Project Report

Theme: Trip Planner

Category: Web Application Development

"EXPENSE VOYAGE WEB APPLICATION"

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Background

Traveling, whether for business or leisure, often involves managing multiple expenses. These expenses can quickly accumulate, leading to the necessity for meticulous tracking to stay within budget. Many travelers, however, struggle with maintaining an organized record of their expenditures, leading to overspending, loss of receipts, and difficulty in reimbursement claims. Traditional methods of tracking expenses, such as manual entry in spreadsheets or keeping physical receipts, are cumbersome and prone to errors. With the rise of digital transformation, there is a growing demand for automated solutions that simplify expense management. The proliferation of smartphones and easy Internet access provide an excellent opportunity to develop a Web application that addresses these challenges effectively.

Proposed Solution

To make it easier for users, a Web application titled ExpenseVoyage is to be developed. This Web application will enable users to register, and thereafter facilitate efficient and user-friendly tracking of travel expenses and more. The application will cater to individual travelers as well as groups ensuring seamless and collaborative expense tracking.

Purpose of this Document

The purpose of this document is to present a detailed description of ExpenseVoyage Web application. This document will explain the purpose and features of the application, the interfaces of the application, what the application will do, and so on. This document is intended for both stakeholders and developers of the system.

Scope of Project

This will be a Web application to be used by individuals. The ExpenseVoyage Web application aims to provide a comprehensive and user-friendly solution for travelers to manage and track their travel expenses.

Functional Requirements

The Web application will be designed with a set of forms/pages with menus representing choice of activities to be performed.

Following are the functional requirements of the application:

For Users:

1) Home Page and Dashboard

a) Personalized Welcome Message

• It will display an attractive visual and menus for various operations including basic functionality such as Registration and Login. After users are logged in, they will be able to access various menus.

• The home page must display a personalized welcome message with the user's name on logging in.

b) Current/Upcoming Trip Overview

• The home page must show an overview of current or upcoming trips including destination, dates, key itinerary items, and remaining budget. c) Recent Activities

• Display a list of recent activities including logged expenses and itinerary updates. © Aptech Limited

2) User Management

a) User Registration and Login

• Users must be able to register using their email address and password.

• Provide password recovery and reset functionalities. b) User Profile Management

• Users must be able to create and edit their profile including personal information, preferred currency, and travel preferences.

• Users must be able to upload a profile picture.

3) Trip Planning

a) Create and Manage Trips

• Users must be able to create a new trip by specifying the destination, start date, and end date.

• Users must be able to edit and delete existing trips.

• Users must be able to view a list of all their trips.

b) Itinerary Management

• Users must be able to add, edit, and delete itinerary items including flights, accommodations, and activities.

• Itinerary items must be categorizable (for example, transport, lodging, and activities).

4) Expense Tracking

a) Real-Time Expense Logging

• Users must be able to log expenses manually, specifying the amount, category, date, and notes.

• Users must be able to edit and delete logged expenses.

b) Budget Management

• Users must be able to set an overall budget for each trip.

• Users must be able to set category-specific budgets (for example, accommodation, food, and transport).

• The application must provide real-time tracking of expenses against the set budget.

• Users must receive alerts when they are approaching or exceeding their budget.

c) Currency Conversion

• The application must support multiple currencies [at least four, including USD $, Euro €, GBP £, and your Local Currency] and provide exchange rates.

• Expenses must be convertible to the user's preferred currency. © Aptech Limited

5) Reports

a) Expense Reports

• Generate detailed expense reports summarizing expenses by category and trip.

6) Notifications and Reminders

a) Reminders

• Send daily notifications to log expenses.

• Provide reminders for upcoming itinerary items.

b) Alerts

• Send budget alerts to notify users when they are approaching or exceeding their spending limits. For Admin

• Login: It will allow Admin to login to the Web Application.

• Add/Modify/Delete: It will allow Admin to perform these operations - Add and Manage destinations. - Add and Manage tours/trips with their itinerary. - Add Currency and exchange rates. Common to both Admin and Users

• Search/Filter: These options enable search or filter for a particular trip/tour or destination and so on based on specific criteria.

• Sort: This option enables sorting of data based on specific criteria.

• About Us: Description of services offered by the Web application.

• Image Gallery: Gallery showcasing various locations.

• Contact Us: A form to accept user queries with fields for name, email, contact number, and message.

Non-Functional Requirements

There are several non-functional requirements that should be fulfilled by the application.

These include:

• Safe to use: The application should not result in any malicious downloads or unnecessary file downloads.

