

Tap The Globe

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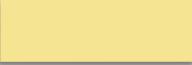
Team 3



Vision



Vision & Motivation



Tap the Globe is an interactive web app with a world map. You click on continents or pins to learn cool true and false facts about different cultures.

We were inspired by our team mates. We come from different parts of the world. We believe learning about each other's cultures helps people connect and understand one another. We created this web application over shared interest in traveling.

Building The Project



Web Page Design Overview

Index.html

Displays an interactive world map using [Leaflet.js](#) with pins for each continents

Window.html

Lists of cultural facts for a selected continents, passed via the URL (e.g., ?continent=Asia).

Facts.html

Shows full details of one cultural fact, selected by ID via URL (contents included images, tags, star ratings UI and Comments section)



Tools Used

HTML

Excellent for building the structure of the website

CSS3

Excellent for styling and layout

Leaflet.js

Very Useful for creating the interactive map

Github

Excellent for Teamwork, version control and saves code changes

Javascript

Making the site interactive, dynamically loading content, handling user actions

VS Code

Excellent and easy to use code editor

Trello

Task tracking, team coordination, project planning

Youtube/geeksforgeeks.org

Excellent resources for learning (HTML, CSS, JavaScript, and Flask basics)

SQL Database Integration

Purpose of Using SQL

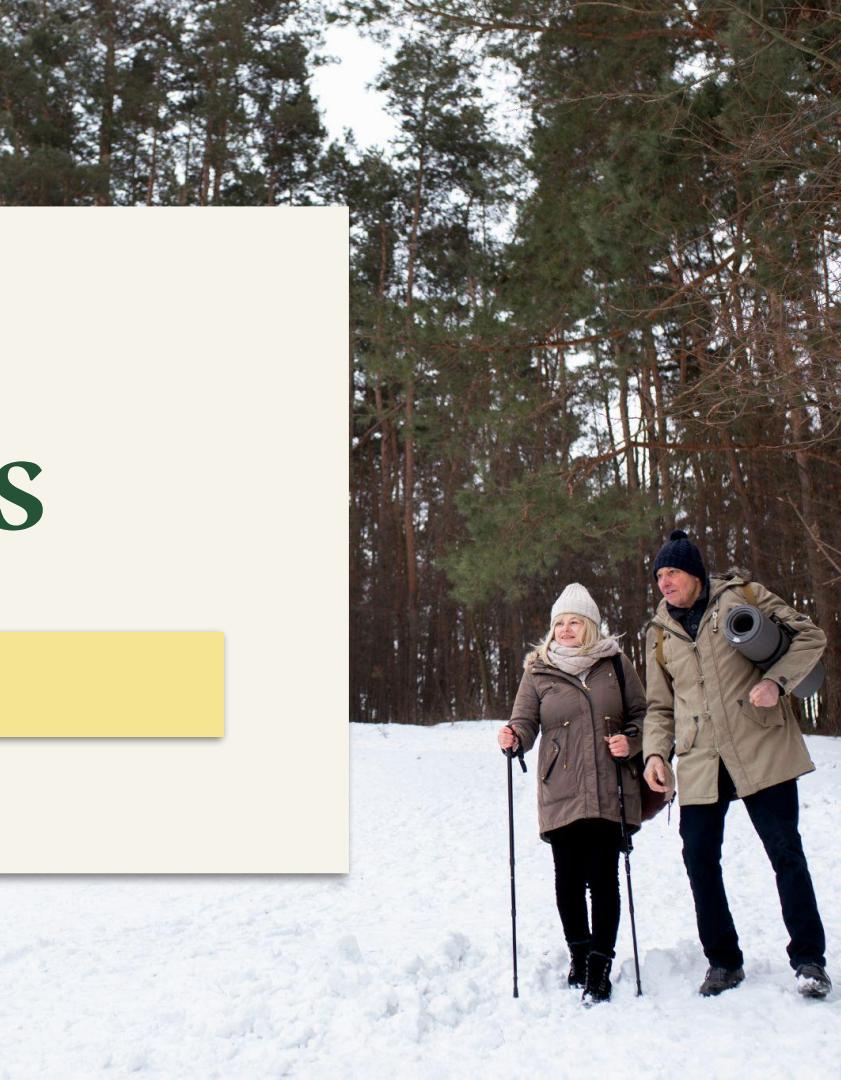
- Store detailed fact data (e.g., title, description, image path, continent, rating, reviews)
- Allow dynamic retrieval of facts based on user interaction
- Enable scalability (easy to add/update facts)

Benefits

- Centralized fact storage
- Fast querying for dynamic content
- Easy review/rating integration

Tools used : Flask/JavaScript (connect frontend with backend database)

Challenges



Challenges

- **Time zones**

We live in different places, so meeting times were challenging. We used discord and zoom meetings throughout and collaborated on the project.

- **Pin Location Accuracy**

Getting the right pin positions took trial and error. We used Google map coordinates and tested often.

- **Project Shift**

At first, we were working on a different idea focused on cultural traditions and foods. We later pivoted to *Tap the Globe*, which is similar but with a few changes. We made it more interactive and focused on fun cultural learning.



Project Demo

How It Works?

- Click on a pin on the map
- OR tap a continent on the left
- See 7 cultural facts for each continents
- Learn something new in a fun way!

Countries Included:

Belgium, Algeria, Korea, Canada, South Africa, Peru, New Zealand..

“The world is a book, and those who do
not travel only read one page.”

—Saint Augustine