Testing

# Unit Testing

# Functional Testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Expected Output | Evidence | Success? |
| F1 | User Interaction |  |  |  |
| F2 | Browser Access |  |  |  |
| F3 | Text Input |  |  |  |
| F4 | Responses on Page |  |  |  |
| F5 | Conversation History |  |  |  |
| F6 | Person Description Query |  |  |  |
| F7 | Person Birthdate Query |  |  |  |
| F8 | Person Age Query |  |  |  |
| F9 | Person Birthplace Query |  |  |  |
| F10 | Person Death Date Query |  |  |  |
| F11 | Person Known For Query |  |  |  |
| F12 | Person Photo Query |  |  |  |
| F13 | Person Wikipedia Link Query |  |  |  |
| F14 | Country Description Query |  |  |  |
| F15 | Country Population Query |  |  |  |
| F16 | Country Capital Query |  |  |  |
| F17 | Person AND Query |  |  |  |
| F18 | Context-aware Conversation |  |  |  |
| F19 | Chatbot Greeting |  |  |  |
| F20 | Chatbot Examples |  |  |  |
| F21 | Chatbot Help |  |  |  |

# Performance Testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Description | Method | Evidence | Success? |
| P1 | The web page should load fully in less than 5 seconds |  |  |  |
| P2 | The chat bot should respond to each query within 5 seconds |  |  |  |
| P3 | The application should function without failure |  |  |  |
| P4 | Any errors that do occur during normal operation should be logged, and the user  should be clearly informed that an error has occurred |  |  |  |

# System Testing

* Correctness of information
* Black box
* Browser support
* Mobile support

# Acceptance Testing