

Dear Candidate,

As the next step we would like you to build a chatbot using Rasa open source framework, that can be consumed on any platform.

Please use Github or any other version control tool to submit your code. Kindly make timely commits on achieving milestones with proper commit messages.

We want you to create a chatbot that a user can use to find out the population or capital of a specific country.

You will be required to create the following intents:

1. Greet (With proper greeting message)
2. GoodBye (With proper goodbye message)
3. Check Capital (Create it as a form with the following steps)
 - Select Country
 - Display capital of that country
4. Check Population (Create it as a form with the following steps)
 - Select Country
 - Display the population of that country.

Use Case 3&4 should also work with complex sentences like “Tell me the capital of the USA” or “Tell me the population of Greece”.

If the user types in a country that is not in the given list, display a proper message and ask the user to re-enter the country.

The APIs to be used are as follows:

1. Get List of Countries

Method - GET

API Endpoint - <https://qcooc59re3.execute-api.us-east-1.amazonaws.com/dev/getCountries>

Sample Response -

```
{
  "success": 1,
  "body": ["USA", "Greece", "Sweden", "Australia", "Finland", "Japan", "Russia", "India"]
}
```

2. Get Capital of a Country

Method - POST

API Endpoint - <https://qcooc59re3.execute-api.us-east-1.amazonaws.com/dev/getCapital>

Headers :

Content-Type - application/json

Form Body:

```
{
  "country": "Australia"
}
```

Sample Response -

```
{
  "success": 1,
  "body": {
    "country": "Australia",
    "capital": "Canberra"
  }
}
```

3. Get Population of a Country

Method - POST

API Endpoint- <https://qcooc59re3.execute-api.us-east-1.amazonaws.com/dev/getPopulation>

Headers :

Content-Type - application/json

Form Body:

```
{
  "country": "Australia"
}
```

Sample Response -

```
{
  "success": 1,
  "body": {
    "country": "Australia",
    "population": "2.54 crores"
  }
}
```

Please handle scenarios where the API call fails.

We would be judging the code on the following parameters:

- Code Quality and Readability in terms of using comments and proper indentation.
- The utterances added and the model confidence and reliability.
- Well phrased and formatted prompts and responses for user friendliness.
- Proper and timely commit messages added on Github.
- Proper working of the required functionality
- A ReadME.md file in the code repository with detailed instructions on setting up the bot would be required.

Please feel free to reach out to us in case of any doubts/ further clarity.

Thanks,
Team GM.