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INTRODUCTION EduBazar is a dynamic web-based platform designed to connect individuals seeking educational services with skilled professionals who offer them. The platform enables clients to discover, book, and procure a diverse range of services such as subject tutorials, graphic designing, application development, and more. At the same time, it empowers service providers to showcase their expertise, manage their service listings, communicate with clients, and handle bookings efficiently. The project focuses on creating a user-friendly, secure, and scalable web application that facilitates smooth interactions between service providers and clients. EduBazar incorporates modern features including real-time chat, booking and payment integration, and a review and rating system, ensuring a seamless service experience. The platform uses Django for the backend, HTML/CSS/JS for the frontend, and SQLite as the database. By offering capabilities like advanced search filters, role-based user access, profile management, and automated booking status tracking, EduBazar simplifies the process of both providing and accessing educational services. It serves as a reliable and centralized hub for educational needs in today's digital age. Project Title: 'EduBazar' (Marketplace for Educational Services) Category: Web Development OBJECTIVE EduBazar aims to create a secure, efficient, and user-friendly web platform that connects clients with skilled professionals offering educational and skill-based services. The platform ensures seamless accessibility for discovering, booking, and availing services, while empowering service providers to showcase their expertise, manage their listings, and handle bookings effectively. With features such as advanced search filters, real-time booking availability, secure online payments, in-app chat, and a review and rating system, EduBazar streamlines the entire service exchange process. It enhances user experience, builds trust, and fosters transparency in every interaction. EduBazar prioritizes data security, scalability, and system reliability, ensuring the protection of user information and the ability to support increasing traffic and service volume without compromising performance. The ultimate objective is to offer a dedicated, customized, and robust marketplace for clients and providers in the educational services space. GOALS The main goals of this project are: 1. Centralized Marketplace: Build a platform connecting clients with educational and skill-based service

providers. 2. Enhanced User Experience: Create a user-friendly interface for seamless navigation and bookings. 3. Trust and Transparency: Implement reviews and ratings to ensure accountability and quality services. 4. Empower Providers: Enable professionals to showcase expertise and manage bookings efficiently. 5. Streamlined Processes: Simplify service discovery and bookings with advanced tools and real-time updates. 6. Security: Protect user data and payments with secure authentication and encryption. 7. Customization: Offer personalized profiles and tailored listings for better user relevance. 8. Scalability: Design the platform to handle growth without compromising performance. 9. Real-Time Communication: Integrate messaging for seamless client-provider interactions. 10. Continuous Improvement: Monitor feedback and update features to enhance functionality. REQUIREMENT ANALYSIS AND SPECIFICATIONS Functional Requirements • User Registration and Authentication: EduBazar allows users to register as either clients or service providers. Secure login and registration are implemented using email and password authentication. Each user can manage their profile details. • Service Listings: Service providers can create and manage listings by adding titles, descriptions, categories (like tutorials, design, or development), pricing, and availability. Listings are stored and updated dynamically in the database. • Advanced Search and Filters: Clients can search for services using various filters such as category, pricing, availability, and user ratings to find the most relevant offerings. • Real-Time Booking: Clients can book services based on the provider's availability. Once a booking is confirmed, both users receive notifications and the schedule is updated in real time. • Payment Gateway Integration: Secure payment processing is integrated to handle transactions between clients and providers (implemented using Razorpay). • Review and Rating System: After a service is completed, clients can submit reviews and rate the service provider. Ratings are visible to other users and contribute to the provider's public profile. • Messaging System: A built-in real-time chat feature enables direct communication between clients and service providers to discuss service details or ask questions before confirming a booking. • Django Admin Panel: The Django admin interface provides administrators with access to manage user accounts, monitor services, approve or remove listings, handle disputes, and maintain platform integrity. • User Profiles: Each user has a dedicated profile. Clients can track booking history and upcoming services, while providers can manage listings, view reviews, and update portfolio content. Non-Functional Requirements • Performance: The platform is optimized for fast response times during browsing, searching, booking, and chatting, ensuring smooth operation even with multiple concurrent users. • Usability: EduBazar features a clean, intuitive interface with responsive design, making it accessible across desktops, tablets, and mobile devices. • Scalability: The architecture is designed to support future expansion, enabling more users, services, and features to be added without degrading performance. • Security: EduBazar ensures user data is securely stored. Passwords are encrypted, sessions are managed through middleware, and unauthorized access is restricted. Payment data is handled through secure protocols (when integrated). • Compatibility: The platform is tested and works across major

web browsers like Chrome, Firefox, Brave, and Safari, and is compatible with Windows, macOS, and Linux. • Maintainability: Clean, modular Django code and comprehensive inline documentation enable developers to easily maintain and extend the platform. • Backup and Data Recovery: Regular database backups are recommended for production deployment to prevent data loss in case of system failure. • Accessibility: The platform follows basic accessibility guidelines, with support for keyboard navigation and screen readers where applicable.   Technical Requirements 1. Frontend Technologies • HTML: Creating Structure and markup for webpages. • CSS: Styling and layout using Custom CSS. • JavaScript: Client-side scripting for interactive features and game logic. • Bootstrap: Framework for more prebuilt features for defining interactive UI. 2. Backend Technologies • Django: Framework for building the backend, handling routing, and interacting with the database. • Database: SQLite for storing user data, game data, and performance metrics. • ORM: Django's ORM (Object Relational Mapping) for database interactions.

Sources