• Accessibility: The application should have clear and legible fonts, user-interface elements, and navigation elements.

• User-friendliness: The application should be easy to navigate with clear menus and other elements and easy to understand.

• Operability: The application should be reliable and efficient.

• Performance: The application should demonstrate high value of performance through speed and throughput. In simple terms, the application should have minimal load time and smooth page redirection.

• **Scalability:** The application architecture and infrastructure should be designed to handle increasing user traffic, data storage, and feature expansions.

• **Security:** The application should implement adequate security measures such as authentication. For example, only registered users can access certain features.

• **Availability:** The application should be available 24/7 with minimum downtime.

• **Compatibility:** The application should be compatible with latest browsers and various devices.

Database Design:

trip_travel users
- user_id : int(11)
- user_image : varchar(255)
- password_hash : varchar(255)
- first_name : varchar(255)
- last_name : varchar(255)
- date_time : datetime
- code : int(10)
- is_verified : tinyint(1)

trip_travel user_otps
- id : int(11)
- user_id : int(11)
- email : varchar(255)
- otp : varchar(6)
- created_at : timestamp
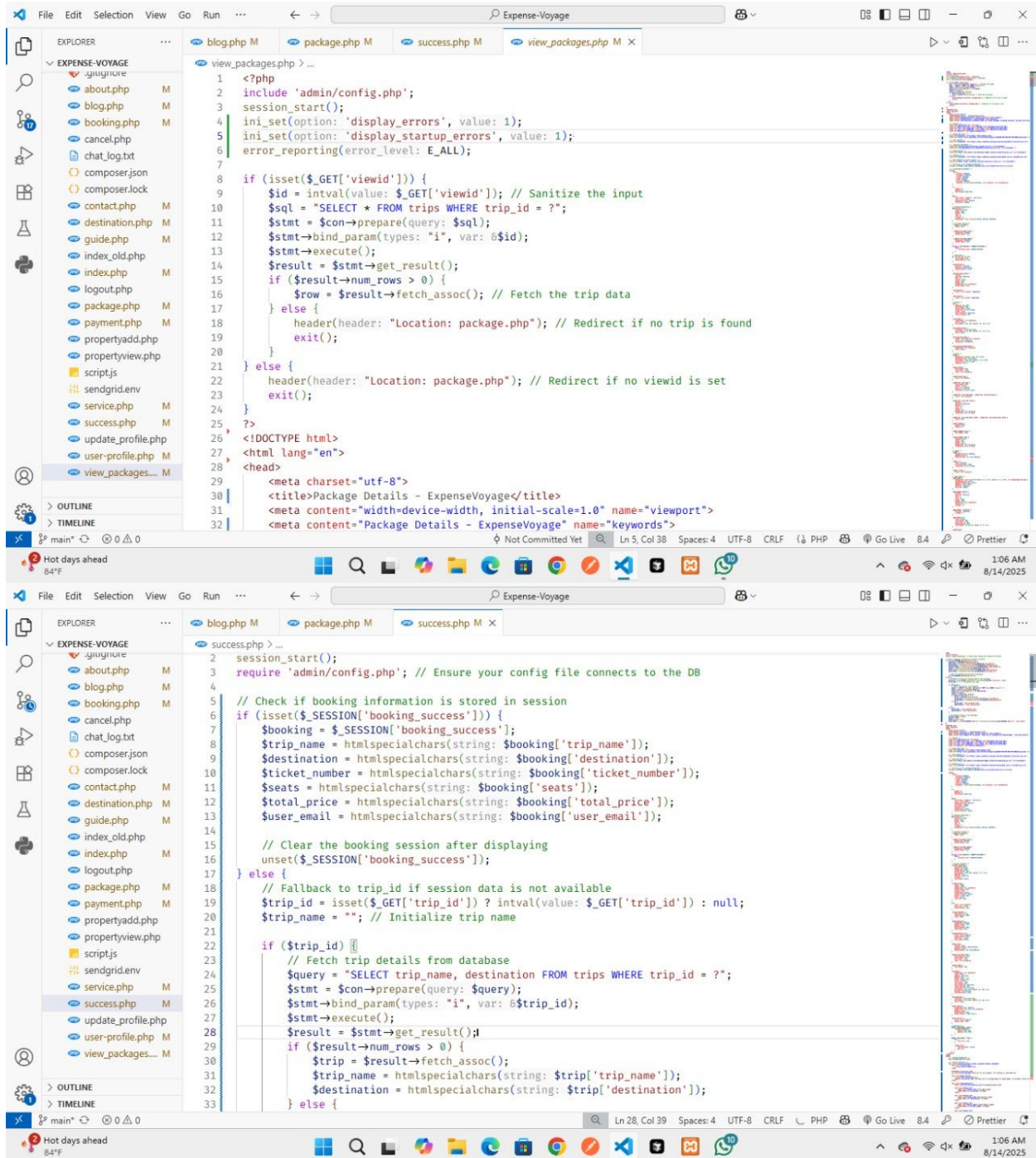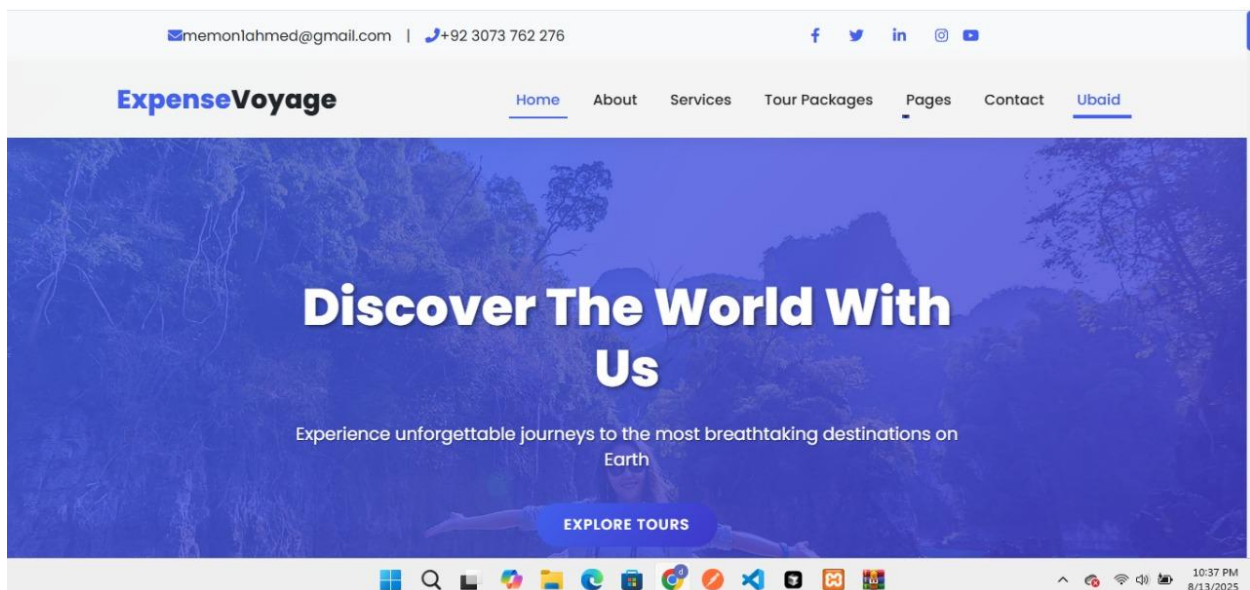- expires_at : timestamp
- is_used : tinyint(1)
- is_verified : tinyint(1)

