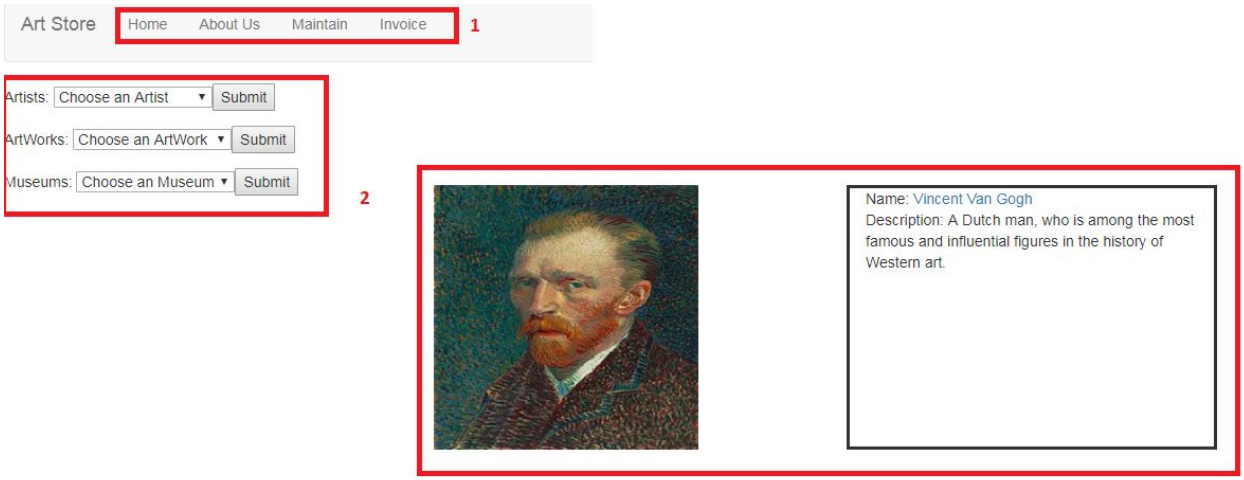
Group 36
Andrei Korac 500702565
Zafar Ali 500688075
Melanie Hum 500715410

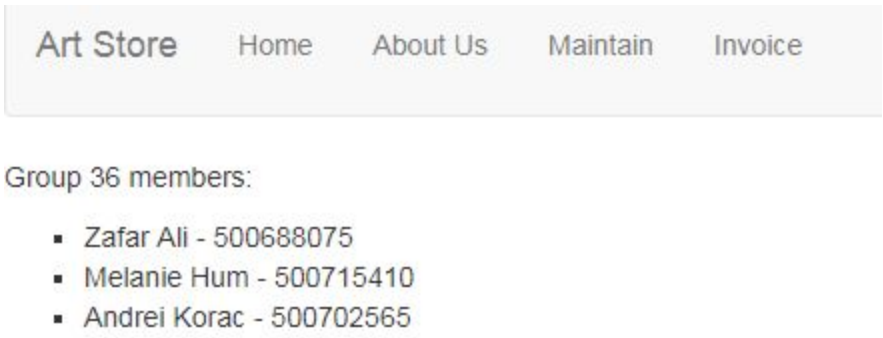
Assignment 2 Iteration 2 Technical Report

Main Page:



1. Different pages can be accessed via the navigation bar
2. Drop downs allow user to select either Artists, Artworks, or Museums. The relevant information appears in the centre of the screen. If the name of the Artist, Artwork, or Museum is selected, a larger box appears containing more detailed information about the selected item

About Page:



This page simply contains group information.

