



WebCrawler

Habib University – Programming Fundamentals

Fall Semester 2020

Project Report

M. Jazzel Mehmood (CE)

Durr-e-Sakina Somji (CS)

Hamna Mansoor Rafi (EE)

Table of Contents

.....	0
Certificate.....	2
Problem Statement.....	3
Solution.....	3
Technologies Used.....	3
I. Back-End.....	3
II. Front-End.....	3
III. Hosting.....	3
Diagrams.....	4
Architecture Diagram	4
.....	4
Flowchart.....	4
.....	4
Interface.....	5

Certificate

**This is to certify that this project entitled “ *Web Crawler*”
submitted in entire fulfillment of the Habib University
Semester-1, Programming Fundamentals done by following
candidate.**

**M. Jazzel Mehmood (CE)
Durr-e-Sakina Somji (CS)
Hamna Mansoor Rafi (EE)**

Problem Statement

In today's world, due to modern technology, everything has revolutionized to internet and e-commerce to a significant extent. And thus, this has led to the development of sundry different websites for online shopping, making it rather difficult for online customers to find products at a feasible rate. A great deal of people simply just trusts the very first suggestion and many a time, end up with loss of opportunity to buy the same product at a strikingly lower price.

Solution

- In order to tackle the problem mentioned in the previous slide, we decided to make a program catering to the demands of online customers.
- User will enter the product that they want to buy in the search bar and ultimately, our Web Crawler will provide search results of the product from 2 to 3 different sources and will suggest the best choice with the lowest price available

Technologies Used

I. Back-End

Python libraries: selectorlib and requests.

Python Web Framework: Flask.

II. Front-End

Webpages: HTML.

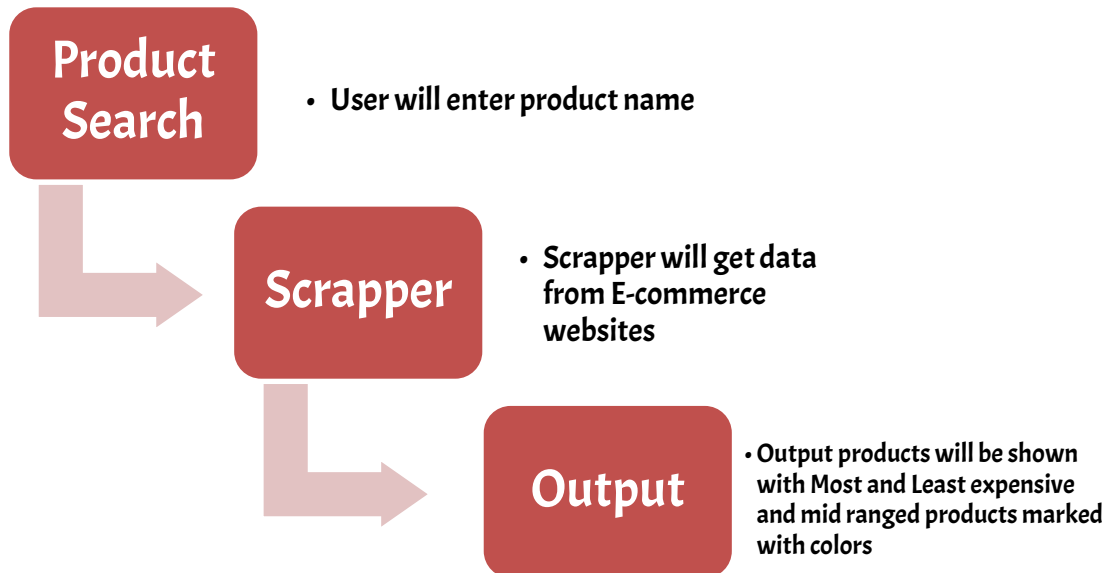
Styling: Bootstrap & custom CSS.

