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Itinerary Builder Using Web Development

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A B S T R A C T

This research paper delineates about a website called ITINERARY BUILDER. It is a simple web-based project which is made using frontend web development technologies: HTML, CSS, and Java Script. This website helps enthusiastic travelers to travel across the world without headache of planning things as it plans and organizes the travel schedules in an intuitive and efficient way. Its primary focus is on the user experience (UX), user interface (UI), responsive design and functional simplicity. The website provides great services that travelers need the most. This research discusses the technical aspects of the development, challenges faced, and the future scope of the website.

1. Introduction

It is the era of evolving technologies where almost every work is done with the help of a technology. With the evolution of technology everyone wants his/her work to be done in seconds. The demand of travel websites is rising day by day and it is important to note that, people want simple and quick website for building their travel itinerary. The traditional method of planning itinerary and spending hours on it is very time consuming and exhausting. The travel itinerary builder is a web-based solution for saving time and energy and also simplifies the process. It builds a perfect itinerary for your trip so that you would not miss anything. Different necessary services are provided so that you don't have wander here and there.

This research focuses on building an itinerary planner using simple web technologies HTML, CSS and Java Script. The objective of such website is to create a lightweight tool that is accessible across devices without the requirement of backend infrastructure.

1.1 Objectives

- To reduce the time taken by the traditional planning of itinerary by switching to digital planning of itinerary.
- Trying to make best possible user-experience (UX) so that the user gets best plan for them and manage the things easily.
- To provide important services like food facility, hospital facility, ticket booking in advance, hotel booking, itinerary planning and many more.
- To ensure compatibility across different devices with the help of responsive design principles.

1.2 Scope of the study

The website covers the following services:

- Food facility
- Hospital facility
- Provide travel guide
- Hotel booking
- Ticket booking
- Itinerary planning
- Includes 20+ cities of different countries to choose travel destination
- Tour packages are provided

2. Literature Review

By analyzing different websites or tools that offers the service of itinerary planning, but the existing tools often requires paid subscription or accounts.

Studies shows that the user wants a tool that offers the following services:

- Free of cost trip planner
- User-Friendly interface so they can find things easily with more clarity
- Requires minimum setup
- Do the work in seconds

2.1 Issues in existing itinerary planners or other tools:

- Complex for the non-technical users to navigate
- Applies charges on planning trips
- Limited options of services

These limitations encourage to build the proposed itinerary builder.

3. Methodology

The website was designed by keeping in mind the simplicity and the clarity users want. It was designed using the following approach steps:

3.1 Frontend development

- HTML (Hyper Text Markup Language) for structure or layout of the website.
- CSS (Cascading Style Sheets) for the user-friendly design.
- Java Script for the functionality and to add dynamic features.

3.2 Features

- Dynamic UI design for responsiveness
- Added blogs of the experienced people who previously used the website.
- Top destinations to choose from.
- Easy to navigate for the non-technical users

4. Conclusion

This research demonstrated the feasibility of a simple itinerary planner made using only frontend development tools: HTML, CSS, and Java Script. The tool provides efficient, intuitive, and easy travel planning. It includes different cities/countries to choose the best destination and provides necessary services. Future work of the website could integrate machine learning, artificial intelligence, features like map APIs and cloud storage for multiple device accessibility.

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