Artificial Intelligence Project

potus.ai

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Driven to Discover℠

Introduction

-   Conversational chat-bot depicting Presidents of the United States
-   Based on "Designing a Chat-bot that Simulates an Historical Figure" by Faculty of Automatic Control and Computers, University Politehnica of Bucharest
-   Paper focused on importing the personality of a historical figure
-   Informational Chatbot which conveys information in the form of a conversation
-   Can be used to have formal conversations with these eminent personalities
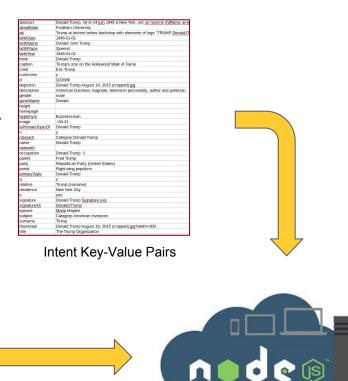
Methodology

- Creation of intents in IBM Watson Conversation using a CSV File
- Extraction of data from DBPedia using rdflib in Python based on the name of the US President entered by user
- Creation of a HashMap which stores the key-value pairs of intents and its corresponding values in Node.js
- Response based on the mapped intent in the Watson API hosted on a Node.js server
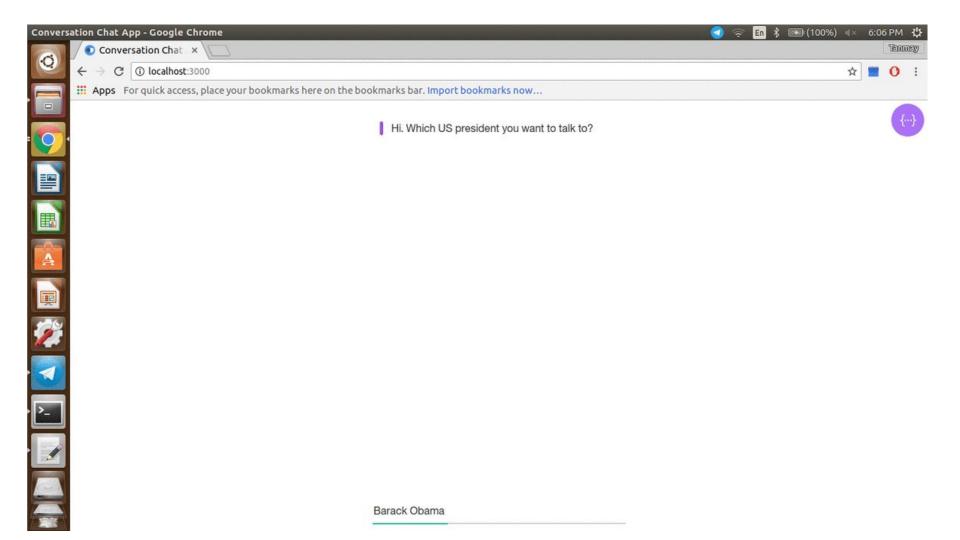
System Data Flow Representation

DBPedia RDF File

Intent Key-Value Pairs

IBM Watson Conversation App Dashboard

Node.js Server

Sample Demo

Conversation Chat App - Google Chrome

Conversation Chat ×

← → C ① localhost:3000

Apps For quick access, place your bookmarks here on the bookmarks bar. Import bookmarks now...

Hi. Which US president you want to talk to?

Barack Obama

Reference

- Node.js Picture (Source: https://www.visualstudio.com/vs/node-js/)