

SPRINT - 3

Date	11 November 2022
Team ID	PNT2022TMID42604
Project Name	SMART FASHION RECOMMENDER APPLICATION
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Creating Chat Bot for Application:

```
Command Prompt - docker-compose up
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C:\Users\HP>cd /d "C:\Users\HP\chatotapp"

C:\Users\HP\chatotapp>docker-compose up
+J Running 2/1
- Container rasa-chatbot-server Created 0.0s
- Container rasa-chat-app Created 0.0s
Attaching to rasa-chat-app, rasa-chatbot-server
rasa-chat-app | * Serving Flask app 'app' (lazy loading)
rasa-chat-app | * Environment: production
rasa-chat-app | WARNING: This is a development server. Do not use it in a production deployment.
rasa-chat-app | Use a production WSGI server instead.
rasa-chat-app | * Debug mode: on
rasa-chat-app | * Running on all addresses.
rasa-chat-app | WARNING: This is a development server. Do not use it in a production deployment.
rasa-chat-app | * Running on http://172.18.0.3:5000/ (Press CTRL+C to quit)
rasa-chat-app | * Restarting with stat
rasa-chat-app | * Debugger is active!
rasa-chat-app | * Debugger PIN: 828-185-107
rasa-chatbot-server | Matplotlib created a temporary config/cache directory at /tmp/matplotlib-kirbc2jg because the default path (/usr/share/matplotlib/mpl-data) is not a writable directory; it is highly recommended to set the MPLCONFIGDIR environment variable to a writable directory, in particular to speed up the import of Matplotlib and to better support multiprocessing.
rasa-chatbot-server | 2022-11-25 04:57:59 WARNING rasa.utils.common - Failed to write global config. Error: [Errno 13] Permission denied: '/.config'. Skipping.
rasa-chatbot-server | 2022-11-25 04:58:05 INFO root - Starting Rasa server on http://localhost:5005
rasa-chatbot-server | 2022-11-25 04:58:05 INFO rasa.model - Loading model models/20210425-161726.tar.gz...
rasa-chatbot-server | 2022-11-25 04:58:38 INFO root - Rasa server is up and running.
rasa-chat-app | 172.18.0.1 - - [25/Nov/2022 04:58:42] "GET / HTTP/1.1" 200 -
```

➔ Container Registry

Docker Desktop Upgrade plan

Containers Images Volumes Dev Environments BETA

Extensions BETA Add Extensions

Containers [Give feedback](#)

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

☒ Only show running containers

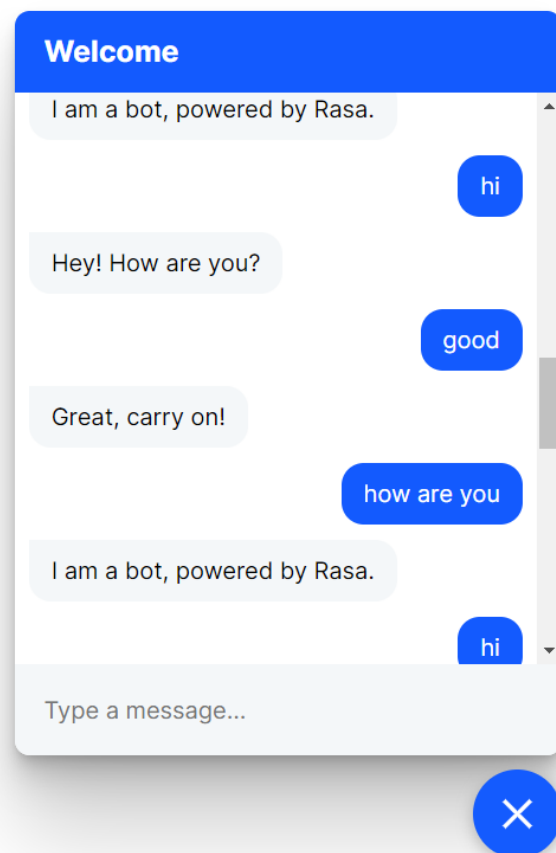
	NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>	chatotapp	-	Running (1/1)			
<input type="checkbox"/>	rasa-chat-app 5b681d6ce6b4	rasa-chatotapp:latest	Running	5000:5000	3 minutes ago	

