



Project Report
CSE311L: Database Systems
Section #3

Spring 2022
North South University

Submitted To:
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Group No.	03
Submission Date	12 May, 2022

Project Name: Museum Website

Introduction:

We are tasked to develop a website for a private museum owner. This website is to exhibit the complete collection of the owner, categorized by the type of artifacts with details. Only the museum admin can create, modify, update and delete the database items as they acquire new artifacts. Guests can only view the exhibited items.

For background research, we looked at various museum websites and their functionalities. We also did research on private collections and private museums and what they are about. What are the requirements of these collection owners. Finally, we had a certain requirement criterias and we went from there.

The motivation behind this project was, as developers, we often receive personal or small website orders similar to these. Private collection owners, both antique and digital are growing, especially with the rise of nft's. So we wanted to work in the field.

Features:

- Home page containing general information, brief preview of categories and link to all other pages.
- Categories have different webpages.
- Create, Read, Update and Delete(CRUD) operation for admin only.
- Login System for Admin and User
- About and contact section

Resources/Technologies:

Frontend

- Html
- CSS
- Javascript
- PHP

Backend

- PHP
- SQL
- Javascript

Database

- MySQL
- XAMPP

Timeline:

Date	Update Topic
Apr 9, 2022	Finalize ER Diagram
Apr 16, 2022	Finish Database part
Apr 23, 2022	Finish Frontend
Apr 30, 2022	Finish Backend, connect everything and finish the project.

Methodology:

All the webpages are made using frontend languages. This includes a homepage and other pages linked to the homepage including the collection page, contact, and about us. The information in the pages, such as exhibit item info and pictures come from the database created using SQL. The database is connected to the frontend using backend language. Finally, the whole website is hosted on XAMPP.

Discussion:

This project is about making a small website for small collection owners who wish to promote their private collections. This way, private museums can raise cultural awareness among the public. In addition it can help people who are unable to physically visit the museum, to watch the exhibition online and raise their interests in cultural history. It can also help the owners to raise funds to run the upkeep costs and scale up the museum for better future experience.