trip_travel city
- city_id : int(11)
- country_name : varchar(255)
- city_name : varchar(255)
- cover_image : varchar(500)

trip_travel user
- id : int(11)
- name : varchar(255)
- email : varchar(255)
- password : varchar(255)
- profile_image : varchar(255)
- is_verified : tinyint(1)
- verification_token : varchar(255)
- token_expiry : datetime
- token : varchar(255)
- reset_token : varchar(255)
- user_image : varchar(255)
- created_at : timestamp
- updated_at : timestamp
- otp : varchar(6)
- otp_expiry : datetime

trip_travel blog
- blog_id : int(11)
- blog_title : varchar(255)
- blog_image : varchar(255)
- timestamp : datetime

trip_travel agent
- id : int(50)
- a_name : varchar(255)
- a_profetion : varchar(255)
- a_image : varchar(255)
- date_time : datetime

trip_travel trips
- trip_id : int(11)
- user_id : int(11)
- trip_image : varchar(255)
- trip_name : varchar(255)
- description : longtext
- starts_date : date
- end_date : date
- destination : varchar(255)
- budget : int(11)
- persons : int(255)
- booked_seats : int(11)
- seats_available : int(11)
- stars : int(10)
- duration_days : int(255)

trip_travel admin
- aid : int(11)
- auser : varchar(100)
- aemail : varchar(150)
- adob : date
- aphone : varchar(15)
- apass : varchar(255)
- created_at : timestamp
- updated_at : timestamp

trip_travel contactus
- contact_id : int(11)
- name : varchar(255)
- email : varchar(255)
- subject : varchar(255)
- message : text

trip_travel password_resets
- id : int(11)
- email : varchar(255)
- token : varchar(255)
- expires_at : datetime
- created_at : timestamp

trip_travel driver_details
- driver_id : int(11)
- driver_name : varchar(100)
- driver_license : varchar(50)
- driver_phone : varchar(20)
- driver_email : varchar(100)
- driver_experience : int(3)
- driver_image : varchar(255)
- driver_address : text
- driver_rating : decimal(2,1)
- created_at : timestamp
- updated_at : timestamp

