National University of Computer and Emerging Sciences

Database Project Proposal
Section 5A

<Pixel Arcade>

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1. Introduction

Pixel Arcade will be a digital platform that will provide a comprehensive solution for managing the operations of a gaming zone and game shop. It will offer a convenient and efficient way to book slots in advance, manage different consoles along with their respective games, handle customer orders and feedback, data about the upcoming games and analyse data. With its user-friendly interface, this platform will allow for seamless collaboration between staff members, ensuring a smooth and efficient workflow. It's an essential tool for modern gaming zones that aim to stay ahead in today's fast-paced and ever-evolving gaming industry. Gaming is played by people of all age groups, moreover it will be the first gaming hub's website in Pakistan, hence unique. We will provide one stop solution, gaming zone and game store under one roof.

2. Functionalities

The following section contains all the functionalities proposed for this project.

2.1. Sign up

New user or staff member will be able to enter his/her information such as name, address, city etc in order to book the slot.

2.2. Log in

Existing user or staff member will be able to login with valid credentials.

2.3. Profile editing

User will be able to edit their profiles which will include changing in address, contact number, gaming preferences etc.

2.4. Gaming Menu

List of consoles and games will be displayed when menu is clicked. User can also browse specific category. The most played games will also be shown.

2.5. Book Slot

Check availability: User can check whether the desired title is available.
Play right now: Place the order through online platform and immediately start playing it.
Advance booking: Book slots in advance in order to experience one of a kind experience. This will also be used to check the upcoming games, consoles and book their slots in advance.

2.6. Cart

Selected slots will be shown along with their prices, selected food items, and user details.

2.7. Premium Gamers

List is maintained and discounted offers/slots will be shown only to the premium gamers.

2.8. User Feedback

Users will be able to provide feedback related to their experience.

2.9. User History

We will provide the option to user to show his/her previous placed games and duration.

2.10.   About Page

We will provide the user information about us such as our Pixel Arcade locator, email, contact information etc.

2.11.   Online Payment

User will have the option to add credit and debit card information.

2.12.   Coupons/Promo Codes

User will be able to enter a valid code (distributed by us on special occasions) to obtain several discounts and in order to play more.

2.13.   Food Menu

Items of food and beverages will be shown to the user. The user can purchase them along with their reservation of slots.

2.14   Pixel Store

Customers can buy games and accessories through our online and offline store. We will provide everything at market price.