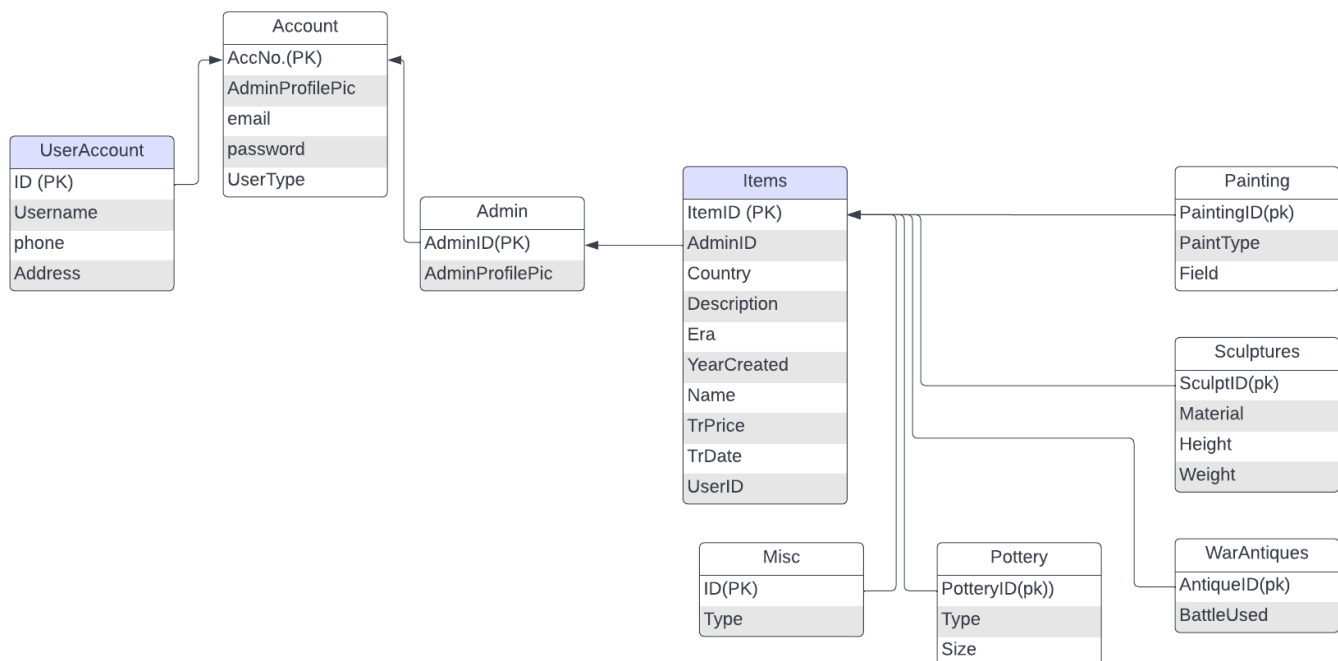
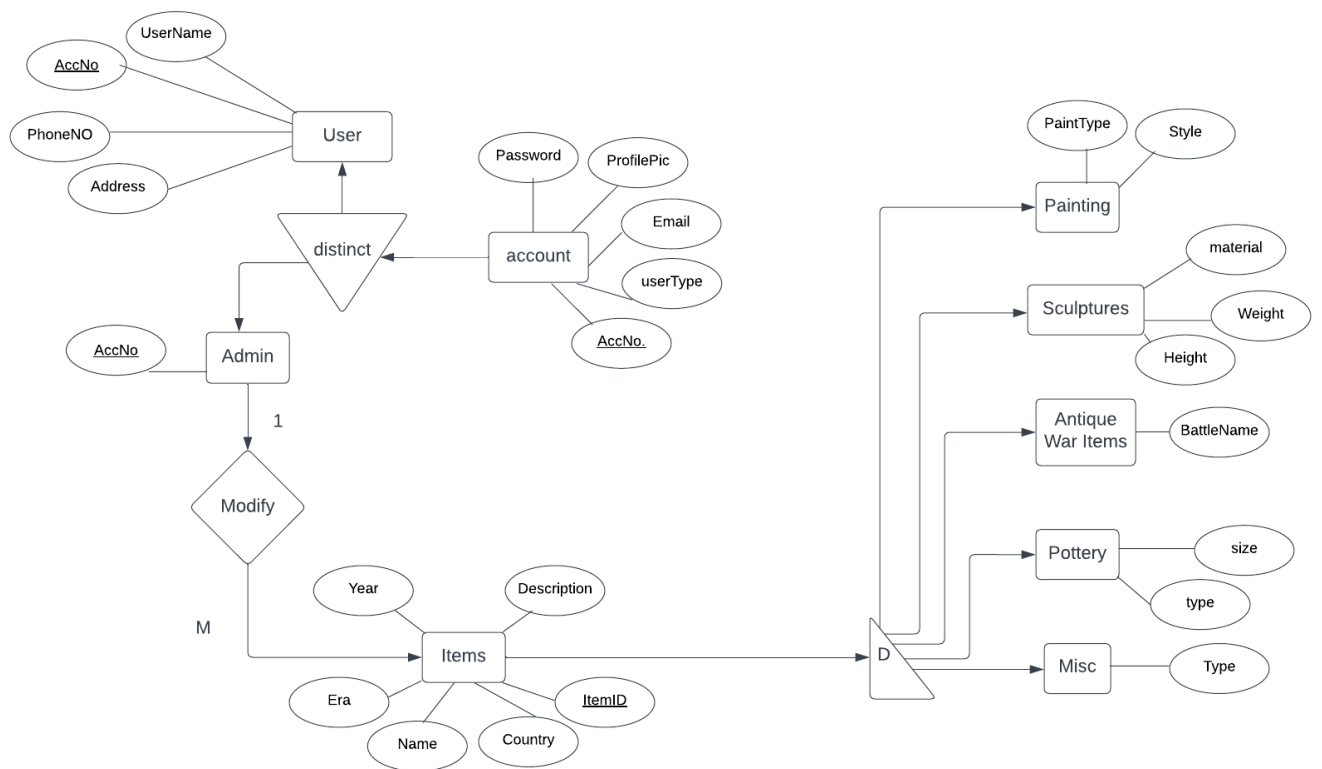
There may also be other collection owners who may have items of value, but are unable to run a museum. This type of website can help them run a museum online to benefit both them and the people.

