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API Random User Process

**Solution Design   
Document**



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# Purpose



Outlines the major components of the Master Project (the overall output of the development, containing one or multiple projects that together cover the scope of the robotic process automation) taking into account all the business restrictions (scheduling, peaks, future increases in volume etc.). The focus of the Solution Architect will be on:

* Robustness;
* Scalability;
* Efficiency;
* Replicability;
* Reusability of component

The information herein is targeted primarily at the developers that will initially implement the solution and subsequently at the support developers in case of change requests.

# Document History

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Date | Version | Role | Name | Organization/ Department | Function | Comments |
| 22nd Jan, 2023 | 1.0 | Author | Ujjwal Kumar | Automation | Developer | Initial Draft |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

# Automated process details

Details filled in need to reflect the actual information for the Master Project released for production. The following table will be populated:

|  |  |
| --- | --- |
| Item | Description |
| Project Name | API Random User |
| Robot Type | Unattended |
| Is Background process?  (No click like UI interaction) | Background |
| Orchestrator used? | e.g. Yes |
| Scalable | e.g., Yes |
| UiPath version used | @2022.10 |

# Runtime guide

## Architectural structure of the Master Project

Display the interaction between components (package / robots, Orchestrator queues, and running order) in a diagram

## Master Project Runtime Details

Outlines the details of the automated process by filling in the table below.

|  |  |
| --- | --- |
| ITEM NAME | DESCRIPTION  *Fill in each bolded section - empty fields are not allowed. If the section does not apply to your automation then mark as n/a.* |
| Production environment details | *https://cloud.uipath.com/vajraskkgood* |
| Prerequisites to run | ***NA*** |
| Input Data | ***NA*** |
| Expected output | ***Store the data in the Storage Bucket*** |
| How to start the automated process | ***Call Random api user (https://randomuser.me/api/)*** |
| Reporting (queues reporting, Kibana, Excel or another platform) | ***NA*** |
| How is Orchestrator used? | *Orchestrator server is used to store the files* |
| Password policies (mention any specific compliance requests) | ***NA*** |
|  |  |
| Stored credentials  (Never use hardcore credentials in the workflow!) | ***NA*** |
|  |  |
| List of queues names | ***NA*** |
| Schedule Details | ***Example:*** *Daily, 6 A.M CET* |
| Multiple Resolutions Supported?  (in case of image automation / Citrix and VDI) | ***NA*** |
| Recommended Resolution | ***Example:*** *n/a* |
| Scalable | ***Example:*** *Yes* |
| Environment used for development  (name, location, configuration details etc) | ***Example:*** *DEV\_Env1\_EMEA ( VM computer)* |
| Environment prerequisites  (OS details, libraries, required apps) | ***Example:*** *Windows 7, BackOffice&Studio license, Microsoft Excel* |
| Repository for project  (where is the developed project stored) | ***Example:*** *http://github.com/ProjectName* |
| Configuration method  (assets, excel file, Json file) | ***Example:*** *Assets* |
| List of reused components |  |
|

## Project(s) workflows

1. Select the root folder from pop-up prompt.
2. Delete all the files from this selected folder.
3. Enter the number of time bot want to fetch the data via Input Dialog box.
4. Read the required data like Name, Gender, Id, Mobile No. using HTTP Request
5. Write the above fetched data in the notepad using Id as text filename.
6. Save the image using Id as file name (if Id is blank, the use Name as file name).
7. Upload the files in orchestrator using Upload Storage File activity.

## Packages

Include the list of packages and high-level description for each of them, to explain their purpose

* UiPath.Excel.Activities
* UiPath.Mail.Activities
* UiPath.System.Activities
* UiPath.Testing.Activities
* UiPath.UiAutomation.Activities
* UiPath.WebAPI.Activities

## Architectural structure of the Master Project

## 

Upload Storage File

**Storage Bucket**

**UiPath Studio**

# Other Details

### Future Improvements

Fill in any improvements that need to be considered for the future:

***Example:***

*• NA•*

### Other Remarks

Please mention here any other points that you consider relevant for the automation process.

***Example:*** *Run the process after 8 AM and complete before 6 pm IST.*