

Process Definition Document

Project Name: Local Crafts

TABLE OF CONTENTS

I.	INTRODUCTION.....	4
1.1	Purpose	4
1.2	Objectives	4
1.3	Key Contacts.....	4
1.4	Minimum Pre-requisites for the Automation	4
II.	AS IS Process description.....	5
2.1	Process Overview.....	5
2.2	Applications Used.....	5
2.3	AS IS Process Map	6
2.3.1	High Level Process Map	6
2.3.2	Detailed Level Process Map.....	6
2.4	Process Statistics	<i>Error! Bookmark not defined.</i>
2.5	Detailed As Is Process Actions.....	6
2.6	Input Data Description	<i>Error! Bookmark not defined.</i>
III.	TO BE Process description	8
3.1.	Detailed TO BE Process Map.....	9
3.2.	Parallel Initiatives.....	<i>Error! Bookmark not defined.</i>
3.3.	In Scope For RPA.....	<i>Error! Bookmark not defined.</i>
3.4.	Out Of Scope for RPA.....	<i>Error! Bookmark not defined.</i>
3.5.	Exceptions Handling	9
3.5.1.	Known Business Exceptions	9
3.5.2	Unknown Business Exceptions	10
3.6.	Applications Errors & Exceptions Handling	10
3.6.1.	Known Applications Errors and Exceptions	10
3.6.2.	Unknown Applications Errors and Exceptions	10
3.7.	Reporting	10
IV.	Other	11
4.1.	Additional sources of process documentation	11

I. INTRODUCTION

1.1 Purpose

The Process Definition Document outlines the business process chosen for automation. The document describes the sequence of actions performed as part of the business process, the conditions and rules of the process prior to automation (**AS IS**) as well as the new sequence of actions that the process will follow as a result of preparation for automation (**TO BE**).

The PDD is a communication document between:

- The RPA Business Analyst and the SME/Process Owner. The goal is to ensure that the RPA Business Analyst has the correct understanding of the process and has represented it accurately.
- The RPA Business Analyst and the Development team (represented by the Solution Architect and RPA Development Lead). The goal is to ensure that the process is documented appropriately and to a sufficient level of detail so that the Solution Architect can then create the solution based on the PDD content.

1.2 Objectives

The business objectives and benefits expected by the Business Process Owner after automation of the selected business process are:

- Reduce processing time per item by 80%.
- Better Monitoring of the overall activity by using the logs provided by the robots.

1.3 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
RPA Developer	Nour Othman	Nourothman.944@gmail.com	
Process Owner	Artikeys	artikeys@gmail.com	

1.4 Minimum Pre-requisites for the Automation

a)

II. 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.

2.1 Process Overview

Section contains general information about the process before automation.

Item	Description/Answer
Process Full Name	LocalCrafts
Process Area	User Machine
Department	Artikeys
Short Description (operation, activity, outcome)	Order Management Between Sellers and Customers
Process schedule and frequency	Daily, Monday to Friday, 9 am – 6 pm
Input data description	Customer contact information Seller Contact Info Order Information
Output Data description	Two Messages

**Add more rows to the table to include relevant data for the automation process. No fields should be left empty. Use "n/a" for the items that don't apply to the selected business process.*

2.2 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/Think Client	Environment/ Access method	Comments
UiPath Studio	2025	English			
Whatsapp	2025	English			
LocalCrafts Dashboard	2025	English			

**Add more rows to the table to include the complete list of applications.*

2.3 AS IS Process Map

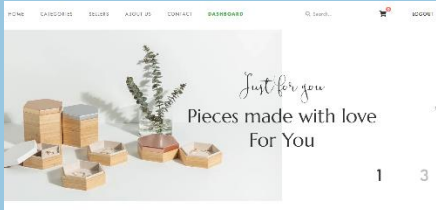
This section contains various process maps contributing to a better understanding of how the process is performed pre-automation.


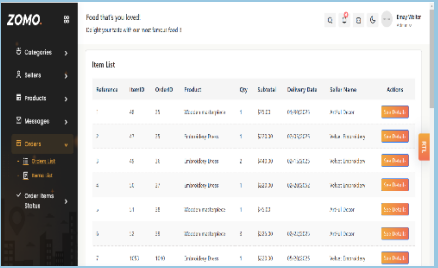
2.3.1 High Level Process Map

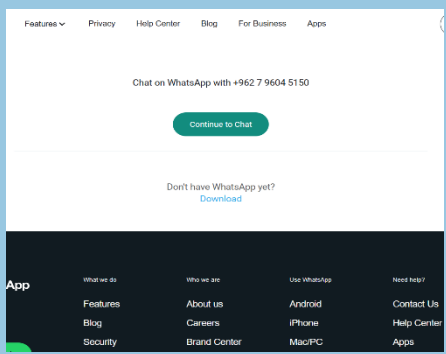
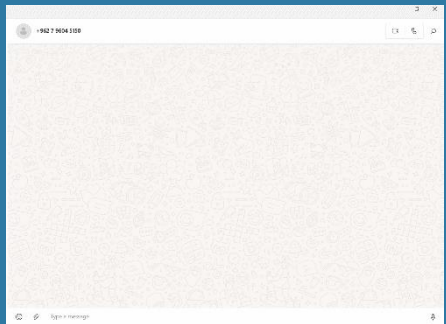
This section is useful for the Business Analyst in presentations and discussions with management to underline areas of weakness, inefficiency or to demonstrate which actions could be in scope for automation.

