

Globoler Travel App

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CS5934 - Capstone Project

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Project Description

- ▶ A travel web application that extracts destination information for the users
- ▶ Responsive website that supports mobile devices



Context and Background

Users taking extra time and effort to do research about a destination before they travel there:

- ▶ Available events to attend?
- ▶ Types of restaurants to eat at?
- ▶ How safe is that place?

With our Globoler app, users can get all those questions answered through a simple-to-use map interface.

Project Goal

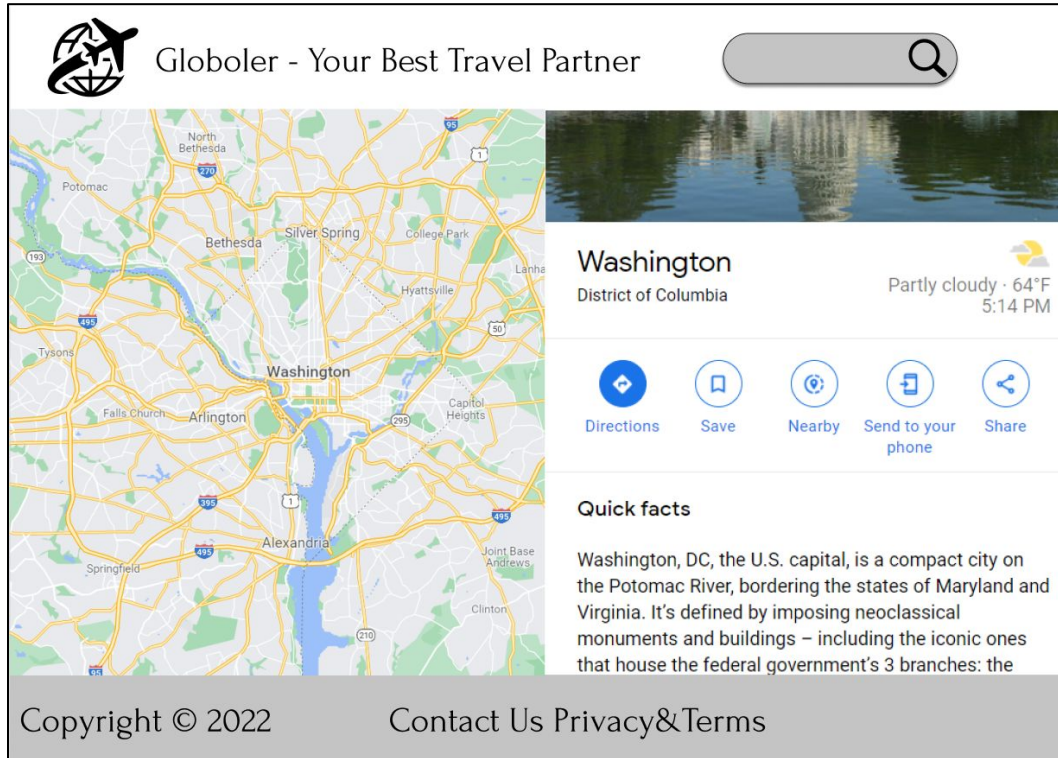
Help users to easily obtain information about a destination

Target Users

Travelers and anyone who wants to learn more about a destination



Design Choices - Main Page



The screenshot displays the main page of the Globoler app. At the top left is the Globoler logo, a stylized globe with a compass rose, and the text "Globoler - Your Best Travel Partner". To the right is a search bar with a magnifying glass icon. Below the header is a map of Washington, DC, showing major roads and landmarks. To the right of the map is a weather widget for "Washington, District of Columbia" with a weather icon, "Partly cloudy · 64°F", and "5:14 PM". Below the weather widget are five action buttons: "Directions", "Save", "Nearby", "Send to your phone", and "Share". Below these buttons is a "Quick facts" section with the text: "Washington, DC, the U.S. capital, is a compact city on the Potomac River, bordering the states of Maryland and Virginia. It's defined by imposing neoclassical monuments and buildings – including the iconic ones that house the federal government's 3 branches: the". At the bottom of the page is a grey footer with "Copyright © 2022" on the left and "Contact Us Privacy&Terms" on the right.

Globoler - Your Best Travel Partner

Washington
District of Columbia

Partly cloudy · 64°F
5:14 PM


[Directions](#) [Save](#) [Nearby](#) [Send to your phone](#) [Share](#)

Quick facts

Washington, DC, the U.S. capital, is a compact city on the Potomac River, bordering the states of Maryland and Virginia. It's defined by imposing neoclassical monuments and buildings – including the iconic ones that house the federal government's 3 branches: the




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Design Choices - Detail Page



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Weather at (location)

