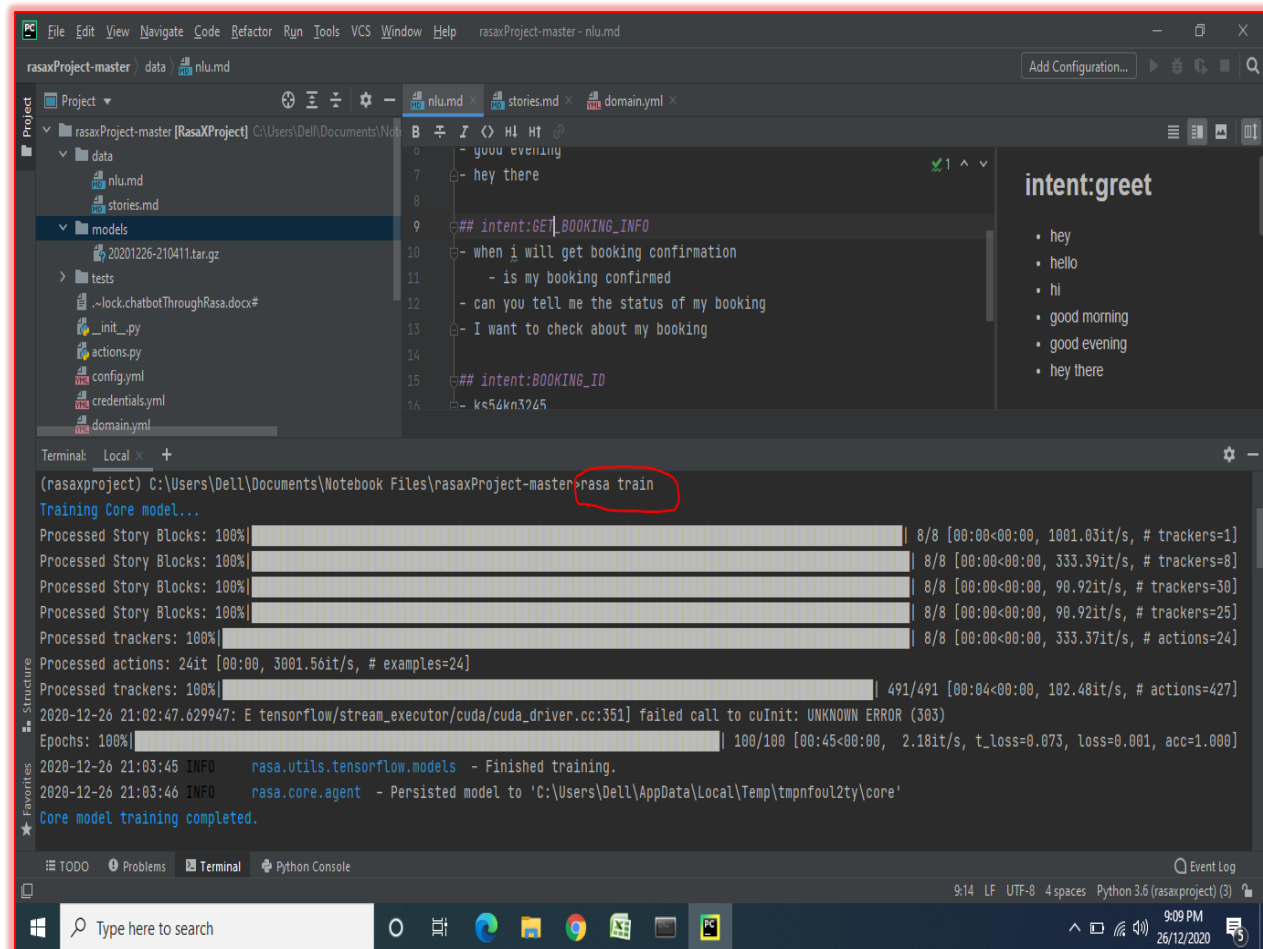


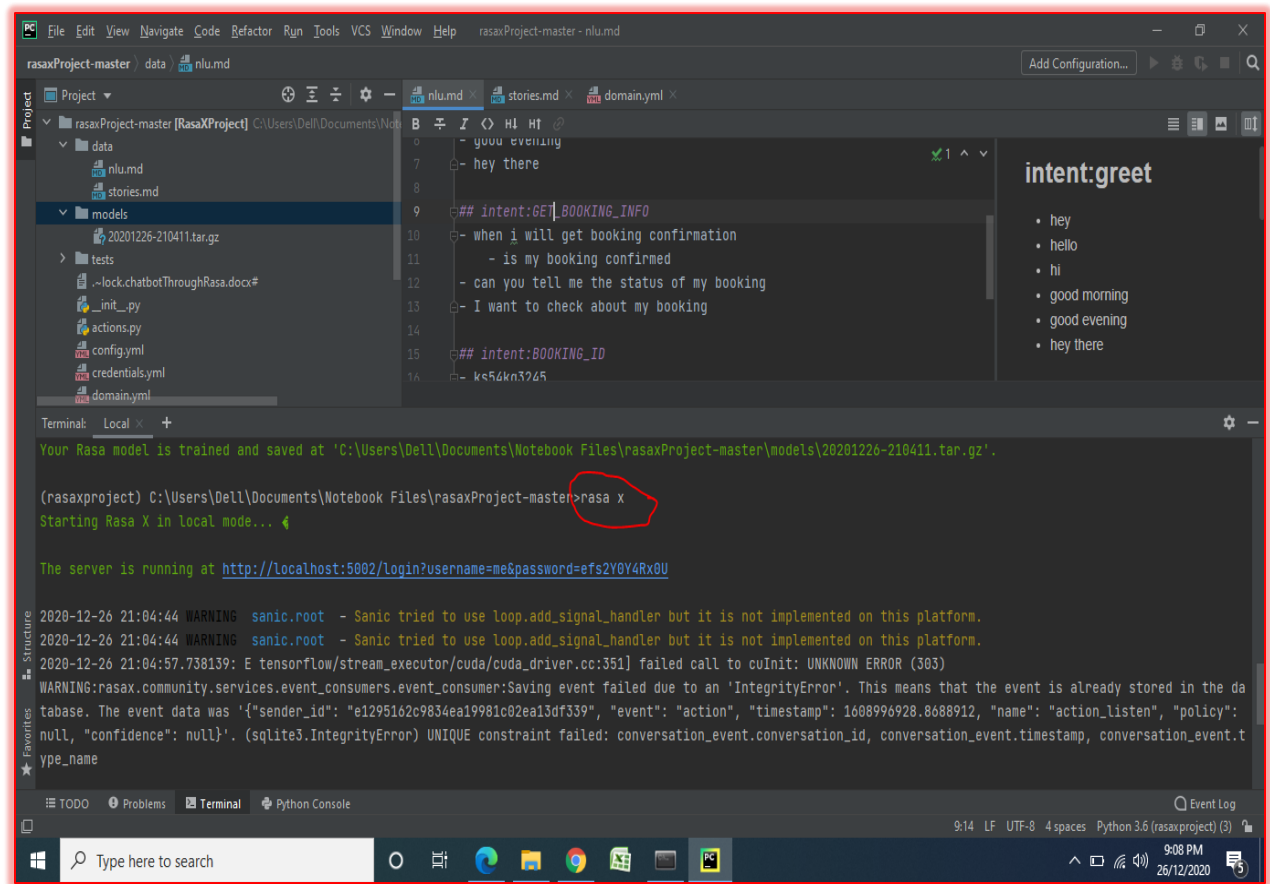
CHATBOT ASSIGNMENT USING RASA NLU

1) Training the model in pycharm



```
File Edit View Navigate Code Refactor Run Tools VCS Window Help rasaxProject-master - nlu.md
rasaxProject-master / data / nlu.md
Project
  rasaxProject-master [RasaXProject] C:\Users\ DELL\Documents\Notebook Files\rasaxProject-master
    data
      nlu.md
      stories.md
    models
      20201226-210411.tar.gz
    tests
      _lock.chatbotThroughRasa.docx#
      _init_.py
      actions.py
      config.yml
      credentials.yml
      domain.yml
nlu.md
  0 - yuuu evening
  7 - hey there
  9 ## intent:GET_BOOKING_INFO
  10 - when i will get booking confirmation
  11   - is my booking confirmed
  12   - can you tell me the status of my booking
  13 - I want to check about my booking
  15 ## intent:BOOKING_ID
  16 - ke54kn37265
intent:greet
  • hey
  • hello
  • hi
  • good morning
  • good evening
  • hey there
Terminal: Local x +
(rasaxproject) C:\Users\ DELL\Documents\Notebook Files\rasaxProject-master> rasa train
Training Core model...
Processed Story Blocks: 100%| 8/8 [00:00<00:00, 1001.03it/s, # trackers=1]
Processed Story Blocks: 100%| 8/8 [00:00<00:00, 333.39it/s, # trackers=8]
Processed Story Blocks: 100%| 8/8 [00:00<00:00, 90.92it/s, # trackers=30]
