User's Manual

To use the assistant for inquiries, follow the following steps:

1. Run BankingBot.java

2. A Home screen will appear. There type the query in the text box and click the "Submit" button. The response will appear in the text area below the "Submit" button.

3. If a message appears saying "Sorry, you have to log in". Then, click on the "Login" button from the right panel. A new window will open. There type your "Username" and "Password" and click on "Submit" button. The text box below the button will get enabled and you will get a message on the right of text box saying "Check your mail". Log in to your Email account. You must have received an email in your inbox. Copy the OTP code from the mail and paste it in the text box for OTP and click on Submit.

4. Now, after login, if you wish to perform certain operations like viewing transactions, or applying for a new cheque book, either you can select an option from the panel on the right, or you can type the query in the Query box and Submit the query.

Technical Reference Manual

First approach:

Using Stanford Dependency Parser API:

1. Download the Stanford Dependency Parser.

2. Unzip the downloaded file. There should be a folder extracted.

3. Now, select four JAR files from the folder namely, stanford-parser.jar, stanford-parser-3.7.0-javadoc.jar, stanford-parser-3.7.0-models.jar, and stanford-parser-3.7.0-sources.jar, import them in the project libraries.

4. Open your browser and open the documentation for JavaNLP. There select the package named "edu.stanford.nlp.parser.lexparser" and there see the examples at the bottom of the page for reference on how to use different classes.

Using Java Mail API:

1. Download, the mail API.

2. Select JAR file named mail.jar and import in the project libraries.

3. Follow the documentation to use different classes in order to send Emails.

Using FreeTTS API:

1. Download FreeTTS API.

2. Follow the tutorial in this video lecture to learn how to use the API. https://youtu.be/swuYhvwHw9w.

Use JDBC Driver to connect to database:

1. Download JDBC driver for MySQL.

2. Import the JAR file into the project libraries.

3. Refer to documentation to know about available classes to connect Java and MySQL.

Second Approach:

1. Download Program O.

2. Extract Program O files to the server root or to the folders you want. (Assume we have extracted the file to folder 'chatbot', so that we access the program o by navigating through url http://example.com/chatbot/ when installation has completed.)

3. Create a database. If you're using shared hosting you can create MySQL database in your host cpanel. Here we have used XAMPP Server.

4. Now go to http://example.com/chatbot/install, a installation page will appear and fill all the Botmaster info, Bot Configuration and Database Configuration.

5. You will be prompted to next page saying installation is successfull. Now goto http://example.com/chatbot/admin and enter the username and password that you have entered in Admin Area Username and Password. It will navigate to program o index page.

6. Create AIML files (Sublime Text 3 Editor, used) & upload the aiml files to Upload AIML section.

7. Now goto 'test your bot' section and see for yourself.