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PROJECT REPORT



FIND YOUR OWN PHOTOGRAPHER

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Introduction

A website platform called "FIND YOUR OWN PHOTOGRAPHER" was created to link clients and photographers.

Background: In an increasingly digitized age, there is a growing demand for photography services.

Context: The growth of social media and internet marketing has given photographers new opportunities, but it might be not easy to choose the best one.

The project's goal is to make it simpler for clients to connect with the appropriate photographers by streamlining the process of locating photographers.

Effortless Connection: With FIND YOUR BEST PHOTOGRAPHER site, finding the perfect photographer for your event is as simple as a click. Our intuitive interface links you with a network of skilled photographers, ensuring you discover the ideal match for your vision.

Diverse Talent Pool: Whether it's a wedding, a corporate event, or a creative photoshoot, our platform boasts a diverse community of photographers with unique styles and expertise.

Range: It has choices for booking, a search directory, photographer profiles, and user reviews.

Expected Advantages: The platform offers consumers a streamlined search process, and photographers gain from an increase in visibility and clientele.

Project Objectives

Project Objectives for the "Find Your Own Photographer" Website

1. Develop a Secure Online Platform:

Security is paramount in any online platform, especially when handling personal data and financial transactions. The project prioritizes robust security measures to safeguard user data, financial information, and the overall integrity of the platform.

2. Enhance Accessibility for Users:

The system aims to make finding and hiring photographers more accessible by providing an online platform that can be accessed from anywhere with an internet connection. This accessibility simplifies the process for users seeking photography services.

3. Ensure Transparency and Fairness:

Transparency and fairness are fundamental for maintaining trust among users in the photography industry. The project is committed to implementing mechanisms that ensure transparency in photographer selection and fair dealing for both clients and photographers.

4. Transact securely by enabling:

To protect users' financial information, secure payment processing is essential. To give users a secure and hassle-free payment experience when ordering photography services, the project intends to incorporate a secure payment gateway.

5. Effectively administering and managing the system:

Platform operation depends on effective administration and management. To make system administration easier, the project will create tools for efficient user account management, tracking photography bookings, and producing reports.

Project Architecture

1. User Interface (UI) :

The User Interface component provides a user-friendly web interface for users to interact with the system. This includes

- User Registration: Providing a seamless registration process for photographers and clients.
- Photographer Profiles: Showcasing photographer services and availability.
- Client Features: Enabling clients to search, book, and manage their photography sessions.
- Account Management: Allowing users to manage their profiles and bookings.

2. Backend Server :

The Backend Server serves as the core of the system, responsible for handling user requests, processing transactions, and managing the interactions between clients and photographers.

- User Requests: Handling requests from users, including search queries, booking requests, and profile updates.
- Transaction Processing: Managing payment transactions for bookings and ensuring secure payment processing.

3. Database: Google Drive

The Database component stores essential data to support the platform's functionality

- User Profiles: where user profiles are stored, which are collections of essential user data like names, contact information, and preferences, email. There may also be links to the Facebook pages of the photographers here
- Booking Information: To keep track of reservations made on the site, Google Drive's database feature is used. This includes specifics like booking times, dates, and places, as well as any other pertinent information about each reservation.
- Transaction Records: To provide transparency and meet accounting requirements, Google Drive acts as the store for transaction records. It keeps track of details about payments, such as amounts, payment methods, and transaction dates.
- Photography Session Data: Google Drive is used to store photography session data, which includes details on sessions and their outcomes. Details such as the kind of session, the tools used, and the deliverables at the end might be included in this.

4. Admin Panel :

Provides administrators with tools to manage the system effectively, monitor transactions, and resolve issues

- User Management: Manage user accounts and access control
- Resolve Issues: Address user concerns, disputes, and system-related problems

Hosting and 3rd Party Services

- The project will be hosted on the Amazon Web Services (AWS) cloud platform, ensuring scalability, reliability, and high availability

- AWS allows you to dynamically adjust your resources based on demand. This elasticity ensures that your project can handle varying workloads effectively.

- AWS has a vast global network of data centers, enabling you to deploy your project close to your target audience for reduced latency and improved performance.

Cloud Patterns

Several cloud patterns are incorporated into the system's design

Auto Scaling :

Auto Scaling groups are configured for EC2 instances to automatically adjust capacity based on traffic, ensuring the system can handle varying user loads efficiently

Load Balancing:

Elastic Load Balancers (ELBs) distribute incoming traffic across multiple EC2 instances, enhancing fault tolerance and improving system availability.

Database Replication:

Amazon RDS is configured with read replicas to improve database performance and provide failover capabilities

Data Encryption:

Data at rest and in transit is encrypted using AWS Key Management Service (KMS) to ensure data security and compliance.

Technology Stack

The "FIND YOUR OWN PHOTOGRAPHER" website project will leverage the following technology stack

- We utilized HTML to create the DOM structure and CSS to create a layout for the user interface components that prioritizes the user experience.

