PROJECT SYNOPSIS

ON

"ONLINE TRAVEL TRIP PLANNER"

Submitted in partial fulfilment of their requirements for the award of diploma in

INFORMATION TECHNOLOGY

Under the supervision of

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CONTENT

INTRODUCTION

A Online Travel Trip Planner website is like a hub for a places. An online travel trip planner is a digital tool designed to help users organize and manage their travel plans efficiently. These platforms offer a range of features to streamline the entire travel planning process, from booking flights and accommodations to creating detailed itineraries.
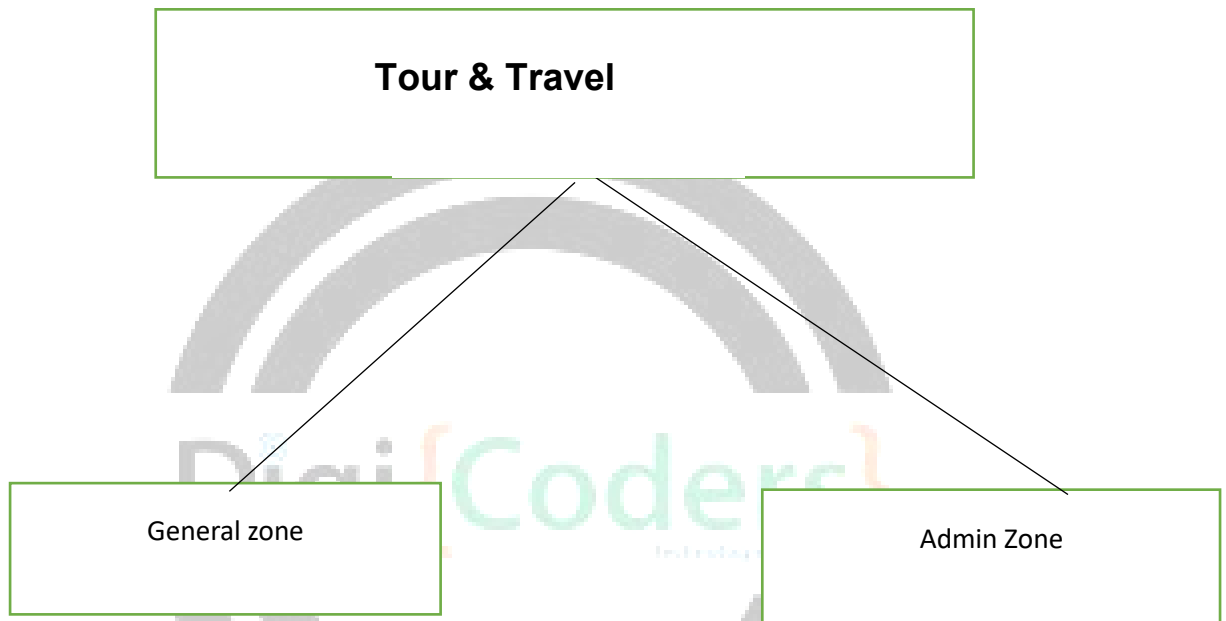
OBJECTIVE

The primary objectives of an online travel trip planner are to simplify and enhance the travel planning process for users. Here are some key goals:

1. **Centralized Planning**: Provide a single platform where users can manage all aspects of their trip, including flights, accommodations, transportation, and activities[1].
2. **Ease of Use**: Offer an intuitive and user-friendly interface that makes it easy for users to plan their trips, even if they are not familiar with the destination[2].
3. **Personalization**: Use AI and machine learning to offer personalized recommendations based on user preferences, past travel history, and current trends[1].
4. **Collaboration**: Enable users to collaborate with friends or family members in real-time, making it easier to plan group trips[1].
5. **Expense Management**: Help users track their travel expenses and manage their budget effectively, including features for splitting costs among travel companions[1].
6. **Comprehensive Itineraries**: Allow users to create detailed itineraries that include all planned activities, sightseeing spots, dining options, and more[3].
7. **Offline Access**: Provide offline access to itineraries and essential travel information, ensuring users can view their plans without an internet connection.
8. **Route Optimization**: For road trips, optimize routes to save time and fuel, enhancing the overall travel experience[1].
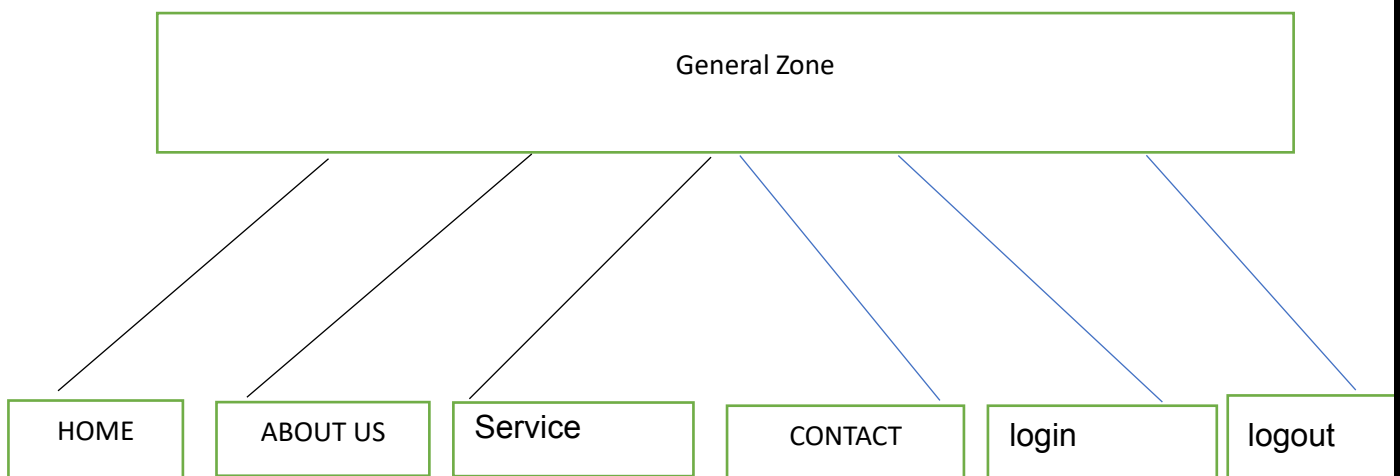
These objectives aim to make travel planning more efficient, enjoyable, and tailored to individual needs, ultimately enhancing the overall travel experience.

PROCESS DESCRIPTION

Zone for Project-

```
           ┌─────────────────────────────────┐
           │         Tour & Travel           │
           └─────────────────────────────────┘
              ╱                         ╲
    ┌──────────────────┐         ┌──────────────────┐
    │   General zone   │         │    Admin Zone    │
    └──────────────────┘         └──────────────────┘
```

Working with General Zone

```
┌──────────────────────────────────────────────────────────┐
│                      General Zone                        │
└──────────────────────────────────────────────────────────┘
```

| HOME | ABOUT US | Service | CONTACT | login | logout |

HOME - Home page is the first page of general Zone. This Contains menu bar with logo, Aslider, Vision and Mission and Footer mainly

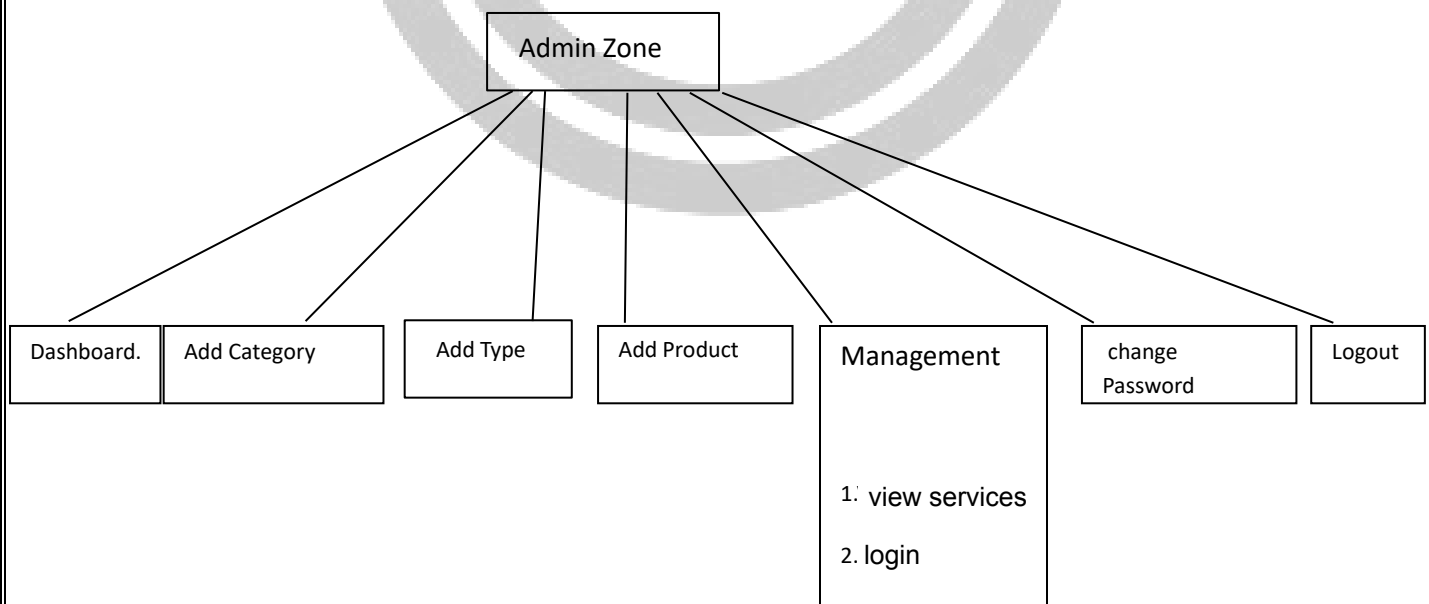**ABOUT US** - About us page talks about history and introduction of the website.