trip_travel review
- id : int(50)
- userid : int(50)
- email : varchar(50)
- image : varchar(255)
- usermessage : varchar(500)
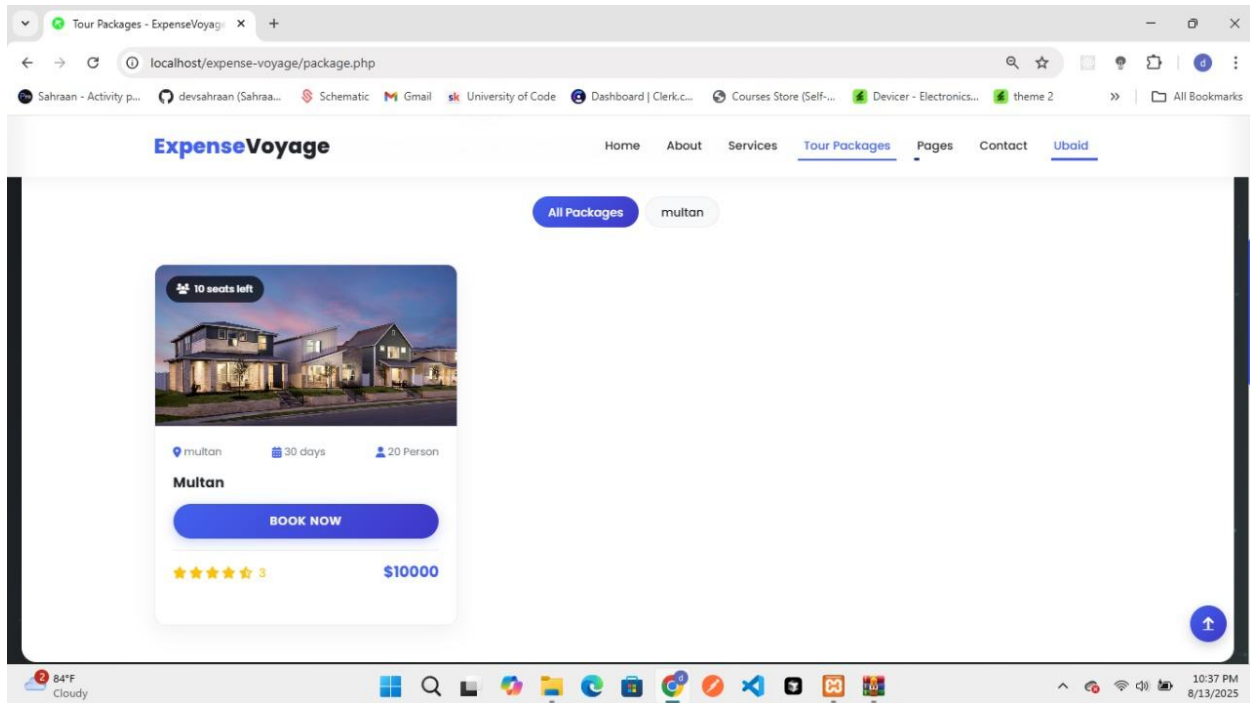