Showing 2 items

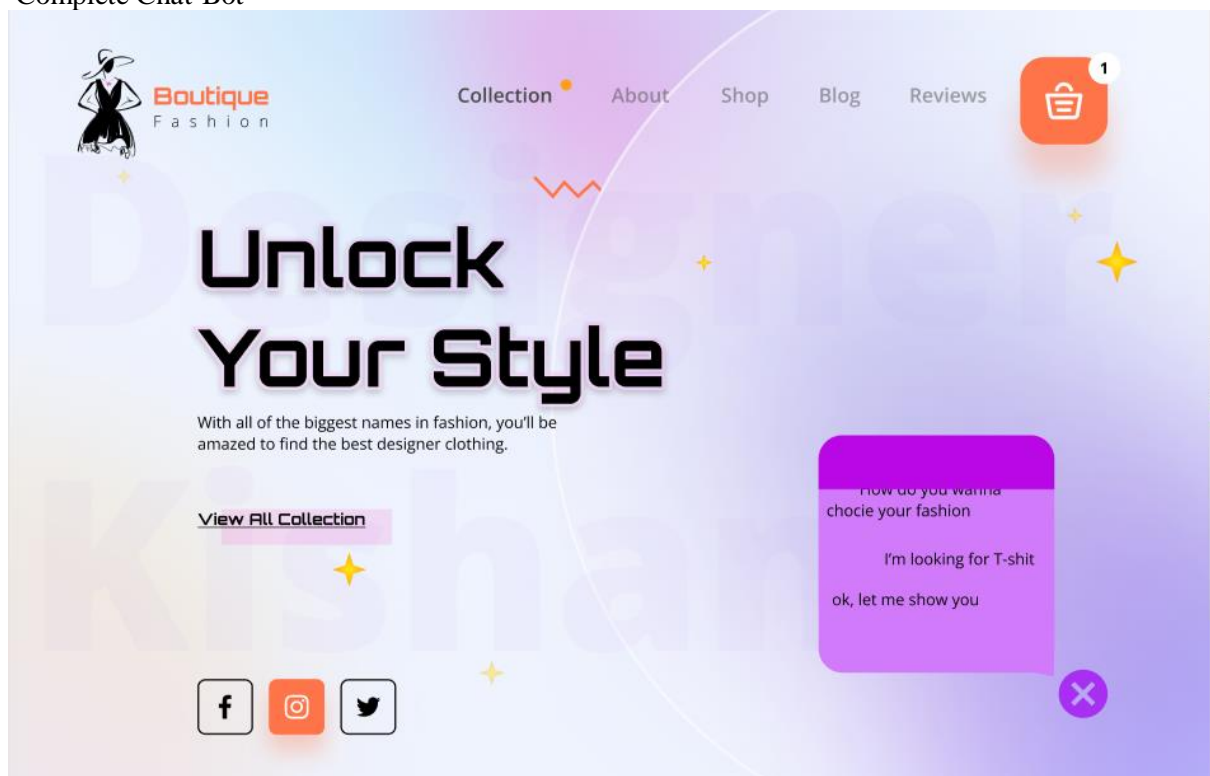
RAM 1.90GB CPU 1.46%

Not connected to Hub

v4.14.1



Complete Chat-Bot



Program:

Index file

```
<!doctype html>
<html>
<head>
</head>
<body>
  <script>!(function () {
    let e = document.createElement("script"),
        t = document.head || document.getElementsByTagName("head")[0];
    (e.src =
      "https://cdn.jsdelivr.net/npm/rasa-webchat@1.0.0/lib/index.js"),
      // Replace 1.x.x with the version that you want
      (e.async = !0),
      (e.onload = () => {
        window.WebChat.default(
          {
            customData: { language: "en" },
            socketUrl: "http://localhost:5005",
            // add other props here
          },
          null
        );
      }),
      t.insertBefore(e, t.firstChild);
  })();
</script>
</body>
</html>
```

App.py

```
from flask import Flask
from flask import render_template
# creates a Flask application, named app
app = Flask(__name__, static_url_path='/static')
@app.route("/")
def index():
    return render_template('index.html')
```

run the application

```
if __name__ == "__main__":
    app.run(host="0.0.0.0", debug=True)
```

docker compose

version: '2'

services:

rasa-flask:

image: rasa-chatotapp:latest

build:

context: .

dockerfile: Dockerfile

container_name: rasa-chat-app

```
volumes:
  - ./rasa_app
ports:
  - 5000:5000
command: python3 app.py
rasa-server:
  image: rasa/rasa:2.1.2-full
  container_name: rasa-chatbot-server
  volumes:
    - ./app
  ports:
    - 5005:5005
  command: run -m models --enable-api --cors "*"

```

docker file

```
FROM tensorflow/tensorflow:2.2.0
RUN mkdir -p /rasa_app
WORKDIR /rasa_app
COPY . /rasa_app
RUN python -m pip install -U pip
RUN pip install -r requirements.txt
#RUN pip install --user rasa-nlu==0.14.0
#RUN pip install --user rasa-core==0.13.2
RUN python -m spacy download en
RUN pip install --user rasa==2.1.2
RUN pip install --user sanic==19.9.0

```

Domain

```
version: "2.0"
```

intents:

- greet
- goodbye
- affirm
- deny
- mood_great
- mood_unhappy
- bot_challenge

responses:

utter_greet:

- text: "Hey! How are you?"

utter_cheer_up:

- text: "Here is something to cheer you up:"
image: "https://i.imgur.com/nGF1K8f.jpg"

utter_did_that_help:

- text: "Did that help you?"

utter_happy:

- text: "Great, carry on!"

utter_goodbye:

- text: "Bye"

utter_iamabot:

- text: "I am a bot, powered by Rasa."

session_config:

session_expiration_time: 60

carry_over_slots_to_new_session: true

datafile

version: "2.0"

nlu:

- intent: greet

examples: |

- hey
- hello
- hi
- hello there
- good morning
- good evening
- moin
- hey there
- let's go
- hey dude
- goodmorning
- goodevening
- good afternoon

- intent: goodbye

examples: |

- good afternoon
- cu
- good by
- cee you later
- good night
- bye
- goodbye
- have a nice day
- see you around
- bye bye
- see you later

- intent: affirm

examples: |

- yes
- y
- indeed
- of course
- that sounds good
- correct

- intent: deny

examples: |

- no
- n
- never
- I don't think so

- don't like that
- no way
- not really

- intent: mood_great

examples: |

- perfect
- great
- amazing
- feeling like a king
- wonderful
- I am feeling very good
- I am great
- I am amazing
- I am going to save the world
- super stoked
- extremely good
- so so perfect
- so good
- so perfect

- intent: mood_unhappy

examples: |

- my day was horrible
- I am sad
- I don't feel very well
- I am disappointed
- super sad
- I'm so sad
- sad
- very sad
- unhappy
- not good
- not very good
- extremely sad
- so sad
- so sad

- intent: bot_challenge

examples: |

- are you a bot?
- are you a human?
- am I talking to a bot?
- am I talking to a human?