CSS with Modules

- CSS Modules will be used for modular and scoped styling, preventing style conflicts and enhancing maintainability.

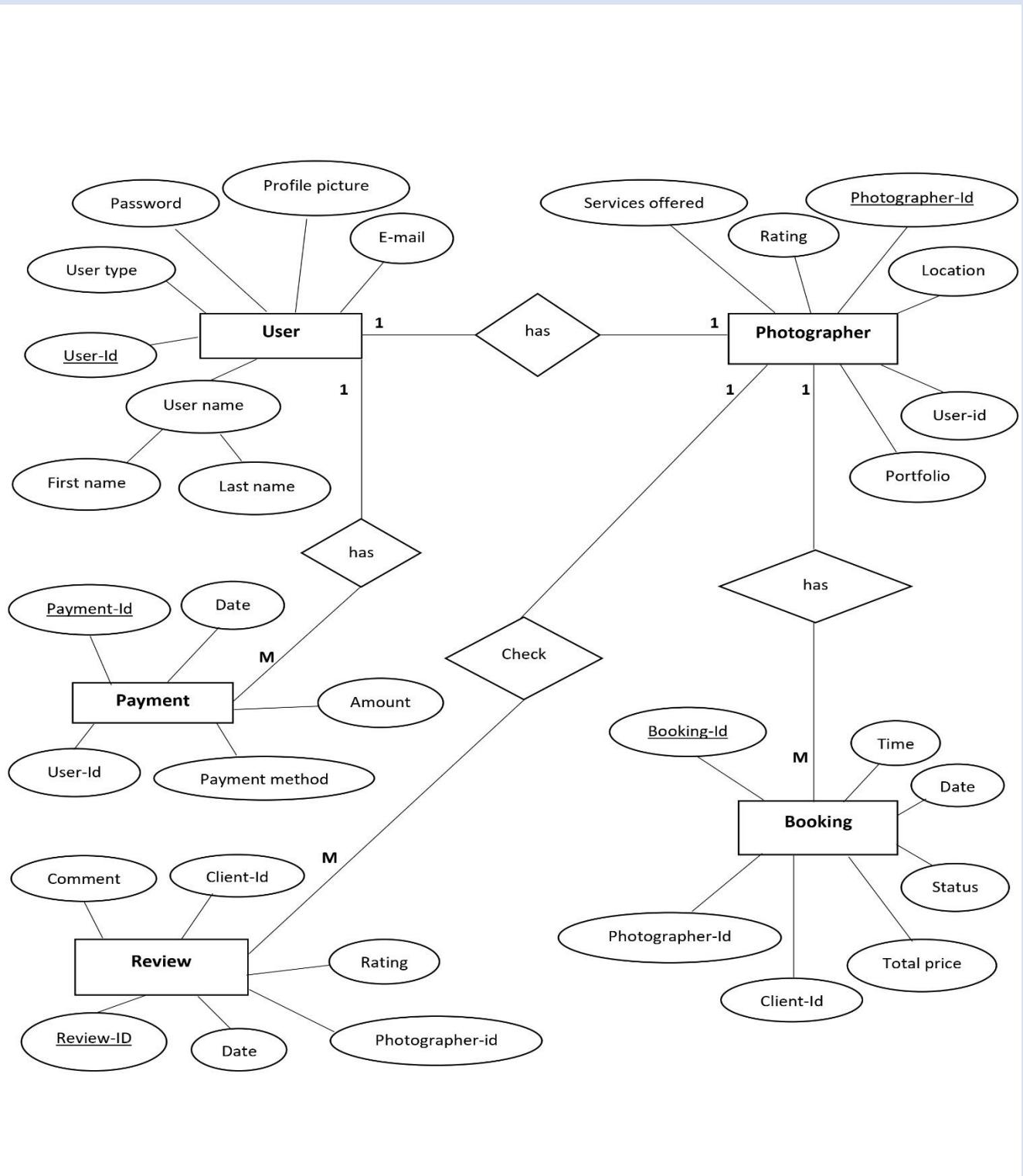
Git

- Git will facilitate efficient collaboration, code management, and version tracking among the development team.

OAuth

- OAuth will be used for secure and convenient user authentication and authorization.

ER Diagram



Conclusion

The "**FIND YOUR OWN PHOTOGRAPHER**" website project is dedicated to providing a seamless and user-friendly experience for individuals seeking professional photography services. By meticulously designing the DOM structure with HTML and crafting a visually appealing user experience through our CSS-driven UI components, we have laid the foundation for a website that simplifies the process of finding and hiring a photographer. Our commitment to creating an intuitive and elegant platform for users reflects our dedication to excellence in the field of photography services. This website holds great promise as a go-to destination for those in search of the perfect photographer, offering a convenient and efficient solution to their needs.

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Thank you..