

Kooery Overview/Demo:

For our project, we developed a chat bot that generates movie recommendations through a series of natural dialogue flows. This interaction is achieved through the use of a graphical user interface, which receives user input and displays the live conversation. After the user answers some preliminary questions, they are directed to a list of suggested movie titles. From there, the user can hone in on the details of any particular film and retrieve information such as runtime and plot.

Our program used the Great Movie Database API to extract the movie data and the Watson Conversation API to help construct the conversation flow and classify keywords. Based on the user response, our dialogue is adapted accordingly. If any invalid user input is entered, an exception is thrown and the user is prompted to enter another response. The dialogue terminates when the user has received sufficient information and indicates an intention to exit the program.

Note for User:

The API keys we used for the project have expired, as we used the IBM Watson Bluemix trial for this project.

Work Breakdown:

Julio Reynaga: Parse the Movie Database API, create API calls and formatting, manage dialogue flow through states, and perform J-unit testing

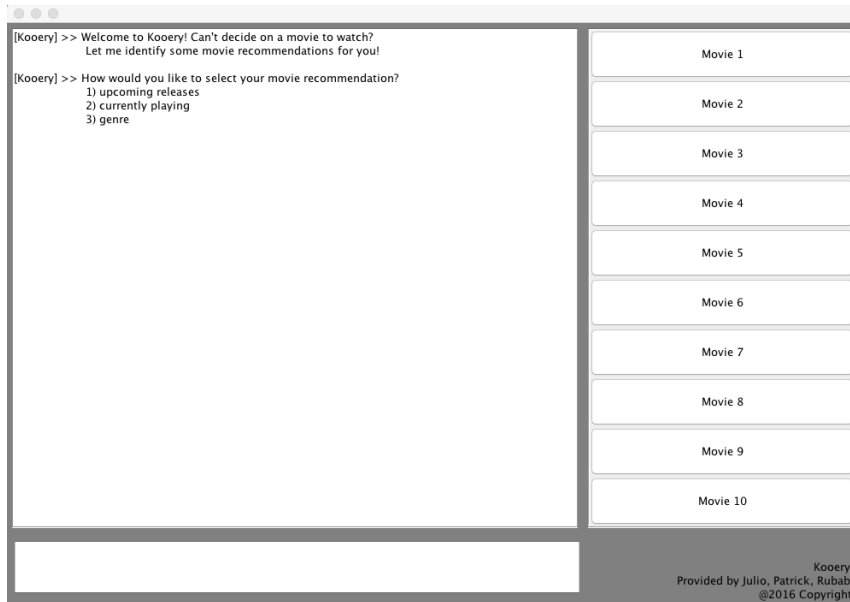
Xiaozhou (Patrick) Pu: Implement the GUI, connect API functions with GUI and perform J-unit testing, build the jar executable file

Rubab Rehman: Craft dialogue flow with Watson API, perform J-unit testing on methods/classes

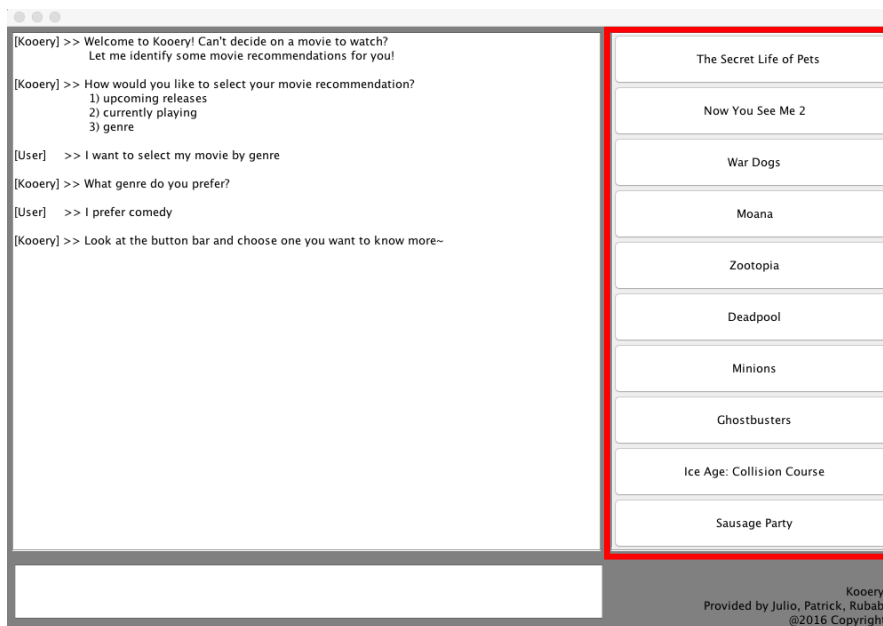
GitHub Repo URL: <https://github.com/rrehman93/kooery>

User Manual:

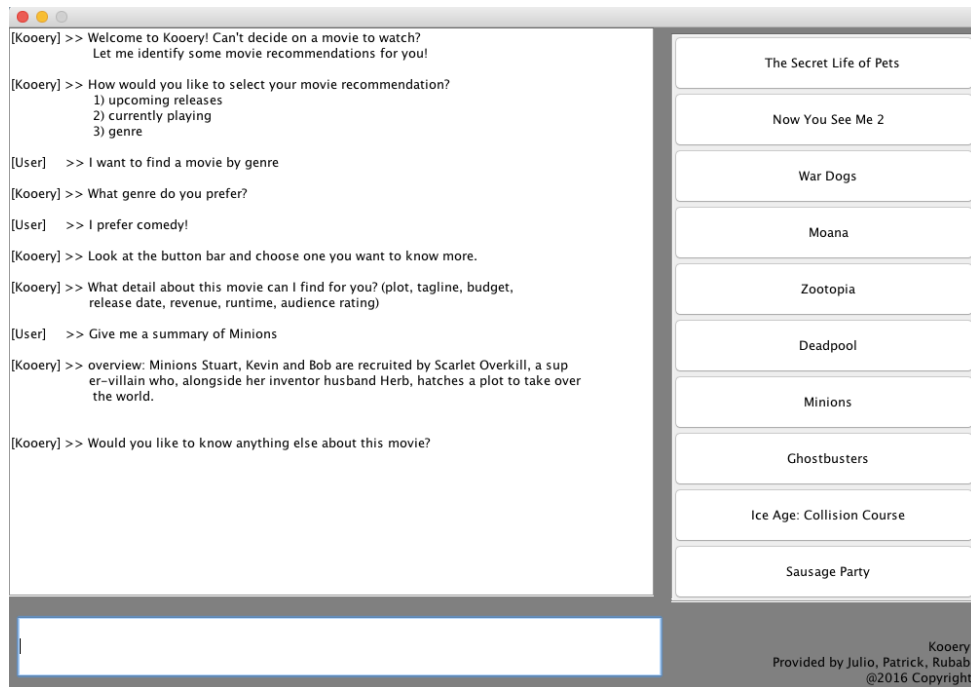
When the program opens, the user is presented with a welcome message and can select from three different options to narrow down the movie recommendation. The user can either enter a complete sentence or a specific number from the menu.



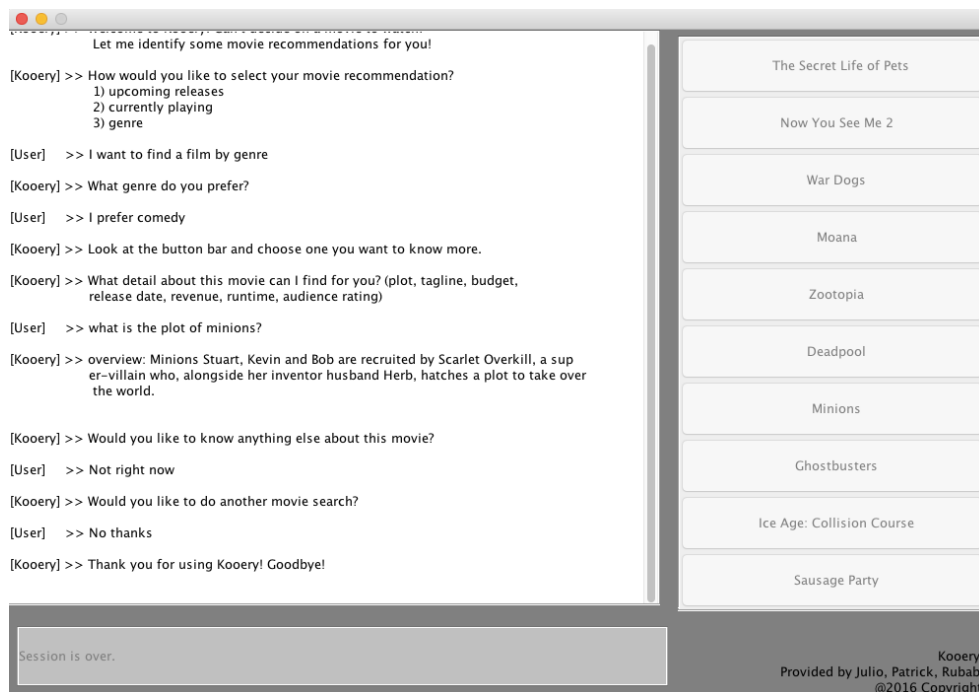
Among the top ten film recommendations made by Kooery, the user can click on an icon on the left to learn more information about it and then follow the instructions on the screen.



At this stage of the dialogue, the user can get specific details about the movie selected, such as plot and budget.



In the example above, Kooery returned the plot of the film Minions.



Unless the user wants to get more information about the movie or start another search, the program will terminate.