SERVICES - This page contained   Services e.g.

CONTACT US - This page contains contact details for any queries. This page also contains google map of website location using google map API and a contact form using enquiry.

LOG IN :-This page contains registration form for users.
Name, Email, Mobile Password, Gender, Address, Pic, captcha etc.

LOGOUT :- This Page contains login form for users.
Email, password & Button.

Working with Admin Zone

```
                          ┌──────────────┐
                          │  Admin Zone  │
                          └──────────────┘
```

Dashboard.	Add Category		Add Type		Add Product		Management		change Password		Logout

Management:
1. view services
2. login

DASHBOARD - Dashboard of Master Zone is a static page containing a well displayed menu of Admin zone with the active hyperlink to related page. You can use some special effects and animation to make it more interactive.

ADD CATEGORY - From here admin can add category of a Product.

ADD TYPE - From here we can add a type on behave of category .(category and type).

ADD PRODUCT- From here we can add a product .(category,type,Product name,Product model,price,MRP,discount,size colour,description,quantity,image).

MANAGEMENT - From here this contains four parts:

> View Purchase-This Page displays all purchase products by users.

> Product-This Page contains all product added by admin and update the quantity.

> User-This page contains all users which is registered from general zone.

> Contact-This Page contains all enquiri4es from contact page.

Change Password - From here admin can change the password, provided previous .This Password will be used for next time login.

Logout - Logout page will destroy the created session at the time of login in Admin Zone and redirect at login Page

DATA MODELLING

Table Name - Tbl_adminlogin

Field-name	Type	size	
Id	Int	5	Primary key (AI)
Email	varchar	100	
Password	varchar	200	

Table Name - Tbl_Category:

Field-name	Type	size	
catid	Int	5	Primary key (AI)
category	varchar	100	
Date-on	Date		

Table Name:Tbl_Product

Field-name	Type	size	
pid	int	5	Primary Key(AI)
catid	int	5	
Tid	int	5	
Product name	varchar	300	
Product Model	varchar	500	
Price	varchar	20	
MRP	varchar	10	
Size	Enum	S,M,L,XL,XXL	
color	Varchar	20	
Description	Long text		
Image	Varchar	500	
quantity	Varchar	10	
Added-at	Date		

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TECHNOLOGY

To develop this project the various technology is used-

- Front End-HTML, CSS, JavaScript and Bootstrap
- Back End-SQLite, Database
- Programming Language-Python
- Frame Work-Django
- IDLE-PyCharm

SPECIFICATION

SOFTWARE REQUIREMENT

- Windows (Depends on your pc)
- Python 3.7.3 and PyCharm
- Browser

HARDWARE REQUIREMENT

- Processor (i3, i5, i7, i9)
- RAM (32 GB,64 GB)

FUTURE SCOPE

The future of online travel trip planners looks incredibly promising, with several innovative trends and technologies set to transform how we plan and experience travel. Here are some key developments to look forward to:

1. **Artificial Intelligence (AI) and Machine Learning**: AI will continue to play a significant role in personalizing travel experiences. AI-powered trip planners can analyze user preferences, travel history, and social media activity to provide highly tailored recommendations for destinations, accommodations, and activities[12].

2. **Virtual and Augmented Reality (VR/AR)**: These technologies will allow travelers to explore destinations virtually before booking. This immersive experience can help users make more informed decisions about where to go and what to do[23].

3. **Predictive Analytics**: AI-driven predictive analytics will anticipate potential travel disruptions, such as flight delays or cancellations, and suggest alternative plans. This will help travelers avoid inconveniences and have smoother trips[2].

4. **Real-Time Translation**: AI-powered translation tools will make it easier for travelers to communicate with locals and navigate foreign destinations, even if they don't speak the local language[2].