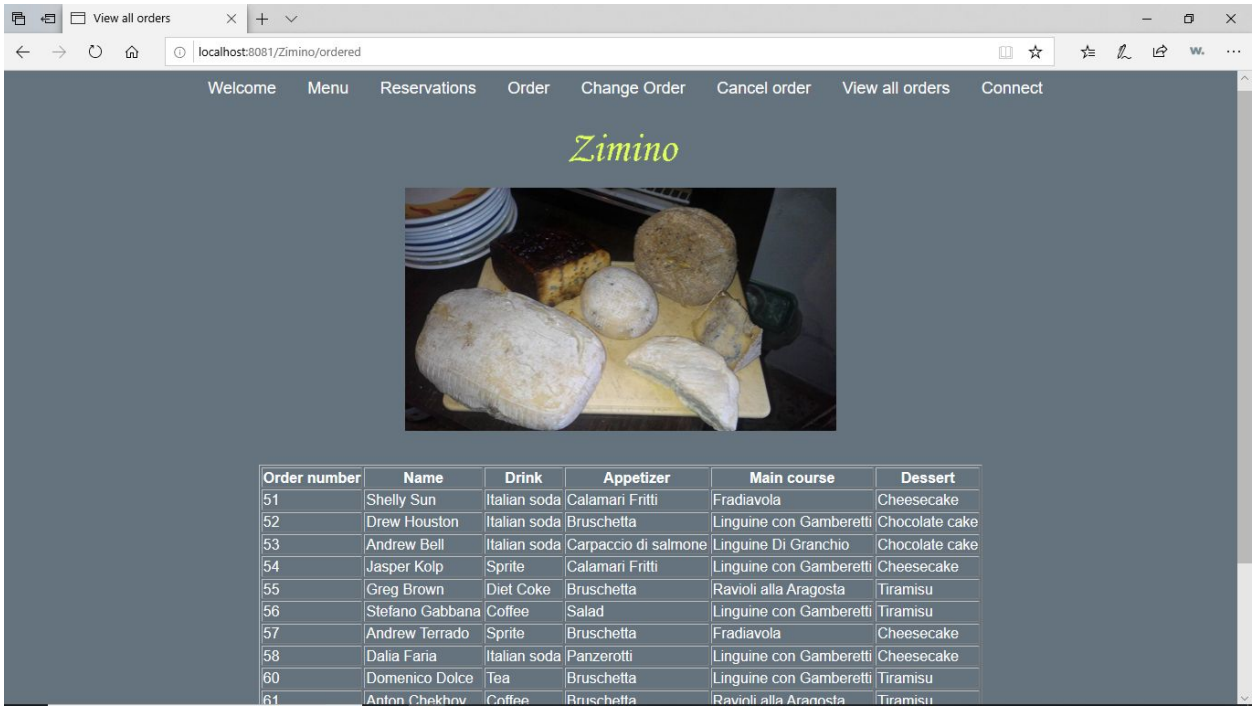
Cancel order webpage: The user can enter his or her first name and last name to cancel his or her order. After the user enters his or her first and last name, then the user can use the submit button to cancel his or her order.



Select cancel Java servlet webpage: In this web page, the user can select the order the user wants to cancel and use the submit button to process canceling his or her order.