2.3.2 Detailed Level Process Map

This section describes the process at key-stroke level and is an essential part for the communication with the developers.

#Action	Input	Description	Details (Screen/Video Recording Index)	Exceptions Handling	Possible Actions
Lunch Local Crafts Web	localhost:7292/Account/Login	Use browser/application to lunch login page		If admin already login go to home	

Login	Credential	Input user name and password using credential			
Go to dashboard	Using go to URL activity				
Go to orders	Click activity				
Go To Item list	Click Activity	In this step filter this table by max item id to use it in next assets and loops in the new orders			
Extract Item ID from Each Row		Need this in next steps			
Go To Item Details	Use go to URL activity				
Extract Data Table		Send to queue			

Go To Whatsapp	Use https://wa.me [Seller/Buyer Phone Number]				
Open Whatsapp Application	Type into text message for each seller and buyer depending on status				

2.4 Detailed As Is Process Actions

III.TO BE PROCESS DESCRIPTION



In this section the proposed improvements to the process, actions to the process will be outlined as well as the actions proposed for automation and the type of robot required. **This will be cross-**

checked by the Solution Architect.

3.1. Detailed TO BE Process Map

A detailed process map of the process as it will look like post-automation will be outlined here.

*Highlight Bot interventions/ To-Be automated actions with different legend/ icon (purple).
Mention below if process improvements were performed on the To-Be design and provide details.*

Legend	Description
1	Action number in the process. Referred to in details or Exceptions and Errors table.
	This process action is proposed for automation.
	This process action remains manual (to be performed by a human agent).

3.2. Exceptions Handling

The Business Process Owner and Business Analysts are expected to document below all the business exceptions identified in the automation process. Exceptions are of 2 types and both need to be addressed:

Known exceptions = previously encountered. A scenario is defined with clear actions and workarounds for each case.

Unknown = New situation that was not encountered before. It cannot be predicted and in case it happens it needs to be flagged and communicated to an authorized person for evaluation.

3.2.1. Known Business Exceptions

Details regarding how the robot should handle the exceptions.

Exception Name	Action	Parameters	Action to be taken
Wrong phone number	error		Admin will correct the number
Wrong status	Send wrong message		

3.5.2 Unknown Business Exceptions

An umbrella rule that includes a notification needs to be designed for all other exceptions that could happen and cannot be anticipated.

e.g.: for all other cases which do not follow the rules defined an e-mail should be sent to: exceptions@company.com with a screen shot and robot should proceed to next transaction.

3.3. Applications Errors & Exceptions Handling

A comprehensive list of all errors, warnings or notifications should be consolidated here together with the action to be taken for each by the Robot. There are 2 types of exceptions/errors:

Known = Previously encountered and action plan or workaround available for it (e.g. SAP unresponsive during peak times)

Unknown = these are exceptions and errors that cannot be anticipated but for which the robot needs to have a rule so that the RPA solution is sustainable.

3.3.1. Known Applications Errors and Exceptions

Details regarding how the robot should handle the exceptions.

Error/Exception Name	Action	Parameters	Action to be taken
Web app not available			Send email to nourothman@gmail.com

3.3.2. Unknown Applications Errors and Exceptions

An umbrella rule that includes a notification needs to be designed for all other exceptions that could happen and cannot be anticipated.

e.g. robot should attempt to access the application 3 times then it should terminate thread.

3.4. Reporting

In this section all the reporting requirements of the business should be detailed so that when the RPA solution is moved to production the administrators can track the performance of the solution.

Report Type	Update frequency	Details	Monitoring Tool to visualize the data
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** For complex reporting requirements, include them into a separate document and attach it to the present documentation*

IV. OTHER

4.1. Additional sources of process documentation

If there is additional material created to support the process automation please mention it here, along with the supported documentation provided.

Additional Process Documentation		
Video Recording of the process (Optional)	Acme-System1-Process-WI5-Manual-Walkthrough	Insert any relevant comments
Business Rules Library (Optional)	Insert link to Business rules library	Insert any relevant comments
Other documentation (Optional)	Insert link to any other relevant process documentation (L4, L5 process description, fields mapping files etc.)	Insert any relevant comments
Standard Operating Procedure(s) (Optional)		Insert any relevant comments
High Level Process Map (Optional)		Insert any relevant comments
Detailed level process map (Optional)		Insert any relevant comments
Work Instructions (Optional)		Insert any relevant comments
Input Files (Optional)		Insert any relevant comments
Output Files (Optional)		Insert any relevant comments

**Add more rows to the table to reflect the complete documentation provided to support the RPA process.*