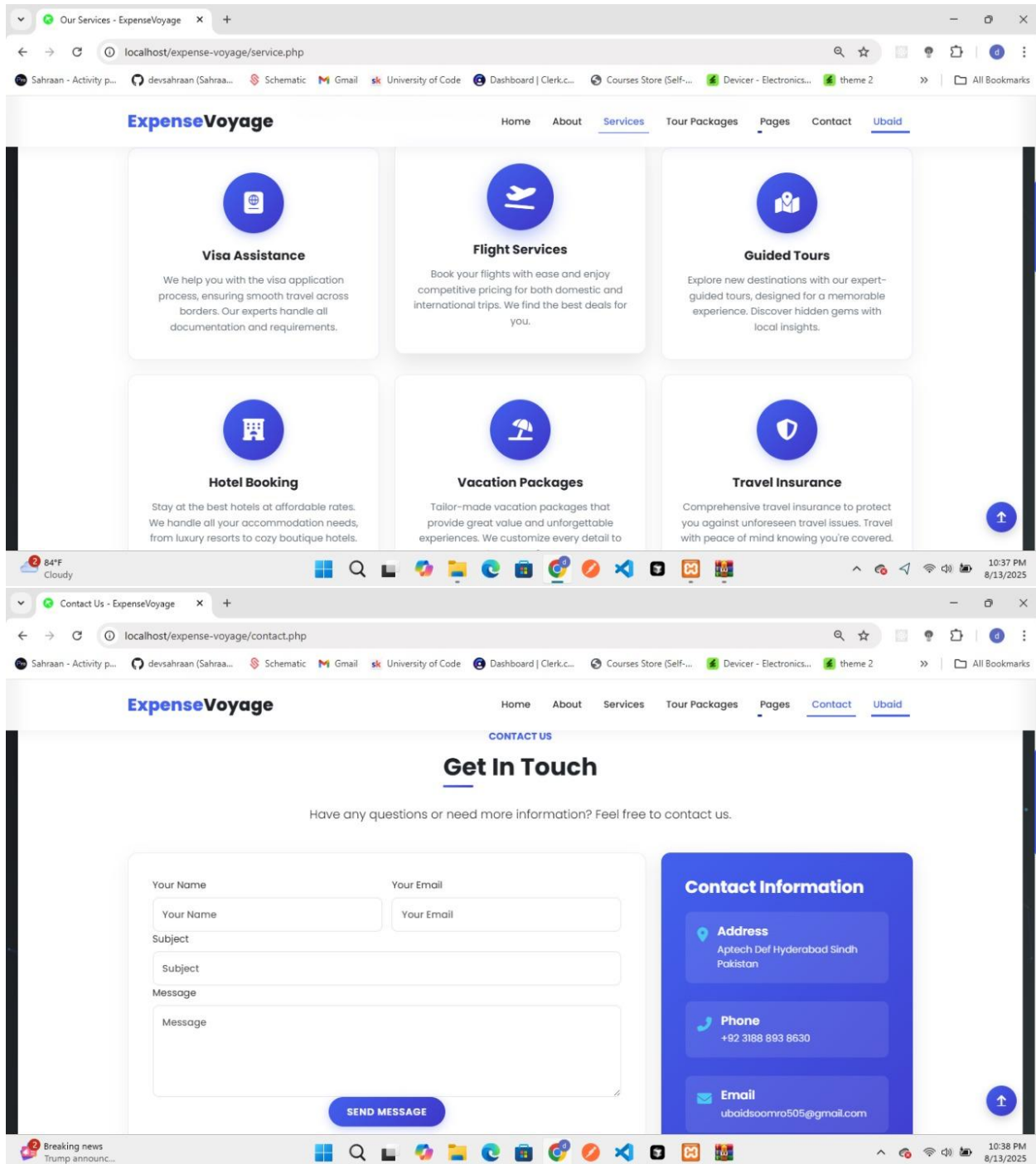- date_time : datetime
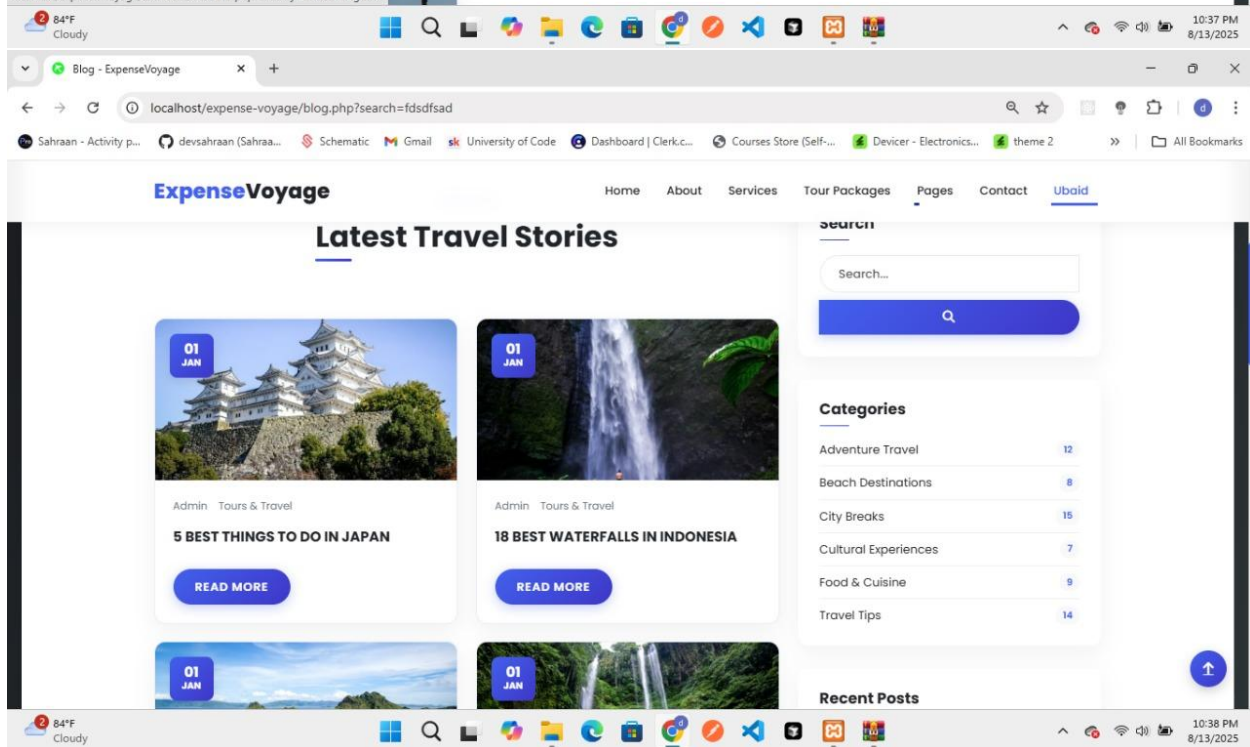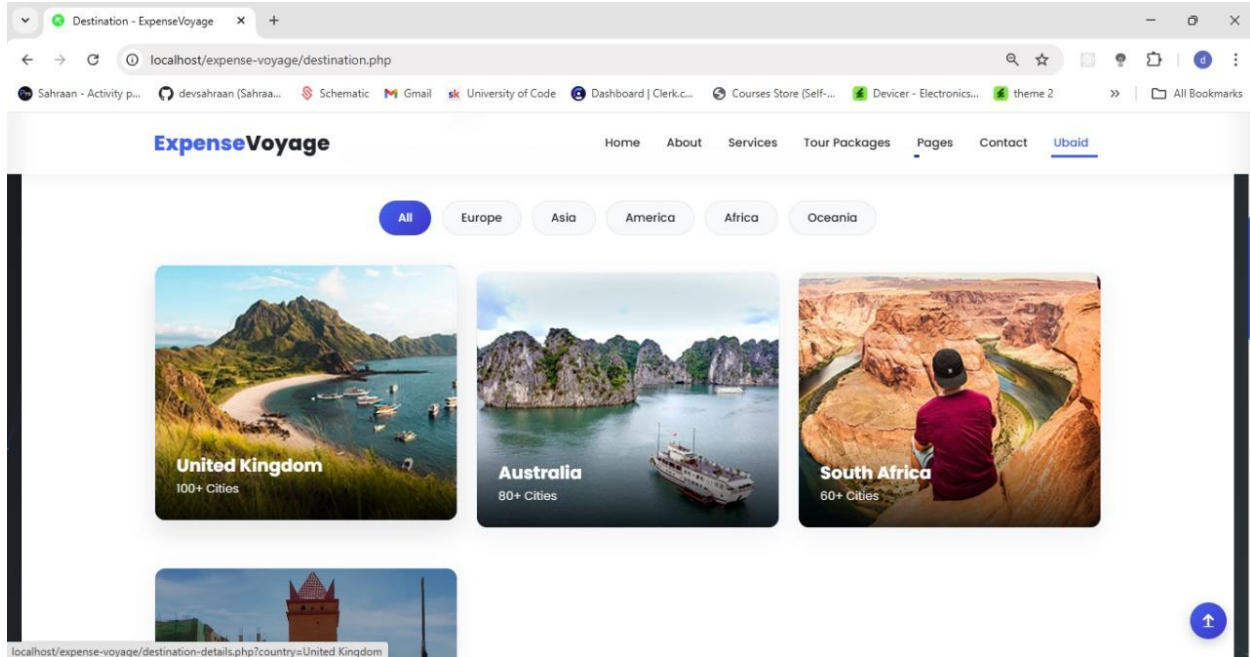- username : varchar(255)

