

# FRIDAY

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Friday is a virture assistant help you deal with exist problem in nowadays retail store

Friday includes 4 parts:

- Chatbot - Natural language processing unit and feedback system
- Cross-platform apps for IOS and Android
- An systems to input databases for stores' owners (Develop in the future)
- Camera systems to tracking the shelves (Develop in the future)

## Outline

- [How to use chatbot](#)
- [How to deploy application](#)

## Requirements:

- Python 3.6
- Flutter
- Android Studio
- Rasa 0.9.8
- SPaCy pretrained NLU models
- ngrok
- Firebase
- Additional packages

## How to use chatbot

Chat bot is build on **RASA** 0.9.8

### Training:

```
python trainer.py train-all
```

### Testing:

```
from rasa_core.agent import Agent
agent = Agent.load('models/dialogue', interpreter=model_directory)
print("Your bot is ready to talk! Type your messages here or send 'stop'")
while True:
    a = input()
    if a == 'stop':
        break
    responses = agent.handle_message(a)
```

```
for response in responses:  
    print(response["text"])
```

### Deploy on local server

```
python -m rasa_core.server -d models/dialogue -u models/nlu/default/current -o  
models/out.log
```

So the bot API will run in the localhost at port 5005

### Deploy on testing server

```
ngrok http 5005
```

Then use the ngrok provided address to test the server.

### Call API

Request a POST method to:

```
http:localhost:5000/conversations/default/respond
```

or

```
<your-provided-ngrok-address>/conversations/default/respond
```

Where the message has form:

```
{"query": "your message"}
```

## How to deploy application

Open Android Studio and install the packages. Then run the commands

```
flutter run
```