Day 1	Day 2	Day 3
Text	Text	Text
		

Humidity:
Emergency status: None
Note: Take umbrella

→

- Weather
- COVID-19
- News
- Foods
- Events

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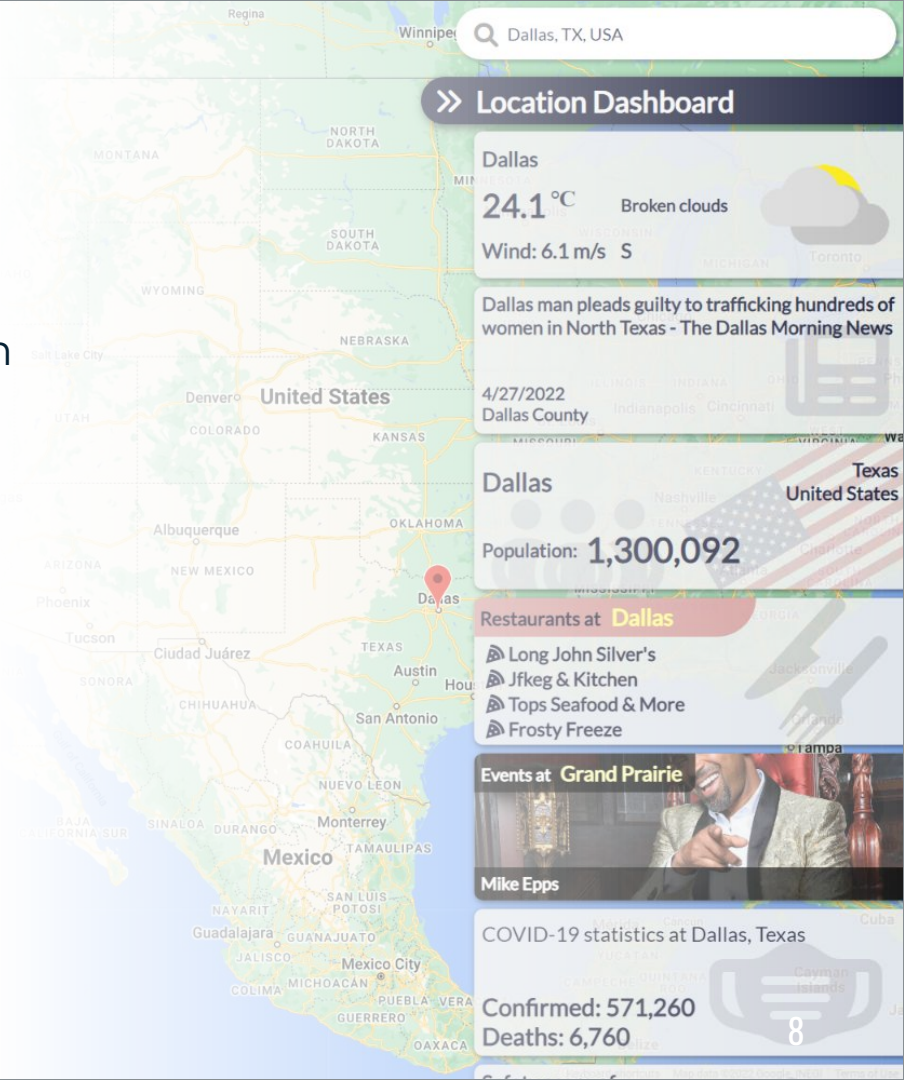
Main Functions

Fetching information of a destination, including:

- ▶ Weather
- ▶ Breaking/Top News
- ▶ Population and general country information
- ▶ Restaurants
- ▶ Events
- ▶ COVID-19 Statistics
- ▶ Safety Scores

Unique Features

- ▶ Widget Panel (Location Dashboard)
 - ▷ Brief and aggregated information
 - ▷ Unique design and style
 - Switching backgrounds
- ▶ Detailed information page
- ▶ Mobile version (responsive design)



Tools & Technologies

IDE

IntelliJ IDEA

Front-end Tech

HTML

CSS

Javascript

Vue.js

API Related

Vue-google-maps

Vue2 geocoder

Axios

ApexCharts.js

Team

GitLab (issue, Kanban board)

GroupMe

Zoom

Hosting

Docker

VT Cloud

APIs

- ▶ Google Maps by Google
- ▶ Places by Google
- ▶ Weather by Weatherbit
- ▶ Google Search by apigeek
- ▶ GeoNames
- ▶ COVID-19 Statistics by Axisbits
- ▶ Safe Place by Amadeus
- ▶ Discovery by Ticket Master
- ▶ Search by TomTom

Challenges

- ▶ API request limits
- ▶ Web Page design
- ▶ Responsive design w/ mobile adaptability
- ▶ Errors when hosting on Cloud vs. local
- ▶ Handling undefined response from API
- ▶ Front end design (Ex. widgets)
- ▶ Learning Docker

Lessons Learned

- ▶ Time Management
- ▶ Importance of UI/UX designer
- ▶ Errors not shown in local deployment
- ▶ Constant communication and accountability

Project Demo

Globoler Travel App



Resources

- ▶ Slide Template:

<https://www.slidescarnival.com/jessica-free-presentation-template/14605>

- ▶ Images:

<https://unsplash.com/>

Thanks!

