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Pizza On a Student's Income: Team 6

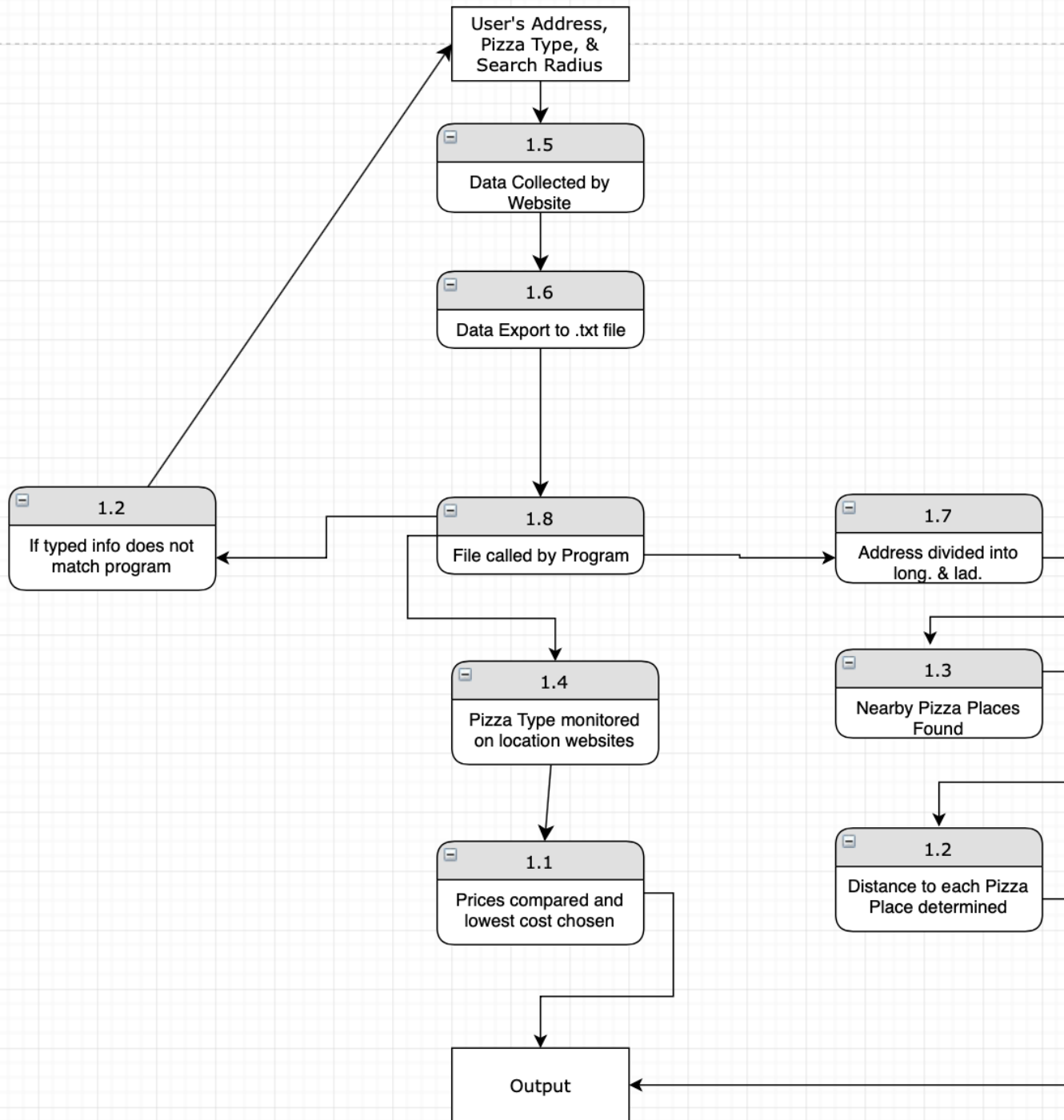




Introduction

The goals of our website (in the order we wanted to accomplish them):

- Take in the user's address, preferred search range, and their preferred type pizza as input
- Identify pizza places in the user's area
- Scrape the menus of the pizza places from the web
- Output the cheapest pizza options in the area for the customer





Geographic Proximity Web Scraper



Functionality

- Asks the user to input a geographic location.
- The script prompts the Google Maps geographic services to determine its latitude and longitude.
- Gathers a list of nearby restaurants in a 5km radius from this position from Google's servers.
- Parses the relevant data from Google into an array.



Example:

- Prompt user input:

Input the location you're shopping for pizza in (Exact locations and general areas are both acceptable).



Example return:

```
Input the location you're shopping for pizza in (Exact locations and general areas are both acceptable). Queen's University  
This location's latitude is 44.2252795  
This location's longitude is -76.49514119999999  
The pizza restaurants in a 5km radius from your location are:  
['Wooden Heads Gourmet Pizza', 'Score Pizza', 'Paradiso', "Tata's House Of Pizza & Pasta", "Original Bubba's", "Bubba's", "Gino's  
s Pizza & Spaghetti", 'Pizza Pizza', 'Little Caesars Pizza', 'Pizza Pizza']  
PRESS ENTER TO EXIT.
```



Price Database Web Scraping



Website Front End



Improvements for the Future:

- Fix lack of menu availability for smaller restaurants
- Website functionality
- Integration of the individual parts of the project
- Flow of data from user to backend and vice versa
- Speed improvements using DS & A, make project scalable