

Instructions for Installation & Deployment

Please follow the following instructions for seamless deployment

1. Open your Python console (prompt) , and pip install each requirement from `requirements.txt`
2. As this solution relies on NLP, please execute the following command in your python console (prompt or IPython)

```
nltk.download('wordnet')
```
3. Run `app.py` .
4. This app is now running on your localhost.
5. Open 127.0.0.1 in a web-browser, preferably Chrome, or Mozilla Firefox.

User Manual

1. `127.0.0.1` is the database portal for updating.
 - a. Intrinsic Validation happens in the HTML Page itself.
 - b. After all values are passed
 - i. If the product key is not in the database, the values are accepted and inserted. Simultaneously, the hash-table data-structure is updated.
 - ii. If the product key is in the database, the values are ignored, and the user is told that **Duplicates are detected**

2. 127.0.0.1/general_search/word1+word2+...+wordn is the API webpage that grants access to the API.
 - a. Insert query words into the strings word1, word2, etc.
 - b. For example, if your query is Smart wifi enabled black drier, your string would be
127.0.0.1/general_search/smart+wifi+enabled+black+drier
3. 127.0.0.1/demo is the link for the demo of the chatbot that we have embedded on the lowes.co.in website.
 - a. Ask a query like **“Show me black wifi enabled smart driers”**, or **“I’m interested in looking at microwaves”**