# GYMWebApp

This is a site for gym to manage it. It is written in C# using WebAssembly. There are two types of users with different accesses to the managing on the web

Types of users:

Visitor

Worker of the gym

Visitor:

He can login to his private account in the web page of gym, where he has options to do:

1. Login to the website as visitor
2. Check his schedule of lessons he is enrolled
   1. Manage it like:
      1. Cancel enrolling
      2. Change day of attending or/and hours
      3. Change class trainer
3. Join to the new lessons
4. Change his date(Name, Surname, age, photo of profile)
5. Delete account
6. Check info about trainers
7. View Attendance History: Provide a feature for visitors to view their attendance history for classes or gym sessions.

Worker of the gym:

1. Login to the website as worker of the gym
2. Check his schedule of the lessons he has during the week
   1. Manage it:
      1. Cancel lesson
      2. Change inf about the lesson
      3. Add some note for visitors
      4. Change the day of holding
3. Change his date(Name, Surname, age, photo of profile )
4. Delete account
5. Attendance Tracking

**Tables:**

1. **Users:**
   * UserID (Primary Key)
   * Username
   * Password
   * UserType (Visitor or Worker)
2. **VisitorDetails:**
   * VisitorID (Primary Key, Foreign Key to Users.UserID)
   * Name
   * Surname
   * Age
   * ProfilePhoto
3. **WorkerDetails:**
   * WorkerID (Primary Key, Foreign Key to Users.UserID)
   * Name
   * Surname
   * Age
   * ProfilePhoto
4. **Lessons:**
   * LessonID (Primary Key)
   * LessonName
   * LessonDate
   * LessonTime
   * TrainerID (Foreign Key to WorkerDetails.WorkerID)
   * MaximumCapacity
5. **VisitorLessons:**
   * VisitorLessonID (Primary Key)
   * VisitorID (Foreign Key to VisitorDetails.VisitorID)
   * LessonID (Foreign Key to Lessons.LessonID)
   * EnrollmentStatus (Enrolled, Canceled)
6. **Attendance:**
   * AttendanceID (Primary Key)
   * VisitorID (Foreign Key to VisitorDetails.VisitorID)
   * LessonID (Foreign Key to Lessons.LessonID)
   * AttendanceDate
   * AttendanceStatus (Attended, Missed)

**Explanation:**

* **Users:** This table stores login information for all users, including their type (Visitor or Worker).
* **VisitorDetails:** Stores additional information specific to visitors.
* **WorkerDetails:** Stores additional information specific to gym workers.
* **Lessons:** Contains information about each lesson offered by the gym, including the date, time, trainer, and maximum capacity.
* **VisitorLessons:** This table represents the relationship between visitors and the lessons they are enrolled in. It also tracks the enrollment status (enrolled or canceled).
* **Attendance:** Tracks the attendance of visitors in lessons. It records whether a visitor attended a lesson or missed it.

This model should provide a foundation for your database design. Depending on the specific requirements and functionalities of your application, you may need to expand or modify this schema.