

Here&There

Discover the World at Your Fingertips

Project Overview

Here&There is a web application designed to enhance the way users explore and interact with geographical locations. Leveraging the power of geocoding and mapping technologies, Here&There provides a platform where users can search for places, view tourist attractions, and even plan their routes for travel. The application is built with a focus on user-friendly interfaces and efficient data processing, ensuring a seamless experience for all users.

Note: The project is in beta, so we added a database for Indian tourist places only.

Key Features

- **Geocoding and Reverse Geocoding:** Users can search for locations by name.
- **Tourist Attractions:** Display a list of tourist attractions in a selected area.
- **Map Clustering:** Visualize data points on the map with clustering, making it easier to identify areas of interest.
- **Firebase Authentication:** Utilizes Firebase for user authentication, providing secure login and signup functionalities.

Technologies Used

- **Languages:** HTML, JavaScript, Python
- **Frameworks/Libraries:** HERE Maps API, Firebase API
- **Tools:** Git

Getting Started

Prerequisites

- Git installed on your machine.
- A web browser for testing.

Installation

1. **Clone the Repository:** First, clone the project repository to your local machine using Git. Open your terminal and run:

```
git clone https://github.com/Tintin2310/HEREvolution-Codefest-BITS-Pilani.git
```

2. **Install Dependencies:** Navigate to the project directory and install any necessary dependencies. For this project, the dependencies are primarily

JavaScript libraries and CSS frameworks. These are included in the project and do not require additional installation.

3. **Configure API Keys:** The application uses the HERE Maps API for geocoding and mapping functionalities. You will need to obtain an API key from the HERE Developer Portal and configure it in the project. Open the script.js file and replace hereApiKey with your actual API key in the following script tags.
4. **Firestore Setup:** To use Firestore Authentication, you need to set up a Firestore project and obtain your Firestore configuration. Follow the Firestore documentation to set up your project and add your configuration to the Authentication.html file.
5. **Run the Application:** Open the index.html file in your preferred web browser to start using Here&There. The application should load, and you can begin exploring locations and features.

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