Source Code Screenshots


```php
<?php
session_start();
include 'admin/config.php';
ini_set(option: 'display_errors', value: 1);
ini_set(option: 'display_startup_errors', value: 1);
error_reporting(error_level: E_ALL);

// Fetch destination values from the 'trips' table
$query = "SELECT DISTINCT destination FROM trips";
$result = $con→query(query: $query);
$destinations = [];
if ($result) {
    while ($row = $result→fetch_assoc()) {
        $destinations[] = $row['destination'];
    }
}

// Fetch review data
$reviewQuery = "SELECT * FROM review";
$reviewResult = mysqli_query(mysql: $con, query: $reviewQuery);

if (!$reviewResult) {
    die("Query failed: " . mysqli_error(mysql: $con));
}

// Close the database connection
mysqli_close(mysql: $con);
?>

<!DOCTYPE html>
<html lang="en">
<head>
```
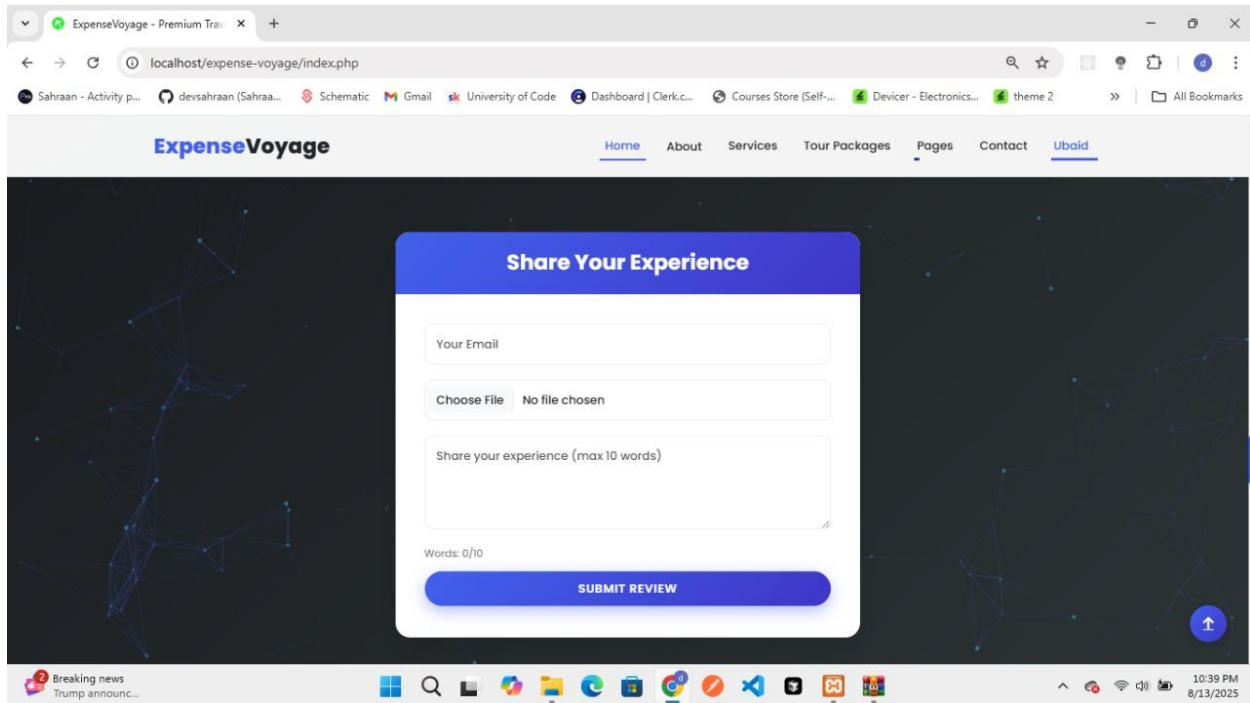
view_packages.php

```php
<?php
include 'admin/config.php';
session_start();
ini_set(option: 'display_errors', value: 1);
ini_set(option: 'display_startup_errors', value: 1);
error_reporting(error_level: E_ALL);

if (isset($_GET['viewid'])) {
    $id = intval(value: $_GET['viewid']); // Sanitize the input
    $sql = "SELECT * FROM trips WHERE trip_id = ?";
    $stmt = $con→prepare(query: $sql);
    $stmt→bind_param(types: "i", var: &$id);
    $stmt→execute();
    $result = $stmt→get_result();
    if ($result→num_rows > 0) {
        $row = $result→fetch_assoc(); // Fetch the trip data
    } else {
        header(header: "Location: package.php"); // Redirect if no trip is found
        exit();
    }
} else {
    header(header: "Location: package.php"); // Redirect if no viewid is set
    exit();
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>Package Details - ExpenseVoyage</title>
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
    <meta content="Package Details - ExpenseVoyage" name="keywords">
```

