Project Progress Report 1&2

Aim:

We aim to provide the user a platform where the user can show up and get in-depth details related to EV and mechanical vehicles based on their daily usage of automobiles, their location and availability of resources. Besides, the user can also get recommendation budget-friendly vehicle as per their needs.

What we did:

Conducted research into the growth and effectiveness of our website in the present and the future. Analyzed which technology to employ and which to avoid. As we move forward with our project, the web page we started creating for our website will undergo some changes because as we add features, they will each need a specific location on the page.

Motivation:

On doing some research, I found out some information about EVs regarding their features, durability, cost effectiveness and more such information. Upon deep research and discussion within the team, we concluded that people outside know EV, but not much in detail. When buying an EV, people just look at the features avoiding the fact that resources related to EV are still limited at numerous locations and that could cost them a lot of money. And hence, our project will aim to give the users a customized recommendation to the user based non the location, and their budget.

Technologies:

Frontend: for this we'll be using HTML, CSS, JavaScript to design the page and give it a user-friendly UI/UX so that the user can be to his best comfort when enquiring about his query.

Backend: for this we'll be using Python and Django to store the information provided by the user and for the server-side programming. I also plan on hosting the website on AWS EC2.

Modules:

1) Login/SignUp: A user will login in case of a returning user and Signup in case of first-time user so that the user need not have to fill the information again and again, and his information can remain secure.

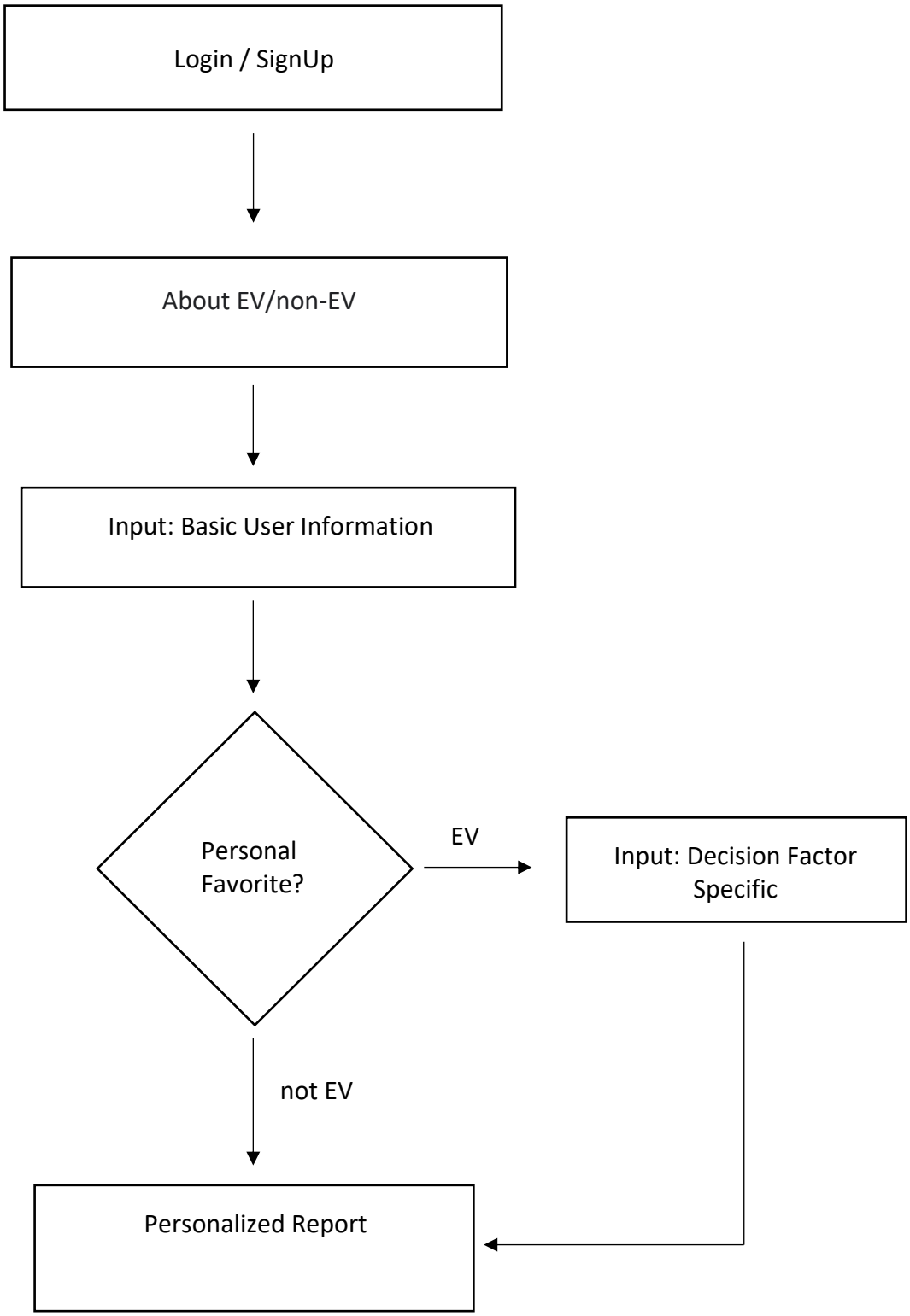
2) About: I plan on writing all the useful information about an EV and non-EV so that the user can have a fair understanding on what are EVs and what features to consider buying them.

3) Decision Factors: Based on some of the factors like, how often does the user drive, the location, recourse availability, budget and other similar factors, the user will get the output.

4) Personalized Report: The output will be in the form of personalized report and based on that user can make a clear decision on going with EV or not.

Flow Chart:

The chart is based on the way we want our user to go through our website for getting their personalized report.


Login / SignUp
About EV/non-EV
Input: Basic User Information
Personal Favorite?
EV
Input: Decision Factor Specific
not EV
Personalized Report