# ISYS30221 Artificial Intelligence

## Coursework Documentation Template

## 1- About this submission

|  |  |
| --- | --- |
| Student Name | Jaylen Arscott |
| Student ID | N1071972 |
| Chatbot Topic | Pokémon Characters |
| Tasks implemented in this submission | Task a  Task b  Task c    Task a extra – short title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Task b extra – short title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Task c extra – short title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Files inventory (excluding this file) |  |
| Demo video URL |  |
| Checklist | I will submit this file separately (without compression) into DropBox  All other files are zipped and will be submitted into DropBox  The demo video is recorded as instructed, and the sharing link is inserted above  I have made sure that the demo video is shared according to the instructions, so that I allowed everybody in the university to view it.  All the sections below are populated accordingly. |

## 2- Design notes (shrink/grow as needed, add images where applicable)

|  |  |
| --- | --- |
| General explanations of the system and its goals | The Pokémon Chatbot is a multi-component interactive system designed to provide users with information about Pokémon through various AI mechanisms. The system integrates pattern matching, natural language processing, logical inference, and image classification to create a comprehensive Pokémon assistant.  This chatbot has multiple core components such as AIML pattern matching those processes user queries using pattern-based response generation as well as knowledge base integration to utilise a Q&A database for similarity matching and Wikipedia integration to fetch present relevant Pokémon information.  There is also a logical reasoning system where a first order logic knowledge base that maintains facts and rules about Pokémon (types, evolutions, weaknesses). |
| The system requirements, i.e., the list of what the system should do/have from a user’s perspective |  |
| The employed AI techniques, and the explanation of program codes and the supplied files. |  |

## 3- Conversation log (insert text, screenshots and/or images as required)

|  |
| --- |
|  |

(no word count is necessary)