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| Internship Project Title | RIO125: Creating an Online Tour Guide for Domestic Tourists. |
| Project Title | Creating An Online Tour Guide for Domestic Tourists. |
| Name of the Company | TCSION |
| Name of the Industry Mentor | Santu Laha |
| Name of the Institute | Teerthanker Mahaveer University |

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| Start Date | End Date | Total Effort (hrs.) | Project Environment | Tools used |
| 7/07/2023 | 5/10/2023 | 79.86hrs | Remote (From Home) | HTML,CSS,PHP,SQL. |
| Project Synopsis:  => online tour guide project that seamlessly integrates HTML, CSS, PHP, and SQL to deliver unparalleled virtual travel experiences.  Personalized routes and real-time interactions make exploration immersive and informative, catering to wanderlust and knowledge seekers alike. | | | | |
| Solution Approach:  =>**Requirement Analysis**: Understand user needs and platform requirements.  **Technology Stack**: Choose technologies for web and app components.  **Database Design**: Create a structured schema for tour and user data.  **Front-End Development**: Design user-friendly interfaces for web and app.  **Back-End Development**: Build server-side logic for data management.  **Android App**: Develop app with authentication, data fetching, and booking.  **Integration and Testing**: Test components and ensure smooth data exchange.  **Deployment**: Set up hosting, deploy web portal, and publish app.  **Documentation**: Prepare guides for users and maintenance.  **Launch and Maintenance**: Go live, gather feedback, and maintain the solution. | | | | |
| Assumptions:  =>**User Profiles**: Users can create accounts and log in to the platform to access personalized features.  **Tour Listings**: The system displays a list of available tours with details like destinations, itineraries, and prices.  **Booking Functionality**: Users can select and book tours, view booking status, and receive confirmation.  **User Reviews and Ratings**: Users can provide feedback, reviews, and ratings for tours they have experienced.  **Authentication and Authorization**: User authentication is implemented securely to protect personal data.  **Responsive Design**: Both the web portal and Android app are designed to work well on various screen sizes.  **Database Management**: MySQL is used to store user data, tour information, bookings, etc.  **Performance**: The solution is optimized for performance and handles traffic efficiently. | | | | |
| Project Diagrams: | | | | |
| Algorithms:  =>**User Authentication Algorithm:**  1-Verify user credentials during login.  2-Utilize secure hashing and salting for password storage.  3-Manage user sessions to maintain authentication state.  **Tour Search Algorithm:**  1-Allow users to search for tours based on criteria like destination, dates, and price range.  2-Retrieve relevant tours from the database and present them to users.  **Data Synchronization Algorithm:**  1-Ensure that data is consistent and up-to-date between the web portal and Android app.  2-Sync user data, booking information, and tour details. | | | | |
| Outcome:  => The outcomes of an "Online Tour Guide" project include the tangible and intangible results that are achieved through its successful implementation. Here are some potential outcomes:  **User-Friendly Platform:**  1-Creation of a user-friendly web portal and Android app for accessing tour information and booking services.  **Access to Tour Information:**  1-Users can easily explore and access comprehensive details about various tours and destinations.  2-Efficient Booking Process:  3-Streamlined booking process for users to reserve tours with ease.  **Enhanced User Experience:**  1-Improved user experience through responsive design, intuitive interfaces, and smooth interactions.  Convenient Online Booking:  2-Users can book tours online at any time, reducing the need for in-person bookings.  **Personalized Recommendations:**  1-Users receive personalized tour recommendations based on their preferences and past bookings.  Feedback and Reviews:  2-Collection of user feedback, reviews, and ratings to enhance service quality.  **Data Management:**  1-Effective management of tour data, user profiles, and booking records in a structured database.  Increased Revenue:  2-Potential increase in revenue for tour operators due to efficient online booking and wider customer reach.  **Cross-Platform Access:**  1-Availability of the platform on both web browsers and Android devices.  Secure Transactions:  2-Implementation of secure payment processing for tour bookings. | | | | |
| Exceptions considered:  =>In an "Online Tour Guide" project, various exceptions can occur due to unexpected scenarios or errors in user interactions. Handling these exceptions gracefully is crucial for ensuring a smooth user experience and maintaining the reliability of the system. Here are some common exceptions that might be considered:  **Invalid User Input:**  1-Handling cases where users provide incorrect or invalid data during registration, login, or booking processes.  **Authentication Errors:**  1-Addressing incorrect usernames, passwords, or expired sessions during user authentication.  **Tour Availability:**  Notifying users when a selected tour is no longer available due to full bookings or other reasons.  **Network Errors:**  1-Handling cases where the web portal or app cannot connect to the server due to network issues.  Booking Conflicts:  2-Detecting conflicts when users attempt to book overlapping tour dates or times | | | | |
| Enhancement Scope:  =>The enhancement scope for an "Online Tour Guide" project involves identifying areas where the platform can be improved, expanded, and enriched to provide more value to users and stakeholders. Here are some potential enhancement areas:  **Enhanced User Profiles:**  1-Allow users to customize profiles, add profile pictures, and view their booking history.  **Real-time Availability:**  1-Implement real-time tour availability updates to prevent overbooking.  **User-generated Content**:  1-Enable users to upload and share photos, videos, and travel experiences. | | | | |
| Link to Code and executable file: **:-**  [laxmansinghnegi10/Online-Tour-Guide-For-Domestic-Tourists(github.com)](https://github.com/laxmansinghnegi10/Online-Tour-Guide-For-Domestic-Tourists) | | | | |

       customers.sql index.css index.html location.css location.php login.css login.php place\_db.sql

  

register.css registration.css registration.php

**GitHub Repository(GitHub.com) :-** [laxmansinghnegi10/Online-Tour-Guide-For-Domestic-Tourists(github.com)](https://github.com/laxmansinghnegi10/Online-Tour-Guide-For-Domestic-Tourists)