III. Hosting

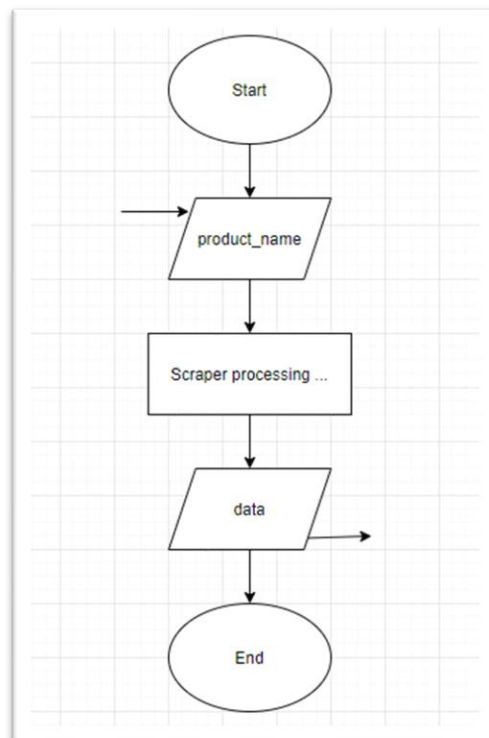
Cloud Hosting Server: Heroku

Diagrams

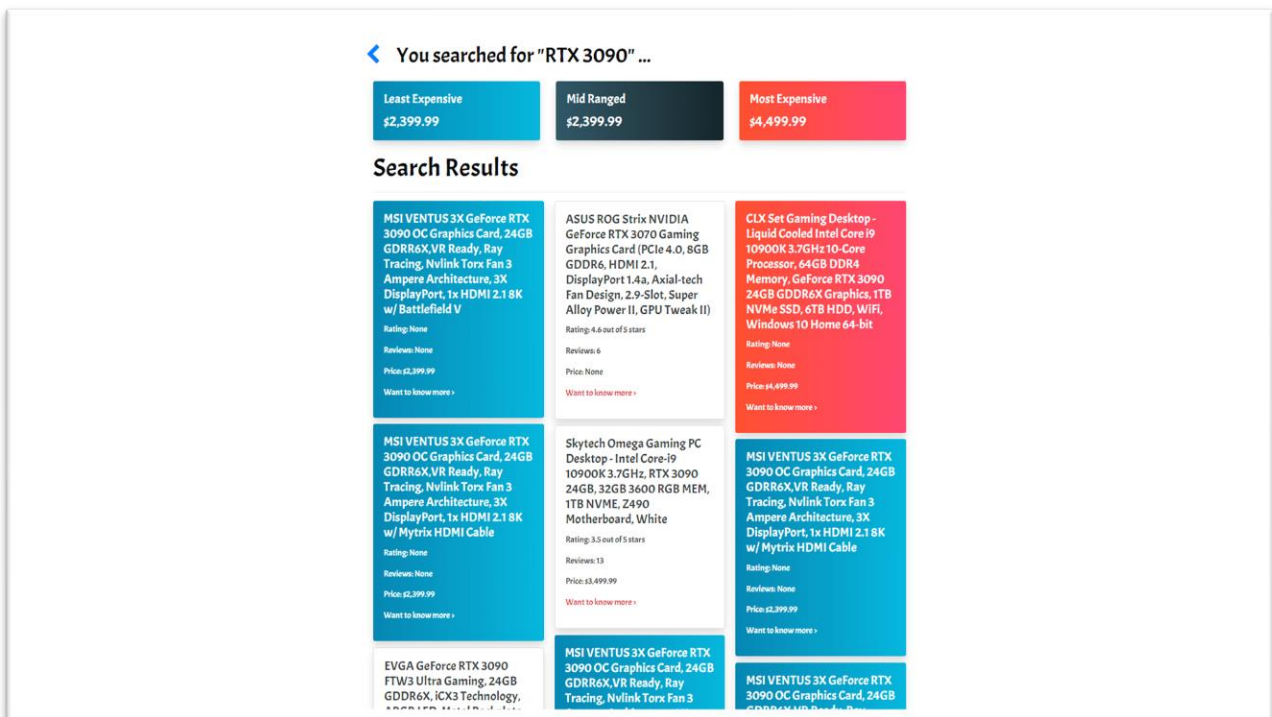
Architecture Diagram



Flowchart



Interface





THANK YOU!



Mohammad Jazzel Mehmood (CE), Durr-e-Sakina
Somji (CS), Hamna Mansoor Rafi (EE)



mm06886@st.habib.edu.pk, ds06428@st.habib.edu.pk,
hr06876@st.habib.edu.pk,



<https://hu-web-crawler.herokuapp.com/>