



HUMANITARIAN EVENTS WEB SERVICE

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PROBLEM

- Disasters and Humanitarian crisis happen continuously in different parts of the world
- Information exists mainly for only the event and the damage it caused
- Information about how it can be avoided or planned for is difficult to come by



OUR IDEA

- A platform that will aggregate humanitarian crisis and environmental disaster data and summarizes the reports to answer these questions about the situation
 - What caused it
 - How it could have been avoided
 - Lessons Learned

EXTERNAL APIS

- Rest Countries and Google Maps
 - To get information about country
- ReliefWeb API
 - To get humanitarian reports about a country and disaster
- Aylien Machine Learning API
 - To summarize the reports



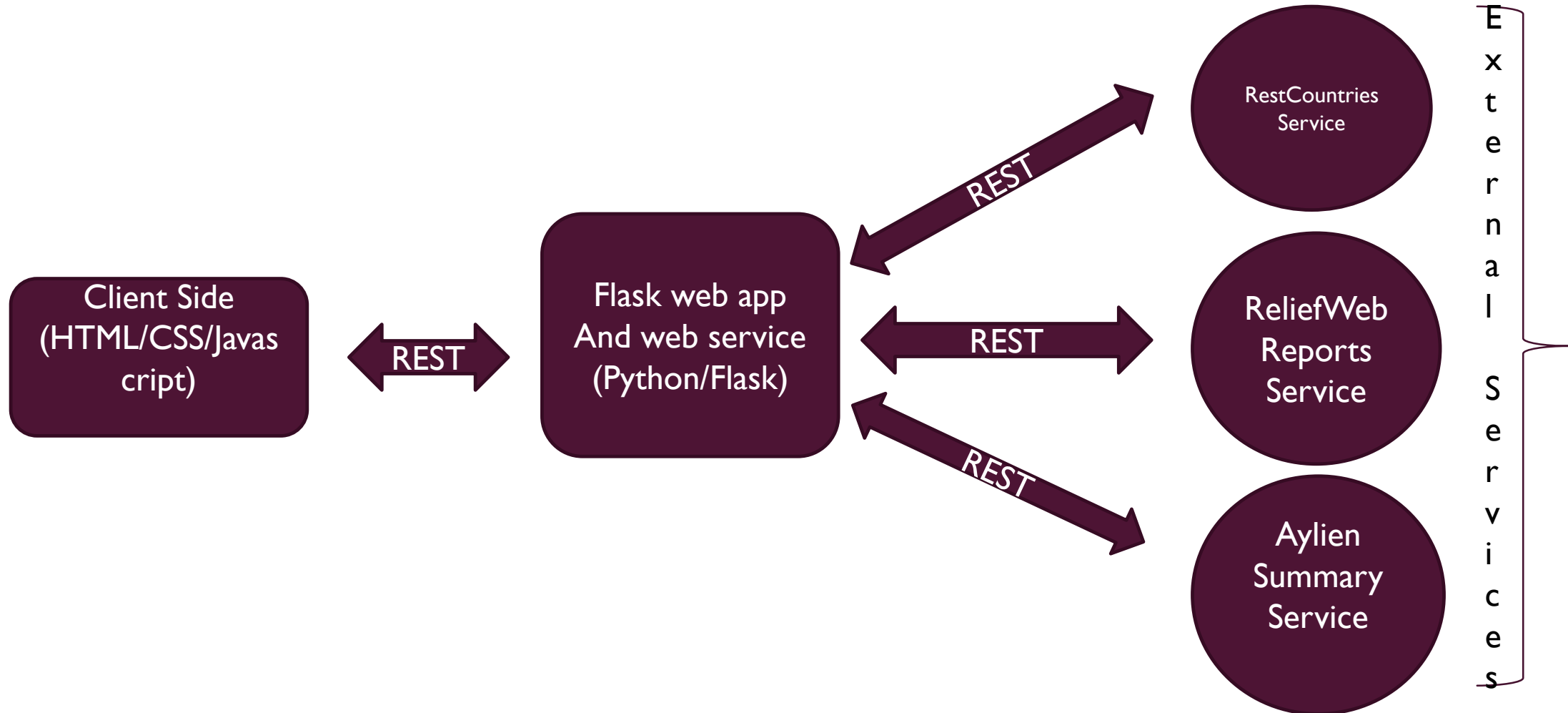
TECHNOLOGY USED

- Python 3.6 (Language)
- Flask Microframework for Rest Service
- HTML/CSS/Javascript

API ENDPOINTS

- `/api/v1/country/<country>`
 - GET Request with a json response of country information
- `/api/v1/reports/<country>`
 - POST Request with a json response of reports about a country
- `/api/v1/report/<int:report_id>`
 - GET Request with a json response of a specific report
- `/api/v1/reports/summary/<int:report_id>`
 - GET Request with a json response of the summary of a specific report

ARCHITECTURE



SUSTAINABILITY

- Promotes individual awareness of the environmental disasters in different parts of the world and the ways it can be avoided.
- Targets individual sustainability by having access to our knowledge base.