**Develop Karate School Web Application**

**Step 1: Create Members Table:**

CREATE TABLE IF NOT EXISTS Members

(

ID INT NOT NULL AUTO\_INCREMENT,

Username NCHAR(10) NOT NULL,

Last\_Name NVARCHAR (30) NOT NULL,

First\_Name NVARCHAR (30) NOT NULL,

Phone NVARCHAR (30) NOT NULL,

Date\_Joined DATE NOT NULL,

Password NCHAR(10) NOT NULL,

PRIMARY KEY (ID) );

**Step 2: Create Payments table.**

CREATE TABLE Payments

(

ID INT AUTO\_INCREMENT,

Member\_Id INT NOT NULL,

Payment\_Date DATE NOT NULL,

Amount DOUBLE NOT NULL,

PRIMARY KEY CLUSTERED (ID),

FOREIGN KEY (Member\_Id) REFERENCES Members(ID)

);

**Step 3: Create Enrollments table.**

CREATE TABLE Enrollments

(

ID INT AUTO\_INCREMENT,

Member\_Id INT NOT NULL,

Payment\_Id INT NOT NULL,

ProgramName NCHAR(20) NOT NULL,

Instructor\_Id INT NOT NULL,

PRIMARY KEY CLUSTERED (ID),

FOREIGN KEY (Member\_Id) REFERENCES Members(ID),

FOREIGN KEY (Payment\_Id) REFERENCES Payments(ID),

FOREIGN KEY (Instructor\_Id) REFERENCES Instructors(ID )

);

**Step 4: Create Instructors table.**

CREATE TABLE Instructors(

ID INT AUTO\_INCREMENT,

InstructorName NVARCHAR (30) NOT NULL,

PRIMARY KEY (ID)

);

Graphical user interface, table

Description automatically generated

**Step 5: Develop a New member Signup Form.**

**Step 6. Develop an Existing Member Login Form**.

**Step 7. After login, you will be automatically redirected to the Member’s page.**

The page must display the Member’s first and last name, phone number, and the date joined for the current Member(display as a table).

Also, this page should display all payments made by the current Member. Display the payment dates and all payments made by the current Member.

**Step 8: Next page – Develop a Karate Program Registration Form.**

Note: Add data to the Enrollments and Payments tables.

Graphical user interface, text, application

Description automatically generated

**Step 9. Develop a Web page for the System Administrator.**

Administrator should be able to:

1. Login to his/her own home page.
2. View the List of instructors.
3. Delete or Add instructors.
4. View the List of members.
5. Delete, Update, or Add a new member.
6. Search for a member by LastName or ID.

**Requirements:**

1. Develop a Header page(‘header.html’).
2. Develop a Footer page(“footer.html”).
3. Include Footer and Header files to every PHP web page. Use include(‘header.html’) and include(“footer.html”).
4. Develop a Home page. Add header file, footer file, name for your Karate School, and image. Also include links for “Sign up” and “Sign in”.
5. Use SESSION to display the First and the Last name of the current(logged in) Member.
6. Display “Sign out” link on the Members and Karate Program Registration Form files.
7. “Sign out” link should execute logout.php file. This file should delete all elements of the SESSION array and the control flow should be redirected to the home page.
8. Register 8 Members.
9. Enroll Members to different Programs.

**Teamwork - 2 students**

**Use: HTML, CSS, PHP, and Bootstrap**

**Submit and present your project: May 1 - May 10**