[PyAssistant] Test Plan

**Version 1.00 Project Team: Role:**

**Date 7.01.2018** Robert Radu [Project Manager + TW]

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**Project Client:**

MPS Team

**I. Introduction**

This serves as the plan for testing all project functionalities as well as the reporting of test results.

**II. Test Plan**

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| --- | --- | --- | --- | --- |
| Test ID | Requirement Description | Testing Steps | Expected Results | Actual Results |
| 1.0 | Program can detect user voice. | Run program and say anything into the microphone after the prompt. | Program responds with what it understood | Pass |
| 1.1 | Program can correctly recognise voice message | Run program and say anything into the microphone after the prompt. | Your message is printed on the screen after a few seconds. | Pass |
| 1.2 | After an input, the right command is executed | Run the program and execute any command. | The right command is executed | Pass |
| 2.0 | At least a total of 15 possible commands are implemented. | Test each possible command. | The commands are executed as expected. | Fail |
| 2.1 | At least a total of 4 system related commands are implemented. | Test each possible system command. | Commands are executed as expected. | Fail |
| 2.2 | At least a total of 4 internet related commands are implemented. | Test each possible internet command. | Commands are executed as expected. | Pass |
| 2.3 | At least a total of 4 application related commands are implemented. | Test each possible application command. | Commands are executed as expected. | Fail |
| 2.4 | At least a total of 3 commands that require further information are implemented. | Test each possible command that requires extra input. | Commands are executed as expected. | Pass |
| 3 | The program runs until the user exits. | Enter more than one commands. Enter the exit command. | The program exits as planned | Pass |
| 4 | Apps that are opened by the assistant can also be closed by it. | Open any app using the tool and then tell the assistant to close it. | The app is closed as expected. | Fail |
| 5 | Output is being parsed correctly. | Try the weather command for the city of Bucharest. | Only relevant information is displayed. | Fail |

**III. Testing Deliverables**

Following the test plan will produce a Test Summary Report which shows the status of the implementations of client requirements.

**IV. Environmental Requirements**

* Software: Python 3
* **OS:** Any of the following:
  + Linux (Ubuntu recommended)
  + macOS
* Working microphone
* Active internet connection

**V. Troubleshooting**

* If the program is not receiving any input, make sure your microphone is working
* If the online recognition engine is not working, check you internet connection
* If the online recognition engine is not working and the internet connection is ok, make sure you didn’t pass the 50 requests limit.
* If the weather commands is not working, make sure your internet connection is ok, and you didn’t pass the 10 requests / minute limit.
* Contact the project manager if the problems persists.

**VI. Approvals**

Requires approval from the Project Manager (Robert) and the Client (MPS Team)to sign off on test results.

**VII. Document Revision History:**

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| --- | --- |
| Version | 1.00 |
| Name(s) | Robert Badea |
| Date | 7.01.2018 |
| Change Description | Created test plan. |