

Web based solution to help Uttarakhand Tourism

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Abstract: Tourism became a common topic while the level of tourist requirements increased dramatically. Generally traditional travel websites provide general information or price lists of hotels, transport tickets, etc. The helping hand of our website provides information about places which are not very known to the visitors and are not mentioned on existing websites also. Currently, there are few websites which are available for booking and searching various places of Uttarakhand but those lag in user friendliness and accurate information about that city or place. To get all the information about a particular place such as time Local Cuisine, Hidden gems, we created a dynamic website using HTML CSS PHP MYSQL.

Keywords: Hidden gems, Local Cuisine, PHP.

I. INTRODUCTION

Tourism has turned out to be an economic booster contributing to the economic development of many countries over the last few decades. People see holidays as a necessity, and not as a luxury in the present scenario. Tourism calls for coordination and cooperation between travel agents, tour operators, and tourists. Tourism has a few major elements – destinations, attractions, sites, accommodation. But present websites which are available to the public are lagging in providing these things and even if they are providing this, there is no sufficient data about places, Food, Temples and culture. The project includes a web application which will provide information about all the famous things (e.g., food, places, handicrafts etc.). It is an Online Tourism Information System which is developed for the Uttarakhand government and can be used by tourists, local peoples and any person who visits Uttarakhand. Tourism has numerous tangible and intangible elements. Major tangible elements include transportation, accommodation and other components of the hospitality industry. Major intangible elements include places to rest, eat, travel and the culture of that place. Tourism is vital for all countries, due to the income generated by the consumption of goods and services by tourists, the taxes levied on businesses in the tourism industry, and the opportunity for employment and economic advancement by working in the industry. This application will make these tangible and intangible things easier to find. By this web application the tourist can easily plan their visit to Uttarakhand and can discover more and more things in limited time.

II. METHODOLOGY

In PHP, we created a MySQL database to collect the user's email address and password for registration.

In the table below, you can see some user entries with the column's username, email address, password one, password two, a confirmation password, and created date. When a user creates an account on our website, there are entries for three users: Apoorva, Atharv, and Devendra, where you can see the email ID of all three users and the password. We apply a constraint here: because passwords 1 and 2 are verification passwords, they must have the same value.

				username	email	city	password_1	password_2	created_at
<input type="checkbox"/>	Edit	Copy	Delete	apoorva	apoorva@gmail.com	Jabalpur	apoorva26	apoorva26	2022-11-12 12:22:33
<input type="checkbox"/>	Edit	Copy	Delete	atharv	atharv@gmail.com	Indore	atharv.12	atharv.12	2022-11-12 12:21:02
<input type="checkbox"/>	Edit	Copy	Delete	devendra	devendra@acropolis.in	Indore	devendrasingh	devendrasingh	2022-11-12 12:22:33

☐ Check all With selected: Edit Copy Delete Export

Below is the Php program where we use `isset($_POST['reg_user'])` -> This is the class where we collect the data from users.

\$travelbug is the database for storing the username and password.

```
<?php
session_start();

// initializing variables
$username = "";
$email = "";
$errors = array();

// connect to the database
$db = mysqli_connect('localhost', 'root', '', 'travelbug');

// REGISTER USER
if (isset($_POST['reg_user'])) {
    // receive all input values from the form
    $username = mysqli_real_escape_string($db, $_POST['username']);
    $email = mysqli_real_escape_string($db, $_POST['email']);
    $city = mysqli_real_escape_string($db, $_POST['city']);
    $password_1 = mysqli_real_escape_string($db, $_POST['password_1']);
    $password_2 = mysqli_real_escape_string($db, $_POST['password_2']);

    // form validation: ensure that the form is correctly filled ...
    // by adding (array_push()) corresponding error unto $errors array
    if (empty($username)) {
        array_push($errors, "Username is required");
    }
    if (empty($email)) {
        array_push($errors, "Email is required");
    }
    if (empty($city)) {
        array_push($errors, "City is required");
    }
    if (empty($password_1)) {
        array_push($errors, "Password is required");
    }
    if ($password_1 != $password_2) {
        array_push($errors, "The two passwords do not match");
    }
}
```

```
// first check the database to make sure
// a user does not already exist with the same username and/or email
$user_check_query = "SELECT * FROM users_master WHERE username='$username' OR email='$email' LIMIT 1";
$result = mysqli_query($db, $user_check_query);
$user = mysqli_fetch_assoc($result);

if ($user) { // if user exists
    if ($user['username'] === $username) {
        array_push($errors, "Username already exists");
    }

    if ($user['email'] === $email) {
        array_push($errors, "email already exists");
    }
}

// Finally, register user if there are no errors in the form
if (count($errors) == 0) {
    $password = md5($password_1); //encrypt the password before saving in the database

    $query = "INSERT INTO users_master (username, email, city, password_1, password_2)
    | VALUES('$username', '$email', '$city', '$password', '$password_2')";
    mysqli_query($db, $query);
    $_SESSION['username'] = $username;
    $_SESSION['email'] = $email;
    $_SESSION['success'] = "You are now logged in";
    header('location: index.php');
}
}
```