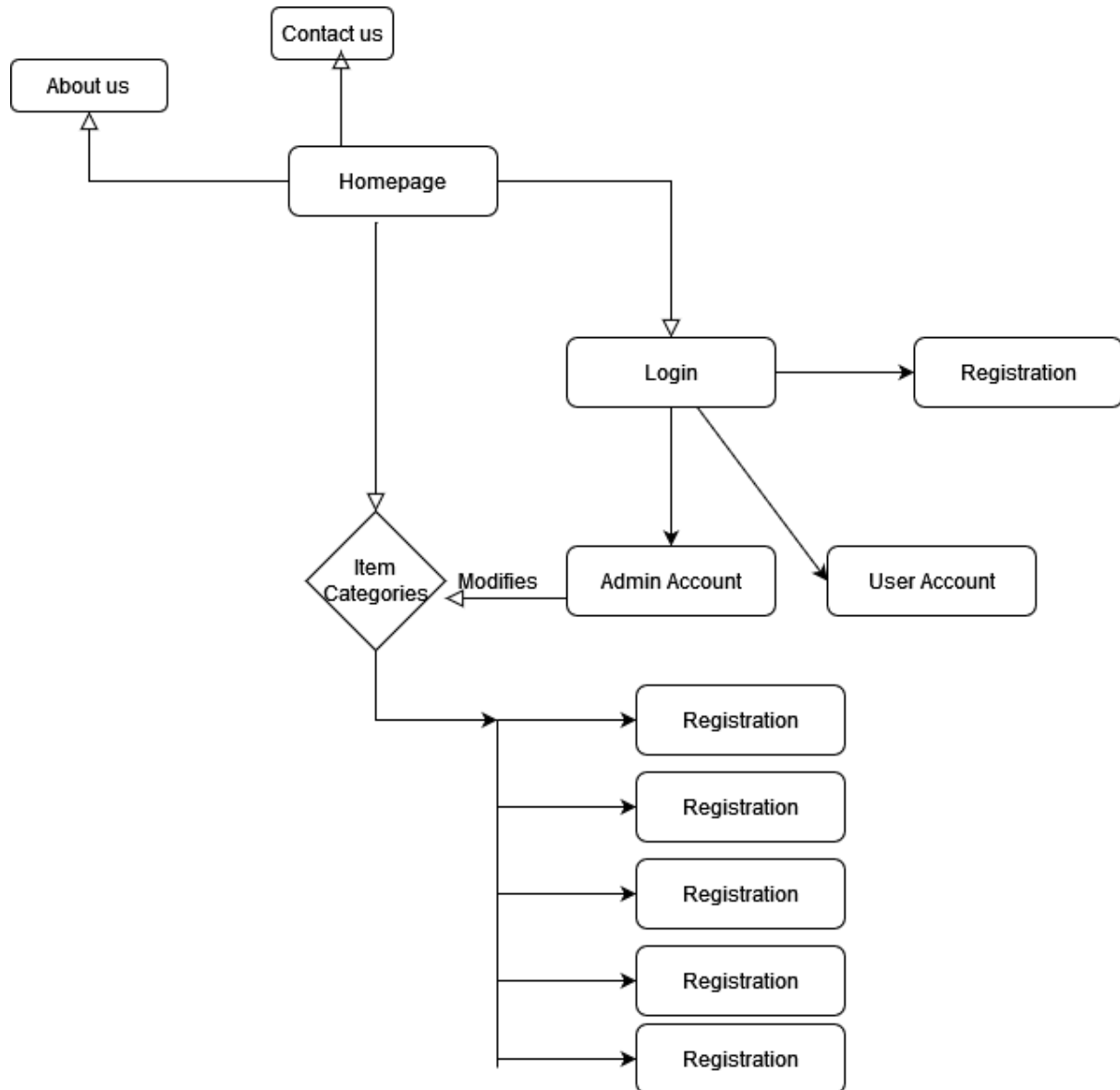
Project Design:

We are making a website for a privately owned museum. The Client has given us the following requirements:

The website will have two kinds of access, namely admin and user. The user will be able to register an account and then login, as well as view different items on the website. The admin is able to make changes to the item database via CRUD operations of adding, deleting, updating items.

- Users and admins will have username, password. User will have Name, phone no, address, card info.
- The website will host the following categories of historically and culturally significant items: 1. Paintings 2. Sculptures 3. Antique war items 3. Pottery 4. Misc. (distinct, partial)
- Each item has a unique identifier ItemID, Name, Description, Era, Purchase date
- Every transaction between the users and museum will be recorded in the transactions table, which will have transaction id, date, itemID, userName, Item price
- There will be a database for exhibition schedules. Which has Exhibition ID, date, no of visitors, category.

Project Design:

Sitemap:

Github link: <https://github.com/ImamH0ssain/Museum-Website>

Conclusion/Future Work:

This project can be expanded by adding transaction capabilities. By adding a giftshop page, the logged in user could buy items from the giftshop. This transaction will be recorded in the database.

Contribution:**Md Hasibur Rahman:**

- All Backend(including session)
- Login and Registration system
- Admin and user account page
- Product Display framework(backend)
- Admin CRUD operations
- All database creation and database connections

Watan al Arafat:

- Full Homepage (HTML + CSS)
- About us + contact us pages

Imam Hossain:

- Overall Frontend
 - Products page(CSS)
 - Other pages css and tweaks
 - ER Requirement and Research.
 - Design choices.
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