**Text Based Chatbot**

**Source Code Details:**

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| Serial No. | File Name | Type of Language | Type of File (or File Extension) | Functionality |
| 1 | DSAI\_Model\_Training.ipynb | Python | .ipynb  Implemented using OOP concepts | Used to train the model and save it as DSAI\_Chatbot\_Model.h5. |
| 2 | DSAI\_Chatbot\_Flask.py | Python | .py | Used to create text based chatbot in Web Interface |
| 3 | DSAI\_Chatgui.py | Python | .py | Used to create text based chatbot as Desktop application software |
| 4 | jquery.scrollbar.js | JavaScript | .js | Used to define interaction behavior of scrollbar in web interface |
| 5 | DSAI\_index.html | Html | .html | Used to define the web interaction page |

**Run Instructions:**

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| --- | --- | --- | --- |
| Step Number | Run Command | Run Dependency | Run Instruction |
| 1 | Run DSAI\_Model\_Training.ipynb file |  | This creates pickle files and trained model |
| 2 | Run ‘python DSAI\_Chatbot\_Flask.py’ |  | This runs text based chatbot in web interface |
| 3 | Run ‘python DSAI\_Chatgui.py’ |  | This runs text based chatbot as desktop application |