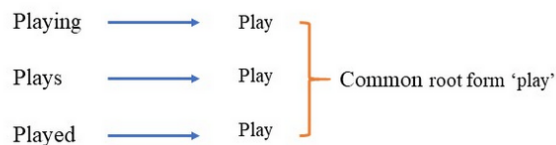1. The website will generate a json file which contains the intents.

```
]{"intents": [
]       {"tag": "greeting",
        "patterns": ["Hi there", "How are you", "Is anyone there?","Hey","Hola", "Hello", "Good day"],
        "responses": ["Hello, thanks for asking", "Good to see you again", "Hi there, how can I help?"],
        "context": ["""]
        },
]       {"tag": "goodbye",
        "patterns": ["Bye", "See you later", "Goodbye", "Nice chatting to you, bye", "Till next time"],
        "responses": ["See you!", "Have a nice day", "Bye! Come back again soon."],
        "context": [""]
        },
```

2. we will process this data set Using machine learning libraries and packages like NLTK (Natural Language Tool Kit package provided by Python for Natural Language Processing tasks.),

3. First we will take the user input and divide it into a list of sentences and words, performing very basic preprocessing like removing the punctuation marks, converting all the words to lowercase, etc(using CountVectorizer for example),and we will do some linguistic normalization using some stemming algorithms with nltk package as **PorterStammer** or **LancasterStammer (**stemmers for English language **))**

4. We will compare the words with each pattern to see which one has the highest similarity

5. Then we will show the response corresponds to the chosen intent