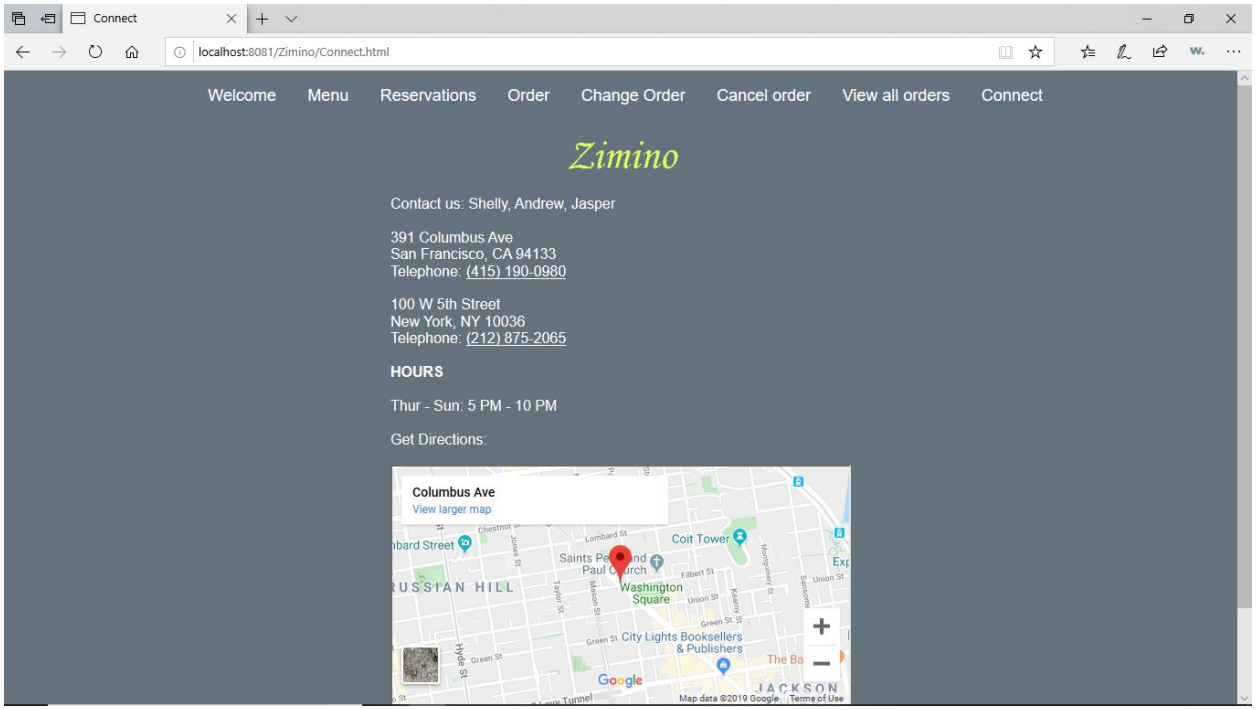


Order cancelled Java servlet webpage: This webpage displays a message stating that the order(s) has been cancelled.



Order number	Name	Drink	Appetizer	Main course	Dessert
51	Shelly Sun	Italian soda	Calamari Fritti	Fradiavola	Cheesecake
52	Drew Houston	Italian soda	Bruschetta	Linguine con Gamberetti	Chocolate cake
53	Andrew Bell	Italian soda	Carpaccio di salmone	Linguine Di Granchio	Chocolate cake
54	Jasper Kolp	Sprite	Calamari Fritti	Linguine con Gamberetti	Cheesecake
55	Greg Brown	Diet Coke	Bruschetta	Ravioli alla Aragosta	Tiramisu
56	Stefano Gabbana	Coffee	Salad	Linguine con Gamberetti	Tiramisu
57	Andrew Terrado	Sprite	Bruschetta	Fradiavola	Cheesecake
58	Dalia Faria	Italian soda	Panzerotti	Linguine con Gamberetti	Cheesecake
60	Domenico Dolce	Tea	Bruschetta	Linguine con Gamberetti	Tiramisu
61	Anton Chekhov	Coffee	Bruschetta	Ravioli alla Aragosta	Tiramisu

View all orders Java servlet webpage: This webpage displays all the orders that has been placed. The data is from the customer and ordered table.



Connect webpage: This is the contact us webpage. This webpage uses the html 5 feature iframe to display Google Maps inside of this webpage.

Part 3: Team

Shelly Sun	Documentation Welcome webpage Menu webpage Order webpage Order Java servlet webpage Change orders webpage Updated order Java servlet webpage Connect webpage Header Footer Css (vast majority) Added a photo to every page Zimino Database Schema Also worked on a little of the other servlets and webpage
Jasper Kolp	Cancel order webpage Select cancel Java servlet webpage Order cancelled Java servlet webpage View all orders Java servlet webpage: Jasper/Bell
Andrew Bell	View all orders Java servlet webpage: Jasper/Bell

Part 4. Source code on Github

https://github.com/catwfiddle/ziminoRestro

Part 5: Reference

Reference

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