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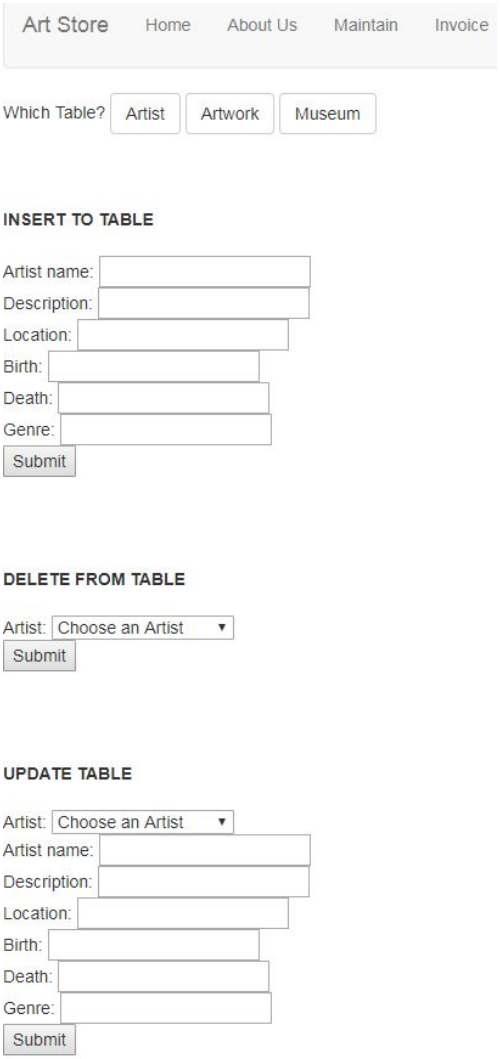
Maintain Page:



The Maintain page contains three buttons allowing the user to select a record table.

Once one has been selected, user may Insert, Delete, or Update the selected table. In the screenshot provided, user is editing the Artist's table.

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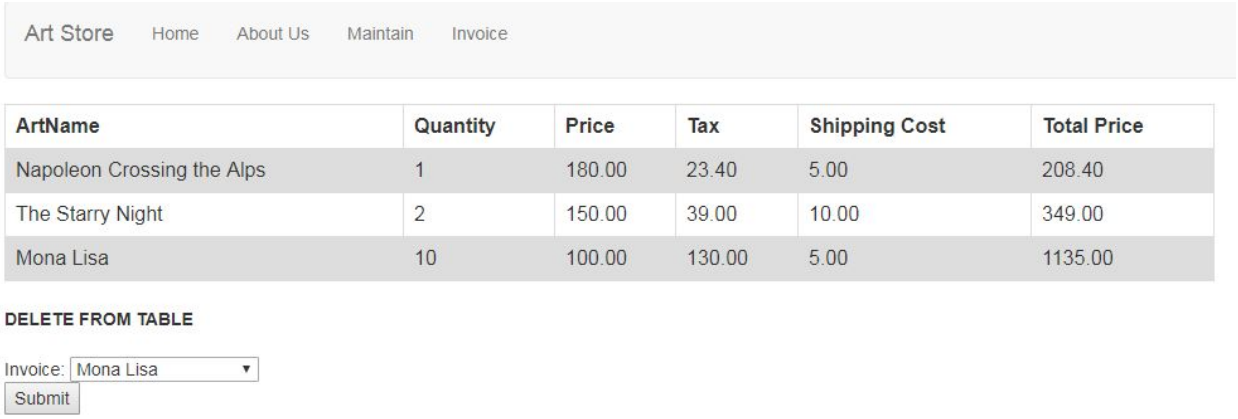
Invoice Page:



The Invoice page displays all the orders the user has placed on artworks. This page also allows the user to select an invoice to delete it. In the screenshot provided, the user will delete the Mona Lisa order on submit.

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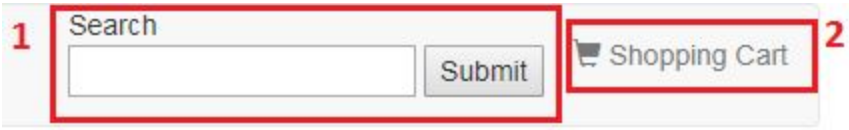
Header (Right Side):