III. PERFORMANCE EVALUATION

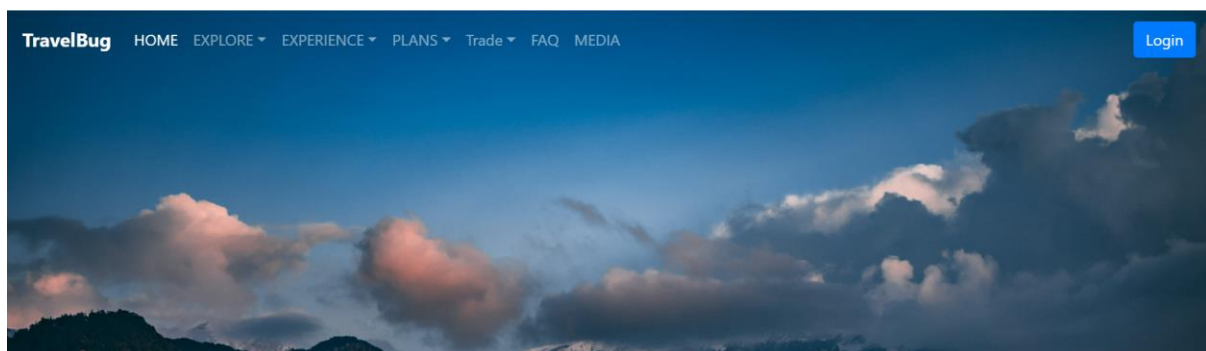
We discussed all about the problem regarding tourism in Uttarakhand and we also found the solution and we also discussed how we are going to implement all these things through programming, through PHP in the methodology section.

Now here we are going to discuss what the final product looks like. It matches the expectations of the user or not. What A website looks like.

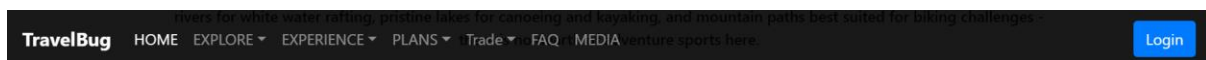
Here you can see that in the screenshot of the homepage we provide various dropdowns for users according to their needs, like:

- Explore
- Experience
- Plans
- Trade

In Exploring, the user can search for hidden places and food. People can also explore the real test of Uttarakhand also about Natural sceneries, mountains ,rivers ,temples, wildlife centuries.



In Experience, users have the option of traditional events where they can get information about festivals that are going to be celebrated in Uttarakhand by small tribes and other cultures. Users can go through the adventure option where they can see various adventure activities like bungee jumping, river rafting, mountain e.t.c..



In plans, we create a bunch of plans where users can select according to their budget and number of days. Users can see the detailed plans where we are taking them each day and facilities we provide during the trip also about stay and all meals.

RISHIKESH – KEDARNATH – BADRINATH - RISHIKESH

Tour No: 1
No. of Persons Allowed per Ticket: 1
Reporting Time: One day before departure (Pre Night Sunday accommodation included)
Reporting Location: Bharat Bhoomi Tourist Complex, Shail Vihar, Rishikesh Tel: 0135-2433002
Duration: 6 Days
Frequency: Monday
Mode of Transport: Non AC 2x2 (27 Seater) Non AC Bus
Book Now

Period	Adult	Child	Sr.Citizen
May to Jun	Rs.18200	Rs.17450	Rs.17100
Jul to Aug	Rs.14550	Rs.13950	Rs.13650
Sep to Oct	Rs.18200	Rs.17450	Rs.17100

[Google Map](#) [Travel Agents](#)

ITENARY

Day 1



RISHIKESH

06:30 AM - 01:00 PM

(After morning tea, breakfast at Kaudiyala, see the famous Raghunath temple & confluence view of Alaknanda and Bhagirathi at Devprayag)

Location Name: Rishikesh

Rishikesh is a city in India's northern state of Uttarakhand, in the Himalayan foothills beside the Ganges River. The river is considered holy, and the city is renowned as a center for studying yoga and meditation.

DAY 2



RUDRAPRAYAG

06:00 AM - 07:00 AM (Morning tea at Rudraprayag)

Location Name: Rudraprayag

After your morning tea, head to the next destination from Rudraprayag.

07:00 AM - 08:00 AM (Brief halt for breakfast & arrangement of pony / doli)

Location Name: Gaunikund

We have also mentioned the famous places, food, and handicrafts of the destination.

FAMOUS PLACES



Bramha Kapal



Tapt Kund



Charan Paduka

FAMOUS HANDICRAFTS



Aasan

IV. CONCLUSION

This application aims to eliminate the problems arising during an Uttarakhand trip due to lack of knowledge about the state. The application enlightens users about the famous and interesting tourist spots based on reviews and number of visits. User can search by any place (city/town/location) in multiple languages, application will recommend user with a list of best tourist spots, adventure activities, hotels, restaurants, and the regional cuisine to try. Users can use this application to plan the entire trip as the estimate cost of each activity/stay is briefed and make booking using application. A trip can be planned to depend on the budget of the traveler. This application will reduce the efforts of the user while planning a trip, eliminating the questions of where to go. Where to eat? What to eat? It will also show user the real-time rush of the place to avoid crowding. This application will left-help tourist spots to popularize and new businesses and state tourist to grow. Local businesses can put up their ads to expand. It will encourage new user to visit to Uttarakhand, giving them best deals on hotels and restaurants to plan their trip with a low budget, this will add a large chunk to state tourist revenue

REFERENCES

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