Project Proposal
CSE 311L
Database Management System
Section 9

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North South University

Submitted to: Sajid Ahmed

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Project Name:

Online Escape Room Booking System

Introduction:
Online escape booking system is a web portal where you can book reservations in advance, know your timing, watch the various themes and read reviews for the same.
You can know everything about a room and its show rates and show time just sitting on your couch.
You just need to do is just go to our web portal for the Online Escape RoomBooking System and register yourself and gain access to all the features and modes provided by the services.
Online Escape Room System in PHP is a very user-friendly project and can be accessed from anywhere and takes away the need to go to physical outlets.

Features:

Entities for this database:

1. Admin
2. RegisteredUser
3. Rooms
4. Issued Bookings
5. Payment status
6. Reviews

1. Admin-
    Admin will have a login Id and a password and will have the authority to view, edit or delete all pre-existing user accounts using his own.Admin will be able to view, edit or delete the rooms and slot times from the database as required.

2. Registered User-
    A user is required to create an account by completing the registration form. The user's information will be entered and stored into the database. The

user can book an escape room using the booking options. He cancheck his payment status and add a review.Registered users will only be able to view all available rooms.

3. Rooms– This table keeps records of the names of all the rooms available and their booking status.

4. Issued Bookings – This table lists the names of all the booked rooms with the id and names of users who booked them. The date, time and difficulty level information with which they were booked is also stored here. The table also assigns a unique ID to each tuple.

5. Payment Status – This table will contain the name and id of the registered user and the issued bookings ID with the payment status of each booking.

6. Reviews – This table contains all the reviews posted by the registered users about their overall experience.

Technologies:

Software requirements:
- **XAMPP:**
  It is an abbreviation for cross-platform, Apache, MySQL, PHP and Perl, and it allows you to build WordPress site offline, on a local web server on your computer. This simple and lightweight solution works on Windows.
- **MySQL:**
  MySql is a database, widely used for accessing querying, updating, and managing data in databases.

Technologies:
 HTML, CSS, JavaScript, Bootstrap
HTML:
HTML is used to create and save web document. E.g. Notepad/Notepad++
CSS :
 (Cascading Style Sheets) Create attractive Layout
JavaScript:
 It is a programming language, commonly use with web browsers.

Bootstrap:
 Bootstrap is the most popular CSS Framework for developing responsive and mobile-first websites.

Phase 1:
 ER Design From the description given, first identify the entity sets in our model, and the attributes for each entity set, as required by the specifications and queries. Next, ER-diagram that will serve as the foundation for the rest of the design. Our model should use only the basic ER model features, and include entities, attributes, and relationships.

Phase 2:
Relational Schema Design This final ER-diagram will be the starting point for the second phase, which involves the creation of the relational schema. Phase will be to translate the provided ER design to a PostgreSQL relational database schema. The database schema will be in a form of a single executable SQL script (*.sql file with SQL statements).

Proposed Timeline:

Project Parts	Tentative Date
ER Diagram	14th September
Admin Login	16th September
Customer Register and Login	19th September
Features(Rooms, bookings)	23th September

Features(Modes,payment status)	28th September
Reviews and messages	30th September
Final Project and Submission	3th October