AN ECO-FRIENDLY TRAVEL APP

GROUP B 41

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OVERVIEW

The "යං" (Yān)Travel App stands out as a game-changer in the travel and adventure industry in a time when environmentally friendly living and awareness have taken center stage. This ground-breaking platform is committed to a greener, more ethical way of seeing the world and is more than simply a travel app. A comprehensive solution, "යං" (Yān) Travel App offers customers a seamless fusion of convenience, sustainability, and adventure. It redefines the travel experience.

The "යං" (Yān) Travel App's key features are a comprehensive set of services created to meet all of the needs of contemporary travelers. This software enables visitors to coordinate their excursions with their principles, from booking premium eco-friendly hotels that are committed to minimizing their environmental impact to accessing a broad range of eco-aware transportation alternatives. The app goes beyond conventional vacation planning by giving users the rare opportunity to choose experienced local guides who are passionate about sustainable tourism, giving them an immersive and authentic travel experience.

Additionally, "යං" (Yān) Travel App enables users to make knowledgeable decisions by offering comprehensive details on eco-friendly activities, food alternatives, and attractions in the locations they want to visit. This not only guarantees a pleasant trip but also helps out regional companies who embrace sustainability. By enabling paperless bookings, e-tickets, and access to reusable resources like e-bikes and shared cars in destination cities, the app also encourages users to decrease waste and their carbon impact.

Your trip is about the route itself as much as the destination while using the "යං" (Yān) Travel App. This platform encourages environmentally friendly decisions without compromising the comforts and amenities that tourists want. The "යං" (Yān) Travel App encourages you to become a conscientious global citizen and contribute to a more rewarding and ecologically responsible manner of seeing our wonderful globe by making sustainable travel more accessible and fun. Therefore, "යං" (Yān) Travel App is your ticket to a greener, more fulfilling travel experience that makes a good impact on the globe, whether you're a corporate traveler, a family of explorers, or a lone adventurer. With the "යං" (Yān) Travel App, you can travel with a purpose and use the globe as your playground.

OBJECTIVES

* Provide detailed travel information, including information on the location, housing options, means of transportation, things to do, and local services.
* Ensure that the program is easy to use and navigate, with a clear and welcoming interface.
* Real-time updates on flight statuses, weather, and other important information are intended to be sent to travelers.
* Enable users to book directly through the app for travel, hotel, transportation, excursions, and activities.
* Support a range of currencies and languages to cater to a worldwide clientele.
* To help travelers when they don't have internet connectivity, provide offline access to crucial information such as maps and itineraries.
* The purpose of allowing people to publish and read evaluations and ratings for venues, housing, and services is to encourage confidence in decision-making.
* The objective is to give emergency contact information, safety advice, and location-based assistance.
* Allow customers to browse the greatest offers and discounts on travel-related services, which will enable them to save money in the long run.
* Continuously gather user feedback and data to improve the app's features, usability, and overall experience.
* Develop relationships and unique offers with airlines, hotels, and other travel-related companies to provide customers more for their money.
* Create a customized version of the app that offers users travel suggestions and itineraries based on their interests and prior behavior.
* Inform tourists on the value of eco-friendly tourism and its benefits for the environment, animals, and native cultures.

OVERALL APP OBJECTIVES

* By providing details on low-impact transportation choices and tools to monitor and offset emissions, you may assist users in lowering their carbon footprint.
* Educate people on how to reduce waste, save resources, and travel while being conscious of their energy and water use.
* Encourage positive behavior by praising and rewarding customers who consistently make eco-friendly decisions when traveling.
* Inform tourists on the value of eco-friendly tourism and its benefits for the environment, animals, and native cultures.
* By providing details on low-impact transportation choices and tools to monitor and offset emissions, you may assist users in lowering their carbon footprint.