Processed Story Blocks: 100%| 8/8 [00:00<00:00, 90.92it/s, # trackers=25]
Processed trackers: 100%| 8/8 [00:00<00:00, 333.37it/s, # actions=24]
Processed actions: 24it [00:00, 3001.56it/s, # examples=24]
Processed trackers: 100%| 491/491 [00:04<00:00, 102.48it/s, # actions=427]
2020-12-26 21:02:47.629947: E tensorflow/stream_executor/cuda/cuda_driver.cc:351] failed call to cuInit: UNKNOWN ERROR (303)
Epochs: 100%| 100/100 [00:45<00:00, 2.18it/s, t_loss=0.073, loss=0.001, acc=1.000]
2020-12-26 21:03:45 INFO rasa.utils.tensorflow.models - Finished training.
2020-12-26 21:03:46 INFO rasa.core.agent - Persisted model to 'C:\Users\ DELL\AppData\Local\Temp\tmpnfoul2ty\core'
Core model training completed.
```

2) Running the model in local host



The screenshot shows an IDE window titled 'rasaxProject-master - nlu.md'. The left sidebar displays a project tree with folders 'data', 'models', 'tests', and files like 'config.yml', 'credentials.yml', and 'domain.yml'. The main editor shows a YAML file 'nlu.md' with intents: 'greet' (examples: 'youu evening', 'hey there') and 'BOOKING_ID' (examples: 'when i will get booking confirmation', 'is my booking confirmed', 'can you tell me the status of my booking', 'I want to check about my booking'). A right-hand pane shows the 'intent:greet' details with a list of examples. The bottom terminal pane