HEALTHACCESS

Team Neverlate Scrappers

TEAM:
Abhilash Biswas (abhilasb@andrew.cmu.edu)
Vidisha Chowdhury (vchowdhu@andrew.cmu.edu)
Yuxuan Sheng (yuxuansh@andrew.cmu.edu)
Anchal Chaudhary (anchalc@andrew.cmu.edu)

Problem

Problem 1

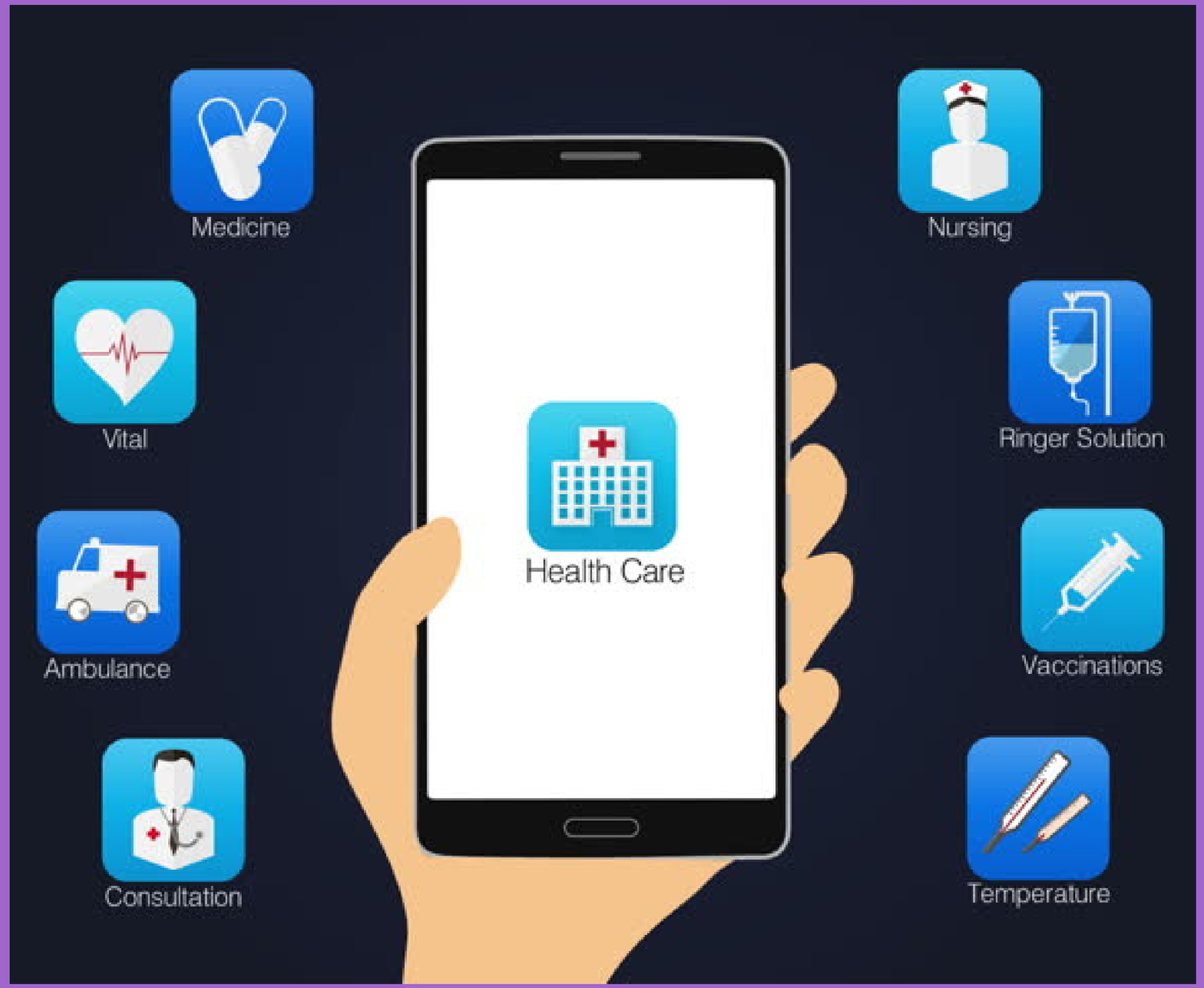
No one-stop consolidated information portal to seek healthcare information

