CS302L: SE Term Project

Team number	Team 1
Project Title	Culture Hub
Document	SE Project Concept Document
Existing Work	TheCultureTrip.com , OpenCulture.com
Differences	TheCultureTrip website is a tour organizing website. OpenCulture website is a news feed website. But ours is a social media platform for individuals to interact and learn about each other's cultures.
Technologies	MERN Stack, Google Maps API, Open AI API, (Three.js for 3D features: tentative)
Customers	Any individual with the internet and enthusiasm to learn more about cultures around them.

Description

The SDG goal we are focusing on for this project is Reducing Inequalities. We bring together individuals and let them learn, experience and appreciate each other's cultures. So, when they go deeper and deeper into the understanding of their and others' cultures, they will realize that all cultures are not *different* but *unique.*

As mentioned earlier, other websites that focus on addressing the same issue are TheCultureTrip.com and OpenCulture.com.

TheCultureTrip.com is a tour organizing website. It is an amazing way to experience cultures along with people. But the drawback is that we have to take time to plan a holiday and it is also expensive to visit other countries to learn about their cultures. Since ours is a web app, you can simply sit at your comfort place and experience it.

OpenCulture.com is a News website. It only focuses on giving recent information about culture relevant things happening around the world. But ours is a social media, so here you can interact with people practicing those cultures and learn much more.

Profile of Users

Any individual with the internet can access our web app: the General Public from a diverse range of regions, religions, and cultures from all over the globe.

The only requirement would be:
Familiarity with computers: Wide range from unfamiliar to too familiar however most of them would fall under the above average category

Technology Stack

Front End:

- **React:** For creating dynamic and responsive user interfaces.
- **HTML/CSS:** For structuring and styling the user interface.
- **JavaScript:** To enhance user interactions and handle client-side functionality.
- **Three.js:** (Tentative) For better user experience

Back End:

- **Node.js:** The back-end will be built using Node.js for server-side scripting.
- **Express.js:** To create a RESTful API and handle HTTP requests.
- **MongoDB:** As the database to store content, user data, and other relevant information.

ChatGPT API Integration:

- To provide conversational features and answer questions related to different cultures.

Google API Integration:

- Integration with **Google Maps API** for location-based information and services.
- Integration with **Google Translate API** to provide multilingual support and translation features.