shows the command '(rasaxproject) C:\Users\Dell\Documents\Notebook Files\rasaxProject-master>rasa x' being executed, with output indicating the server is running at 'http://localhost:5002/login?username=me&password=efs2Y0Y4Rx0U'. Below the terminal, a Windows taskbar is visible with the search bar and system tray showing the time as 9:08 PM on 26/12/2020.

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help rasaxProject-master - nlu.md
rasaxProject-master / data nlu.md
Add Configuration...

Project
  rasaxProject-master [RasaXProject] C:\Users\Dell\Documents\Notebook Files\rasaxProject-master
    data
      nlu.md
      stories.md
    models
      20201226-210411.tar.gz
    tests
      _lock.chatbotThroughRasa.docx#
      _init_.py
      actions.py
      config.yml
      credentials.yml
      domain.yml

nlu.md
0  - youu evening
7  - hey there
8
9  ## intent:GREETING_BOOKING_INFO
10 - when i will get booking confirmation
11   - is my booking confirmed
12   - can you tell me the status of my booking
13 - I want to check about my booking
14
15 ## intent:BOOKING_ID
16 - ks54kn3765

intent:greet
  • hey
  • hello
  • hi
  • good morning
  • good evening
  • hey there

Terminal: Local x
Your Rasa model is trained and saved at 'C:\Users\Dell\Documents\Notebook Files\rasaxProject-master\models\20201226-210411.tar.gz'.