Problem 2

No real-time updated data on healthcare providers as per their specialisation

Problem 3

Delay in securing emergency health interventions



HealthAccess Mobile Application

Quick and easy way to connect to healthcare services around you

Features

1

HealthAccess provides real-time information on:
- Emergency Healthcare Services
- Non-Emergency Healthcare Services
- Know Your Wellbeing Services

2

Curated information from internet as per patient's need and location

3

Easy-to-Use application with accessible/comprehensible information and actional steps

EMERGENCY SERVICES

1.

Extracts names of nearest hospitals in Pittsburgh

2.

Calculates real-time driving time to reach respective hospitals

3.

Generates a list of nearest hospitals with telephone numbers for users to contact

choice #	Organization Name	Tel-no	travel time text
1	SHADYSIDE OPTICAL ASSOCIATES LLC	412-441-5300	1 min
2	SHADYSIDE NURSING AND REHABILITATION CENTER-PITTSBURGH PA LLC	412-362-3500	3 mins
3	WEST PENN HEALTHCARE SOLUTIONS LLC	412-561-5605	6 mins
4	ALLEGHENY CLINIC MEDICAL ONCOLOGY	412-770-1826	7 mins
5	WEST PENN ALLEGHENY HEALTH SYSTEM INC	412-578-5365	7 mins
6	FAMILYLINKS, INC	412-661-1800	8 mins
7	UNIVERSITY OF PITTSBURGH PHYSICIANS	412-647-3087	8 mins
8	UNIVESITY OF PITTSBURGH PHYSICIANS	412-647-0943	8 mins
9	UNIVERSITY OF PITTSBURGH PHYSICIANS	412-647-0943	8 mins
10	PRIMARY CARE HEALTH SERVICES INC.	412-921-7200	10 mins

NON - EMERGENCY SERVICES

1.

Extracts names of nearest healthcare facilities in Pittsburgh as per required specialized needs

2.

Calculates Google Ratings, travel time, and working hours

3.

Provides hospital's appointment page address

choice #	Organization Name	Tel-no	travel time text	average ratings	open now?	appointment page	status
1	WEST PENN ALLEGHENY HEALTH SYSTEM INC.	412-359-3131	7 mins	2.9	FALSE	www.ahn.org/appointments.html	OPERATIONAL
2	HIGHLAND PARK CARE CENTER, LLC	412-362-6622	9 mins	4.3	TRUE	page not found	OPERATIONAL
3	ADDISON BEHAVIORAL CARE, INC.	412-731-2353	10 mins	no ratings	no information available	page doesn't exist	CLOSED_PERMANENTLY
4	EVERY CHILD INC	412-665-0600	14 mins	no ratings	no information available	page doesn't exist	OPERATIONAL
5	UPMC ST MARGARET	412-362-1756	16 mins	3.2	TRUE	www.upmc.com/contact/appointments	OPERATIONAL
6	UPMC ST MARGARET	412-622-7343	16 mins	3.2	TRUE	www.upmc.com/contact/appointments	OPERATIONAL
7	GIANT EAGLE INC	412-931-0393	20 mins	3	TRUE	page doesn't exist	OPERATIONAL
8	GIANT EAGLE INC	412-828-2277	20 mins	3	TRUE	page doesn't exist	OPERATIONAL
9	GIANT EAGLE INC	412-488-1802	20 mins	3	TRUE	page doesn't exist	OPERATIONAL
10	ALLEGHENY MEDICAL PRACTICE NEETWORK	412-816-2273	24 mins	no ratings	no information available	page doesn't exist	OPERATIONAL

