Powerschool Assignment:

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Backend:

I used python language for constructing the backend.

For web development I used Flask.

Flask is a web framework. This means **flask** provides you with tools, libraries and technologies that allow you to build a web application. This web application can be some web pages, a blog, a wiki or go as big as a web-based calendar application or a commercial website

For using flask install python then set up virtual environment then install flask.

For frontend:

I used HTML ie hypertext mark-up language

For styling the webpage CSS ie Cascading Style Sheet is used.

Ajax is a set of web development techniques using many web technologies on the client side to create asynchronous web applications.

Description of code:

For text autocomplete I used a dataset of cities.

Now,

Autocomplete api will give data to the function and will dump the cities.

Index.html

So this will show the textbox with insert cities and give dropdown list of cities.

To run use command prompt

Python app.py

```
(virtual) C:\Users\ASHISH\Example\example\python app.py

* Serving Flask app "app" (lazy loading)

* Environment: production

WARNING: This is a development server. Do not use it in a production deployment.

Use a production WSGI server instead.

* Debug mode: on

* Restarting with stat

* Debugger is active!

* Debugger PIN: 217-343-581

* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Use specified http for getting results.