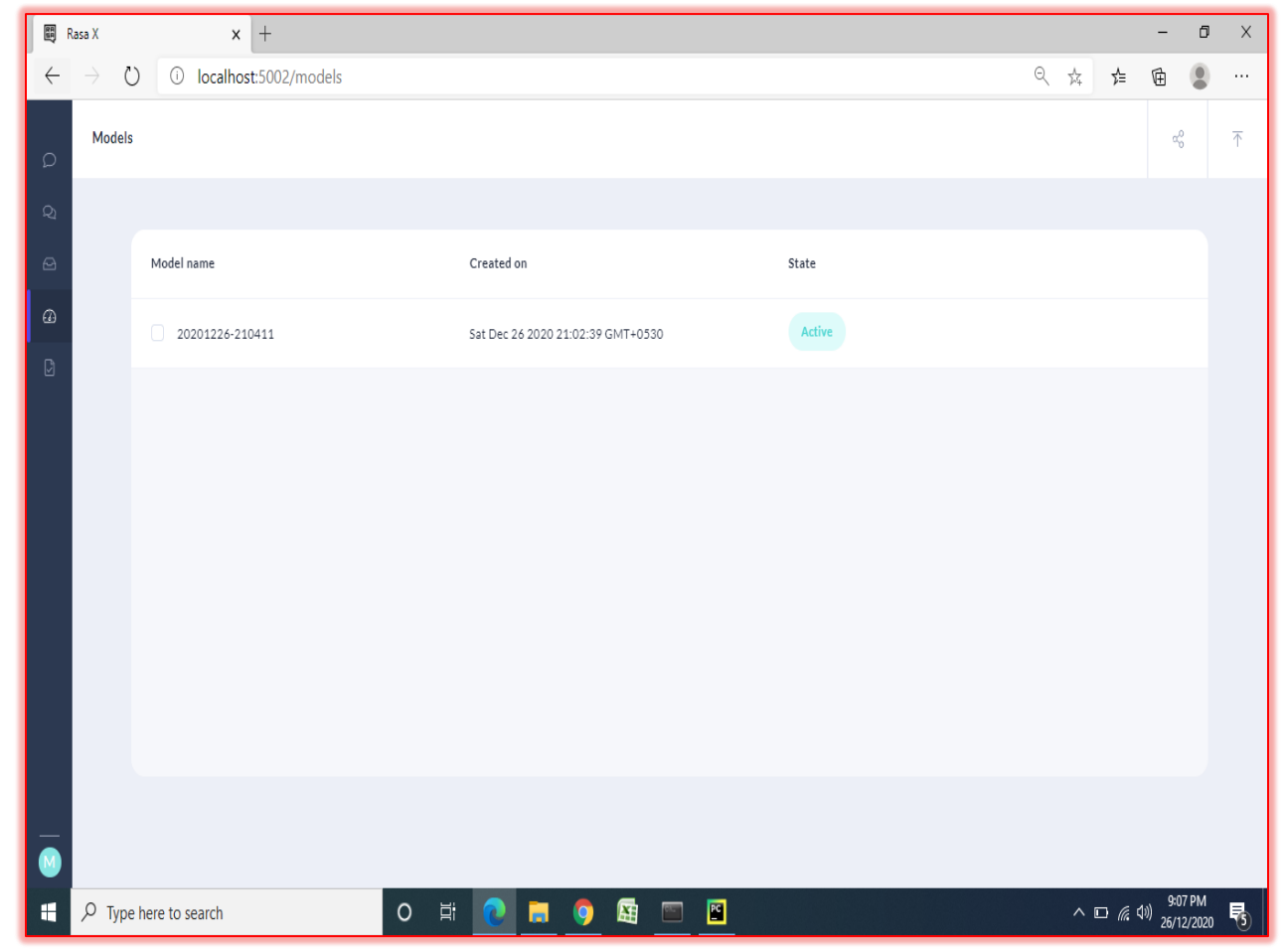
(rasaxproject) C:\Users\Dell\Documents\Notebook Files\rasaxProject-master>rasa x
Starting Rasa X in local mode...

The server is running at http://localhost:5002/login?username=me&password=efs2Y0Y4Rx0U

2020-12-26 21:04:44 WARNING sanic.root - Sanic tried to use loop.add_signal_handler but it is not implemented on this platform.
2020-12-26 21:04:44 WARNING sanic.root - Sanic tried to use loop.add_signal_handler but it is not implemented on this platform.
2020-12-26 21:04:57.738139: E tensorflow/stream_executor/cuda/cuda_driver.cc:351] failed call to cuInit: UNKNOWN ERROR (303)
WARNING:rasax.community.services.event_consumers.event_consumer:Saving event failed due to an 'IntegrityError'. This means that the event is already stored in the da
tabase. The event data was '{"sender_id": "e1295162c9834ea19981c02ea13df339", "event": "action", "timestamp": 1608996928.8688912, "name": "action_listen", "policy":
null, "confidence": null}'. (sqlite3.IntegrityError) UNIQUE constraint failed: conversation_event.conversation_id, conversation_event.timestamp, conversation_event.t
ype_name

9:14 LF UTF-8 4 spaces Python 3.6 (rasaxproject) (3)
```

3) Showcasing the model in Rasa Interface



4) Interaction with the Chabot in Local host.