success.php

```php
    session_start();
    require 'admin/config.php'; // Ensure your config file connects to the DB

    // Check if booking information is stored in session
    if (isset($_SESSION['booking_success'])) {
        $booking = $_SESSION['booking_success'];
        $trip_name = htmlspecialchars(string: $booking['trip_name']);
        $destination = htmlspecialchars(string: $booking['destination']);
        $ticket_number = htmlspecialchars(string: $booking['ticket_number']);
        $seats = htmlspecialchars(string: $booking['seats']);
        $total_price = htmlspecialchars(string: $booking['total_price']);
        $user_email = htmlspecialchars(string: $booking['user_email']);

        // Clear the booking session after displaying
        unset($_SESSION['booking_success']);
    } else {
        // Fallback to trip_id if session data is not available
        $trip_id = isset($_GET['trip_id']) ? intval(value: $_GET['trip_id']) : null;
        $trip_name = ""; // Initialize trip name

        if ($trip_id) {
            // Fetch trip details from database
            $query = "SELECT trip_name, destination FROM trips WHERE trip_id = ?";
            $stmt = $con→prepare(query: $query);
            $stmt→bind_param(types: "i", var: &$trip_id);
            $stmt→execute();
            $result = $stmt→get_result();
            if ($result→num_rows > 0) {
                $trip = $result→fetch_assoc();
                $trip_name = htmlspecialchars(string: $trip['trip_name']);
                $destination = htmlspecialchars(string: $trip['destination']);
            } else {
```

