WanderPaths(WPL) - Tourism Web Site Development

By,

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**Project Description:**

Wander Paths Life (WPL) is the tourism website that allows the user to explore various tourism spots available across the world. The website also provides tourism packages that the user can plan their travel based on the budget that best fits them.

**Technologies used:**

MERN stack.

Express JS – Server-side framework to create API

React JS – Client-side framework design the webpage

Mongo DB – To store data

**Functionalities:**

The website includes following functionalities.

1.**Sign In & Sign Up**

The user must first sign up to enjoy all the benefits of the application. Sign up page collects Name, Email ID, Password. Email and password rules are defined. All fields must be filled in and passwords are salted and hashed before storing into database.

**2.Search/ Filter**

Once the user logs in, they can explore various places by searching for the name. They can also filter places based on the budget they are looking for. Website also blends search and filter.

**3.Carts & Check- out**

Once the user has explored the places, they can add to the favorites list, that they can come back and have a look. Once they have finalized the tourist steps they can add to the cart. The user is also given freedom to make changes in the cart. Once the user has finalized, they shall proceed to payment by checking out.

**4. Admin User**

The website provides the same user interface to the admin users. The role of the users – General/Admin user is controlled by the role, which was set in the backend. The role of the admin user is set to 1. Thus, as the user logs in, their role is checked in the backend and based on it, they are provided with different dashboard. Admin users are allowed to,

* Add/Update/Delete places (soft delete. Data retained in the database, and they can be enabled back for view by setting the value to true)
* Track all the transactions of the user.

**Database Design:**

**Categories:**

{

"\_id" : ObjectId("61aae08052bb6440348303b9"),

"name" : "Hill\_Places",

"createdAt" : ISODate("2021-12-04T03:29:04.654Z"),

"updatedAt" : ISODate("2021-12-04T03:29:04.654Z"),

"\_\_v" : 0

}

**Orders:**

{

"\_id" : ObjectId("61ac541c6e7d9f2db45e22fe"),

"status" : "Not processed",

"products" : [

{

"\_id" : ObjectId("61ac52736e7d9f2db45e22fd"),

"name" : "Yellow Stone",

"price" : 500,

"createdAt" : ISODate("2021-12-05T05:47:31.990Z"),

"updatedAt" : ISODate("2021-12-05T05:47:31.990Z"),

"\_\_v" : 0,

"count" : 1

}

],

"transaction\_id" : 123,

"amount" : 0,

"address" : "",

"user" : ObjectId("61a67913786dca15a4e837ee"),

"createdAt" : ISODate("2021-12-05T05:54:36.120Z"),

"updatedAt" : ISODate("2021-12-05T05:54:36.120Z"),

"\_\_v" : 0

}

**Products:**

{

"\_id" : ObjectId("61aae14e52bb6440348303ba"),

"sold" : 0,

"isDeleted" : false,

"category" : ObjectId("61aae08052bb6440348303b9"),

"shipping" : false,

"price" : 200,

"name" : "Canmore, Canada",

"description" : "Canmore is a town in Alberta, Canada, located approximately 81 kilometres west of the City of Calgary near the southeast boundary of Banff National Park. ",

"subname" : "Canmore",

"quantity" : 0,

"createdAt" : ISODate("2021-12-04T03:32:30.863Z"),

"updatedAt" : ISODate("2021-12-04T03:34:43.786Z"),

"\_\_v" : 0

}

**Users**

{

"\_id" : ObjectId("61a68082786dca15a4e837ef"),

"role" : 1,

"history" : [],

"name" : "Vasanth",

"email" : "Vasanth@gmail.com",

"salt" : "c3b48ab0-5216-11ec-9576-f71d2aef3491",

"hashed\_password" : "808e87686f47cb45b399b742211fa03fe3c31e10",

"createdAt" : ISODate("2021-11-30T19:50:26.780Z"),

"updatedAt" : ISODate("2021-11-30T19:50:26.780Z"),

"\_\_v" : 0

}

**Screenshots:**

**Work-Load division:**

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| --- | --- |
| **Functionality [Frontend + Backend]** | **Team – Member** |
| Sign up / Sign in and Hashing | Giftson |
| Search/Filter | Ashish |
| Product Page | Kaustubh |
| Favorites list – Add/Update/Delete items in the cart | Kaustubh |
| Paging | Ashish |
| Admin user activities | Giftson |
| Checkout | Kaustubh |
| User Dashboard and History | Ashish |
| Soft Delete | Giftson |
| Database Design | Kaustubh / Ashish / Giftson |