Machine Learning Engineer - job interview test task

This task is for Eddy Travels - Machine Learning Engineer position interview evaluation purposes only. It does not include any confidential information or proprietary Eddy Travels intellectual property.

Objective:
Train named entity classifier capable to recognize departure and destination locations.

Requirements:

- Set up a new RASA project (you will be using NLU component only, see https://rasa.com/docs/rasa/nlu/using-nlu-only/)
- Detect departure and destination in a sentence:
  I'm going from Tokyo to London tomorrow"
- Detect departure and destination without "from" keyword:
  "Tokyo to London"

Notes:

- Consider using Chatette to quickly generate a sufficient amount of data for training
- You don't have to integrate any chat platforms, the project only needs to cover testing via shell with rasa shell nlu or /model/parse endpoint.
- A lot of online resources can refer to RASA NLU and RASA Core as two separate projects and use examples that are no longer valid with the latest version. These two projects were recently merged and CLI commands and some class names have changed.

Starter resources:

- https://rasa.com/docs/rasa/nlu/using-nlu-only/
- https://rasa.com/docs/rasa/nlu/entity-extraction/
- https://medium.com/bhavaniravi/entity-extraction-demistifying-rasanlu-part-3-13a460451573

Additional cases to think about (not required to accomplish this task):

- Detect multi-word entities:
  "from London to Rio de Janeiro on Monday"
- Do not detect dates:
  "from January to March"
  "from 8am"
- Detect departure and destination when no keywords are given at all:
  "Tokyo London"