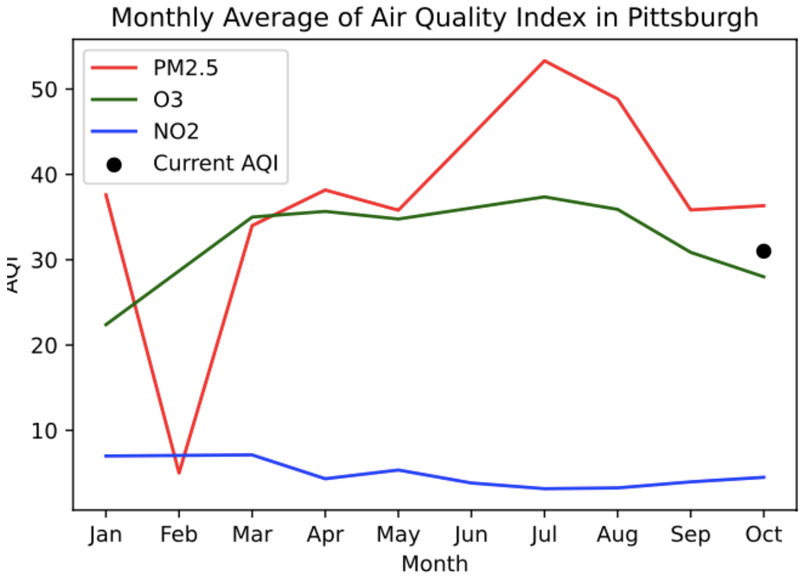
KNOW YOUR WELLBEING

1.

Provides real-time air quality index around you with multiple parameters

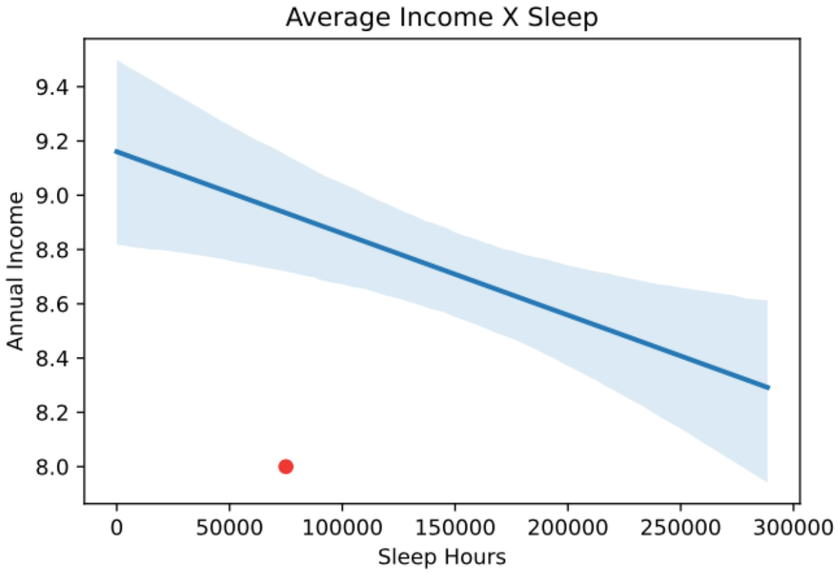
2.

Compares user's hours of sleep to US average




```
Current PM2.5 AQI is 30
Current O3 AQI is 35
Current NO2 AQI is 4

The current AQI is 'Good' as per WHO standards.
```



Libraries Used

JSON

Pandas

Request

Re

Datetime

Seaborn

Matplotlib

BeautifulSoup

Resource Page

- Google Maps API
- Individual Healthcare Facility Websites Webscraping
- American TimeUse Survey 2020 Data
- National Plan & Provider Enumeration System API
- World Air Quality Index project