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Process Definition

Document

**Random Weather Generator Document**

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# INTRODUCTION



## Purpose

## To have a clear vision and plan for targeted objectives

## Objectives

* Reduce processing time per item by 80%.
* Better Monitoring of the overall activity by using the logs provided by the robots.
* Reduce Human Mistakes
* Increase portability

## Key Contacts

Add here any stakeholders that need to be informed or to approve changes to the process:

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Name | Contact Details (email, phone number) | Notes |
| B.A | Hady Abobakr Abdelaleem | hadyabdelaleem@gmail.com | Non |
| Developer | Hady Abobakr Abdelaleem | hadyabdelaleem@gmail.com | Non |

## Minimum Pre-requisites for the Automation

# AS IS Process description

In this section the Business Analyst will document the process. This section will serve as the starting point for the re-engineering and automation effort.



## Process Overview

Section contains general information about the process before automation.

|  |  |
| --- | --- |
| Item | Description/Answer |
| Process Full Name | Random Weather Generator |
| Process Area | Weather Search |
| Department | Research |
| Short Description (operation, activity, outcome) | Random Weather Generator Document |
| Role(s) required in applications to perform the process | Rpa Developer |
| Process schedule and frequency | Daily |
| Number of times the process is ran by selected frequency | ~ 100 per one Day |
| Process execution time | 1 min. 38 sec + User Selecting time |
| Process Restrictions | Make sure Valid input from user |
| Peak Period (s) | **Non** |
| Peak Volume Approximate increase | Take 20% in increasing as safety margin |
| Number of persons performing the process | 1 |
| Expected Volume increase during next periods | ***20% of Daily Volume*** |
| Percentage Un-handled exceptions | 0% |
| Input data description | ***Select from list*** |
| Output Data description | **Weather Stat** |

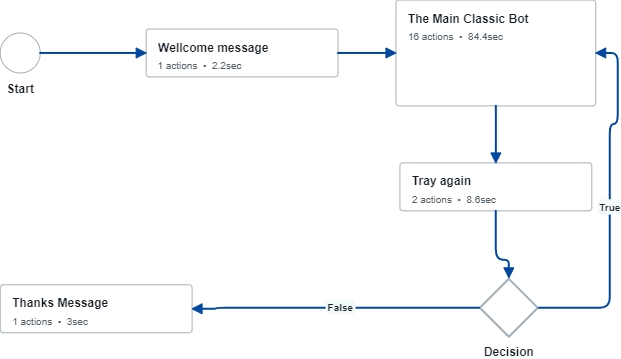
## Applications Used

The table includes a comprehensive list of all the applications that are used as part of the process to be automated to perform the given actions in the flow.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Application Name | Version | Application Language | Thin/Thick Client | Environment/ Access method | Comments |
| Microsoft Edge Browser | Latest | EN |  |  | Non |
| Not pad | Latest | EN |  |  | Non |

## AS IS Process Map

### High Level Process Map from Task capture



### Detailed Level Process Map

A screenshot of a computer screen

Description automatically generated

## Process Statistics

**High Level statistics**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Processes | Windows | Actions | Mouse clicks | Keys pressed | Text entries | Hotkeys used | Time |
| 3 | 9 | 20 | 20 | 0 | 0 | 0 | 1 min. 38 sec. |

**Detailed statistics**

|  |  |  |  |
| --- | --- | --- | --- |
| Window name | Mouse clicks | Text entries | Key pressed |
| Message Box | 2 | 0 | 0 |
| please Enter Climate | 2 | 0 | 0 |
| please Enter Season | 2 | 0 | 0 |
| please Enter SupernaturalWeather | 2 | 0 | 0 |
| Tray again | 2 | 0 | 0 |
| Google - School - Microsoft​ Edge | 3 | 0 | 0 |
| random weather generator - Google Search - School - Microsoft​ Edge | 1 | 0 | 0 |
| donjon; Random Weather Generator - School - Microsoft​ Edge | 5 | 0 | 0 |
| Output.txt - Notepad | 1 | 0 | 0 |
|  |  |  |  |
|  |  |  |  |