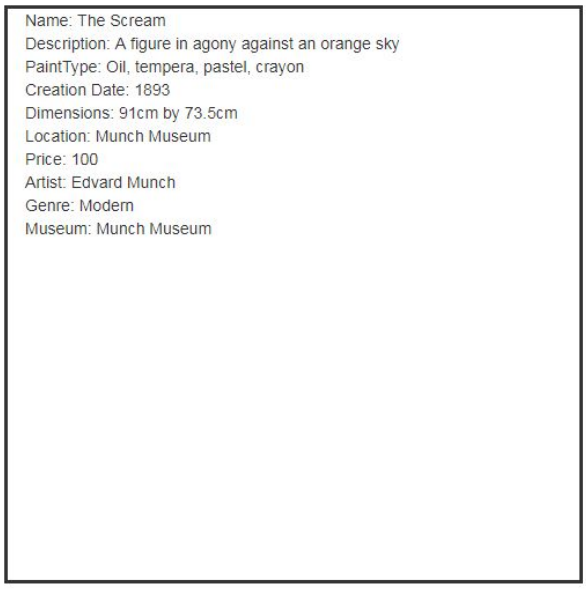


1. Search bar: The user can search artworks by artwork name.
2. Shopping cart: The user can place orders for artworks.

Header - Search Bar:

The user can search artworks by artwork name. If the artwork exists in the database, information about the artwork will be displayed on the bottom-right of the screen.

In the provided screenshot, the user has submitted a search query for the artwork “The Scream”. The artwork information is displayed at the bottom-right of the screen.



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Header - Shopping cart:

When the user clicks the shopping cart, a form opens for the user to place an order. They must select and artwork, specify quantity, and select a shipping plan. On submit, the order is submitted to the database and all existing invoices are displayed, like so:

ArtName	Quantity	Price	Tax	Shipping Cost	Total Price
Napoleon Crossing the Alps	1	180.00	23.40	5.00	208.40
The Starry Night	2	150.00	39.00	10.00	349.00
Mona Lisa	10	100.00	130.00	5.00	1135.00

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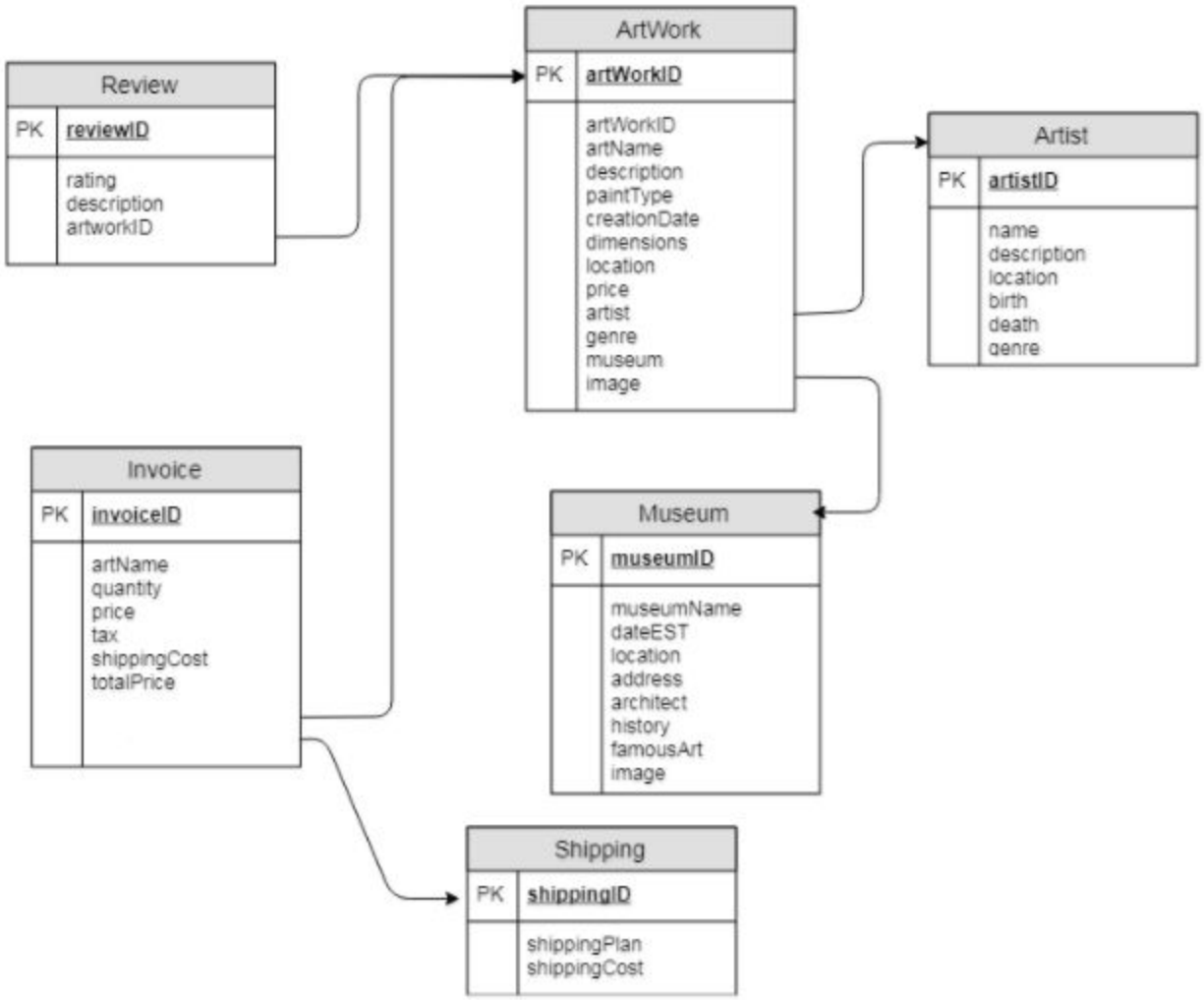
Database Design and Implementation:

Below is an ER Diagram which contains each table in the database, their primary key, and each attribute/field, along with relationships between them.

Records in the Artist, Artwork, and Museum tables are accessed through drop downs on the main page.
Artworks may be searched for by name in the search bar.



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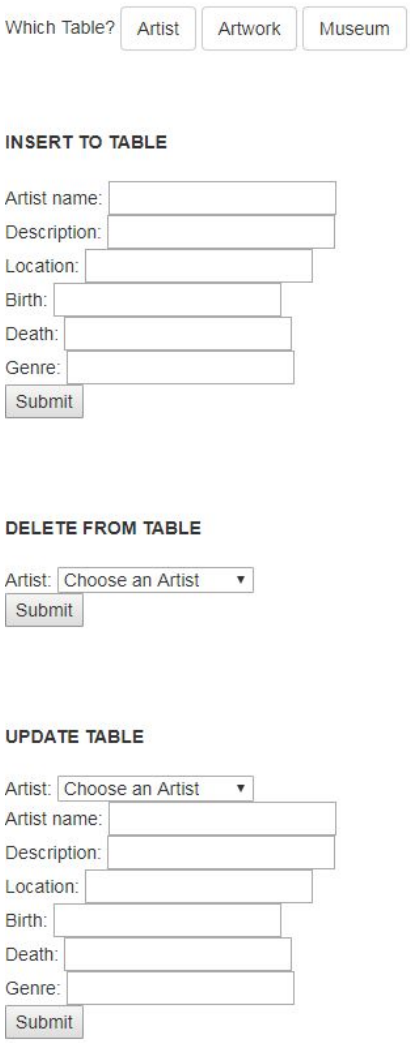
Database Maintain Mode:



The Database Maintain Mode allows users to Add, Delete, and Modify records from the database.

First, the user selects the table from the three buttons at the top of the page. Upon selecting one, User may add, remove, and modify records by inputting their information and Submitting the new information, as seen on the left.

This is implemented using SQL Insert, Delete, and Update commands, using PHP forms to gather the information from the relevant fields, and inputting them into the database using MySQL.

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Classes, Tables, and MVC:

At system design, we identified classes representing the Artist, Artwork, and Museum. Classes for the Invoices and Shopping Cart would be added later.

Each of these classes would later become a table in our database.

Our UI acts as the controller in the MVC model, allowing the user to navigate different pages, view different artworks, museums, etc., Maintain the database, and all other actions. As a View, it displays selected information, and shows the different navigable pages.

The underlying PHP and MySQL commands handle the backend of the MVC model, fetching information from the database and displaying it, as well as adding/deleting/modifying the existing database.