Application Screenshots

Our Services - ExpenseVoyage

localhost/expense-voyage/service.php

ExpenseVoyage

Home About **Services** Tour Packages Pages Contact Ubaid

Visa Assistance

We help you with the visa application process, ensuring smooth travel across borders. Our experts handle all documentation and requirements.

Flight Services

Book your flights with ease and enjoy competitive pricing for both domestic and international trips. We find the best deals for you.

Guided Tours

Explore new destinations with our expert-guided tours, designed for a memorable experience. Discover hidden gems with local insights.

Hotel Booking

Stay at the best hotels at affordable rates. We handle all your accommodation needs, from luxury resorts to cozy boutique hotels.

Vacation Packages

Tailor-made vacation packages that provide great value and unforgettable experiences. We customize every detail to

Travel Insurance

Comprehensive travel insurance to protect you against unforeseen travel issues. Travel with peace of mind knowing you're covered.

84°F
Cloudy

10:37 PM
8/13/2025

Contact Us - ExpenseVoyage

localhost/expense-voyage/contact.php

ExpenseVoyage

Home About Services Tour Packages Pages Contact Ubaid

CONTACT US

Get In Touch

Have any questions or need more information? Feel free to contact us.

Your Name

Your Name

Your Email

Your Email

Subject

Subject

Message

Message

SEND MESSAGE

Contact Information

Address
Aptech Def Hyderabad Sindh Pakistan

Phone
+92 3188 893 8630

Email
ubaidsoomro505@gmail.com

Breaking news
Trump announc...

10:38 PM
8/13/2025

Application Screenshots (Dashboard).

Admin Management

Dashboard > Admin List

Admin List

Show 10 entries

Search records...

#	NAME	EMAIL	DATE OF BIRTH	CONTACT	PASSWORD (HASHED)	ACTION
1	Ubaid Soomro	ubaidsoomro505@gmail.com	2002-06-16	1234567890	@321	EDIT

Showing 1 to 1 of 1 entries

Previous 1 Next

Ubaid Soomro
Administrator

LOGOUT

User Management

Dashboard > User List

User List

Show 10 entries

Search records...

#	NAME	EMAIL	ACTION
1	Ubaid	ubaidsoomro505@gmail.com	DELETE
2	Ahmed	memon1ahmed@gmail.com	DELETE
3	Muntaha	sheikhmuntaha26@gmail.com	DELETE
4	Ali Hassan	alihassanchand32@gmail.com	DELETE
5	Ali Hassan Chand	alihassanchand24@gmail.com	DELETE