**Diploun – Diplomacy through interactivity**

**What is Diploun and how is it related to Diplomacy?**

The noun **diplomat** is related to the **word** diploma, from the **Greek** Diploun, **meaning** “to fold double.” A diploma is an official paper — something **diplomats** carry on behalf of their governments, so the app gets it’s name from the Greek word.

**High level Features of the App(details on the video):**

1. **Polished UI with ReactJS front end using LeafletJS for maps D3 library for charts, and Slider package for Slide Shows. Easily allow integration with Word Press and is mobile friendly.**
2. **On page load, allows users location to be located via google services API.**
3. **Uses the official colors and logo of the DOS.**
4. **When map loads initially, all the diplomatic missions show up on the Map.**
5. **Users have the ability to search by countries to narrow down pins on the map. Pins are clickable and display further data based on the consulate.**
6. **Users have the ability to search by Language to display only mission pins where that language is supported.**
7. **Users have the ability to color code the map based on Travel Advisory from DOS.**
8. **Users have the ability to see the amount of funds being allocated to each country, and display countries with a bigger circle that have allocation of over 100 Million dollars.**
9. **The right panel displays a history of all the missions opening over time.**
10. **The right panel display a slide show of major events.**
11. **Once user searches for a country, the bottom panel shows the attaché and the consulate information along with a brief description.**
12. **The bottom panel also has a tab to display bi-lateral/multi-lateral funding based on the country searched, currently only shows Afghanistan data.**
13. **Finally, there is a twitter feed on the right panel.**
14. **App 🡪 bootcampguru.github.io/diploun**
15. **Source code 🡪** [**git@github.com:BootCampGuru/diploun.git**](mailto:git@github.com:BootCampGuru/diploun.git)

**Future Deliverables:**

1. **Integrate with APIs vs using static content.**
2. **Create D3 funding maps for all countries.**
3. **Allow users to add their feedback per embassy.**
4. **Allow users to add dangerous conditions around embassies, basically crowd source some of the travel advisory data based on user location.**
5. **Need an API just for events, so users can register.**

**Pain Points and Suggestions:**

1. **Not enough APIs available online, most data had to be extracted from csv/excel file and converted to JSON.**
2. **APIs that this app could benefit from are 🡪 Languages per consulate, Office hours, and embassy data, as well as API that brings back financial data in a JSON format. I also couldn’t find good images of the embassies.**
3. **The hardest part was trying to find ways to combine the data into usable form, but most data had to be made static, better to be dynamic generated from APIs.**
4. **The embassy website should create developers API, and this would provide a centralization location for all embassy related data.**

**References:**

**Embassies Data – provided and rest looked up,** <https://www.usembassy.gov/>

TIP:(CRS Report):

<https://www.state.gov/reports/2018-trafficking-in-persons-report/>

<https://fas.org/sgp/crs/row/R44953.pdf>

World Wild Life Report:

<https://www.unodc.org/unodc/en/data-and-analysis/wildlife.html>

Travel Advisory:

<https://www.travel-advisory.info/all-countries>

Air Quality Index:

<https://aqicn.org/>

<https://www.airnow.gov/international/us-embassies-and-consulates/>

U.S. Foreign Aid:

<https://explorer.usaid.gov/cd/AFG?fiscal_year=2019&implementing_agency_id=1&measure=Obligations>