TARGET USERS

* Eco-conscious travelers- These people place a high value on eco-friendly transportation. To lessen their carbon impact, they look for eco-friendly lodging, travel, and activities.
* Lovers of sustainable tourism- One of the main target audiences is tourists who are enthusiastic in helping places and organizations that encourage sustainability and responsible tourism.
* Enthusiasts of nature and adventure- travel applications may assist users in locating eco-friendly choices in natural environments, which is particularly useful for those who like the great outdoors and adventurous activities.
* Travel agencies- Travel agencies and planners seeking information for their clients
* Families and academic institutions- Looking for travel applications that support their principles is common among parents and educators who wish to inculcate a sense of environmental responsibility in the next generation.
* Backpackers and lone travelers- Apps that encourage sustainable and distinctive experiences may appeal to independent travelers who frequently take a more adaptable and adventurous approach to their travels.
* Heritage and cultural explorers- Such applications can be useful for anyone interested in cultural and heritage tourism, which frequently has a strong connection to sustainability and responsible travel.
* People-oriented travelers- A substantial portion of the target audience consists of users who want to engage in eco-friendly and sustainable travel habits in order to support local economies and communities.
* Local guides and tour guides- To provide their services to tourists seeking genuine and sustainable travel experiences, local guides and tour guides can work with travel applications. This raises their profile and facilitates interaction with potential customers.
* Hotel owners- Hotel operators may advertise their hotels, handle reservations, and promote their eco-friendly policies using travel applications to draw in environmentally aware tourists. They may increase occupancy rates and attract a larger audience with the use of travel applications.
* Transportation providers- Travelers may pick environmentally friendly transportation alternatives more easily by integrating their services with travel applications, such as vehicle rental agencies, bike-sharing programs, and public transit.
* Environmental organizations- Travel applications may be used by environmental organizations to promote ethical tourism and provide information to users, empowering them to make eco-friendly decisions.
* Restaurants and food vendors- Through travel applications, restaurants and food sellers may advertise their menu items with sustainable and regionally produced ingredients. This may draw tourists looking for environmentally friendly dining alternatives.

APPLICATION FEATURES AND DESCRIPTION

"යං" (Yān) is your best travel companion for eco-friendly travel experiences. Discover the world while reducing your carbon impact and supporting environmentally friendly travel. "යං" (Yān) provides a variety of features meant to make your journeys more ecologically responsible and enjoyable, regardless matter whether you're an experienced eco-traveler or new to sustainable exploration.

Key features

* Admin login: Admin can login with the admin ID and Password.
* Registration: Users can register on the app by using the email address or using the mobile phone number.
* User login: User can login with the User ID and Password.
* Eco-friendly Travel Planning: Using low-carbon mobility options including walking, cycling, and public transportation, the app will assist users with creating environmentally friendly travel choices.
* Carbon Footprint tracker: By tracking and calculating their trip's carbon emissions, users get encouraged to make better environmentally friendly decisions.
* Suggestions for Green Accommodations: The app will suggest eco-friendly places to stay that consider sustainability first, such as lodges and hotels.
* Local Eco-Tours: -Users can select and reserve environmentally friendly adventures and activities that support ethical travel.
* Eco-Friendly Dining Selections: The app will recommend restaurants and coffee shops that offer organically produced, genuine, and food from nearby farms.
* Guided Maps: - Real-time interactive maps will provide users with the location of eco-friendly services and travel options.
* User-Submitted Reviews: Reviews of eco-friendly travel companies can be read and shared by users, supporting others in making the right choices.
* Offline Access: The software can remove the need for printed documents by providing offline access to maps and important travel information.
* Eco Travel Advice: Daily updated advice and articles about environmentally friendly travel routes and accommodations
* Suggestions for Travel Guides: The app will suggest and recommend travel guides that organize and carry out adventures and long-distance tours for customers. They plan routes, investigate nearby sights, and arrange for lodging, food, and access to healthcare.

Travelers today look for environmentally friendly, ethically sound, and sustainable solutions to lower their carbon footprints. An eco-friendly travel software that emphasizes climate action and ethical consumerism is in line with the UN's Sustainable Development Goals.

TIME FRAME

Gantt chart for mobile app development proposal

1. Define the project's goals and scope.
2. Gather the basic specifications and user stories.

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| **TASKS** | **START**  **DAY** | **END DAY** | **DURATION**  **(days)** |
| task 01 | 10-Oct | 16-Oct | 7 |
| task 02 | 16-Oct | 24-Oct | 9 |
| task 03 | 24-Oct | 10-Nov | 18 |
| task 04 | 10-Nov | 18-Nov | 9 |
| task 05 | 18-Nov | 24-Nov | 7 |
| task 06 | 24-Nov | 02-Dec | 9 |
| task 07 | 02-Dec | 01-Jan | 31 |
| task 08 | 01-Jan | 17-Feb | 48 |
| task 09 | 17-Feb | 02-Mar | 15 |
| task 10 | 02-Mar | 09-Mar | 8 |
| task 11 | 09-Mar | 18-Mar | 10 |
| task12 | 18-Mar | 25-Mar | 8 |
| task13 | 25-Mar | 30-Mar | 6 |
| task14 | 30-Mar | 06-Apr | 8 |
| task15 | 06-Apr | 16-Apr | 11 |

1. Wireframing and UI/UX design.
2. Prototyping.
3. Review and reworking of the design.
4. Configure the development environment.
5. Backend programming.
6. Front-end programming.
7. API integration with outside services.
8. Unit tests.
9. Testing for integration.
10. Testing for user acceptance.
11. Release the beta version to a select group of users.
12. Gather and evaluate user comments.
13. Publish the app to consumers and solicit feedback from them.

