

I created a website application with php, html, and sql called the Mini Golf Reservation System was created to handle mini golf reservations. The system, which was created with PHP and MySQL, this lets administrators to look at reservation schedules, add golfers, manage golfer preferences, and arrange tee times. The platform is straightforward to use, and accessible to anyone.

The Homepage allows navigation to core features: Add Golfer, Add Reservation, and View Reservations, The links are interactable and so are the forms as they allow you to navigate them with no problem.

The Add Golfer Allows adding a new golfer to the database. It takes the golfer's name and contact information email and phone. It also verifies the successful input with a confirmation message.

The Add Reservation enables making tee-time reservations It takes the golfer's name, tee time, number of players, and any special requests. It checks if a golfer exists and automatically adds the golfer.

The View Reservations shows a list of all reservations with details such as golfer name, tee time, number of players, and special requests.

The Database Connection MiniGolfDatabase.php file handles database connectivity using MySQL. This connection ensures secure and consistent interaction with the database.

The Form Processing in addGolfer.php and addReservation.php are processed through processGolfer.php and processReservation.php. The processes in the php have data validation and SQL execution to update the database when it is needed.

The Dynamic Golfer Management automatically assigns golfers' IDs and offers an easy connection of golfer data with reservation records.

Tee Time Reservations Supports adding reservations with flexible customization with special requests, Handles current additions, and verifies the data integrity. I also used styles.css to make the html look better.

Database Connection which was MiniGolfDatabase.php Provides a single entry point for all database interactions. Manages connection settings and handles errors gracefully.

Adding Golfers and Reservations addGolfer.php Gathers golfer details and submits them to the database. addReservation.php Adds reservations while checking golfer existence. viewReservations.php finds and displays reservation data in a user-friendly format.

The database schema includes three tables: Golfers, TeeTimes, and GolferPreferences. Adding reservations and retrieving preferences are two examples of routine tasks that are made easier by stored procedures. Database Schema has Golfers which Stores the golfers' information. TeeTimes which Tracks reservations and special requests. GolferPreferences which Manages additional preferences like favorite course or club size. findTeeTimes(golferId): Retrieves all reservations for a specific golfer. addSpecialRequest(teeTimeId, requests): Updates special requests for a reservation. addTeeTime: Handles adding golfers and reservations in one transaction.