## Detailed As Is Process Actions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| #Action | Input | Description | Details (Screen/Video Recording Index) | Exceptions Handling | Possible Actions |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

|  |  |
| --- | --- |
| 1. Welcome message | |
|  | **Est. time: 2.2 sec.** |

|  |  |
| --- | --- |
|  |  |
|  | Est. time: 2.2 sec. |
| image | **Present Welcome Message to User** |

|  |  |
| --- | --- |
| 1. The Main Classic Bot | |
|  | **Est. time: 1 min. 24 sec.** |

|  |  |
| --- | --- |
|  |  |
|  | Est. time: 3.1 sec. |
| image | Open Google with Microsoft Edge Browser |

|  |  |
| --- | --- |
| * 1. Type into |  |
|  | Est. time: 3.5 sec. |
| image | Type into Search par “Random wither Generator” |

|  |  |
| --- | --- |
| * 1. Search |  |
|  | Est. time: 19.10 sec. |
| image | Action: Click  **Click Search Bottom** |

|  |  |
| --- | --- |
| * 1. Click in First Link |  |
|  | Est. time: 4.9 sec. |
| image | Action: Click  **On the Random Weather Generator First link** |

|  |  |
| --- | --- |
| * 1. User Action |  |
| Climate | Est. time: 8.1 sec. |
| image | **Input Dialog for User Climate selection**  **Make It Dynamic List as it is in in Random Weather Generator** |

|  |  |
| --- | --- |
| * 1. Season |  |
|  | Est. time: 7.2 sec. |
| image | **Input Dialog for User Season selection**  **Make It Dynamic List as it is in in Random Weather Generator** |

|  |  |
| --- | --- |
| * 1. Supernatural Weather |  |
|  | Est. time: 4.9 sec. |
| image | **Input Dialog for User Supernatural Weather selection**  **Make It Dynamic List as it is in in Random Weather Generator** |

|  |  |
| --- | --- |
| * 1. Bot Execution Climate |  |
|  | Est. time: 3.1 sec. |
| image | Apply User Climate Selection |

|  |  |
| --- | --- |
| * 1. Season Execution |  |
|  | Est. time: 3.5 sec. |
| image | Apply User **Season** Selection |

|  |  |
| --- | --- |
| * 1. Supernatural Weather Execution |  |
|  | Est. time: 2.1 sec. |
| image | Apply User **Supernatural Weather** Selection |

|  |  |
| --- | --- |
| * 1. Generate |  |
|  | Est. time: 1.6 sec. |
| image | Action: Click Generate |

|  |  |
| --- | --- |
| * 1. Targeted information |  |
|  | Est. time: 3.1 sec. |
| image | Extract All targeted information |

|  |  |
| --- | --- |
| * 1. Not pad |  |
|  | Est. time: 1.5 sec. |
| image | Write Output Data in a Not pad file |

|  |  |
| --- | --- |
| 1. Tray again | |
|  | **Est. time: 8.6 sec.** |

|  |  |
| --- | --- |
| * 1. User Asking |  |
|  | Est. time: 7.1 sec. |
| image | Ask User if he want to tray again or not |

|  |  |
| --- | --- |
| 1. Decision | |
| If 'True' then go to '2. The Main Classic Bot'  If 'False' then go to '5. Thanks Message' | **Est. time: 0.0 sec.** |

|  |  |
| --- | --- |
| 1. Thanks Message | |
|  | **Est. time: 3.0 sec.** |

|  |  |
| --- | --- |
|  |  |
|  | Est. time: 2.10 sec. |
| image | Thank You Message window |

## Exceptions Handling

## Input Data Description

The following table should contain details regarding the inputs that every action of the process takes.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| #Action | Sample | Input Type | Location | Are inputs Natively Digital\*? | Are the Inputs Structured\*? |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

***Thank You***