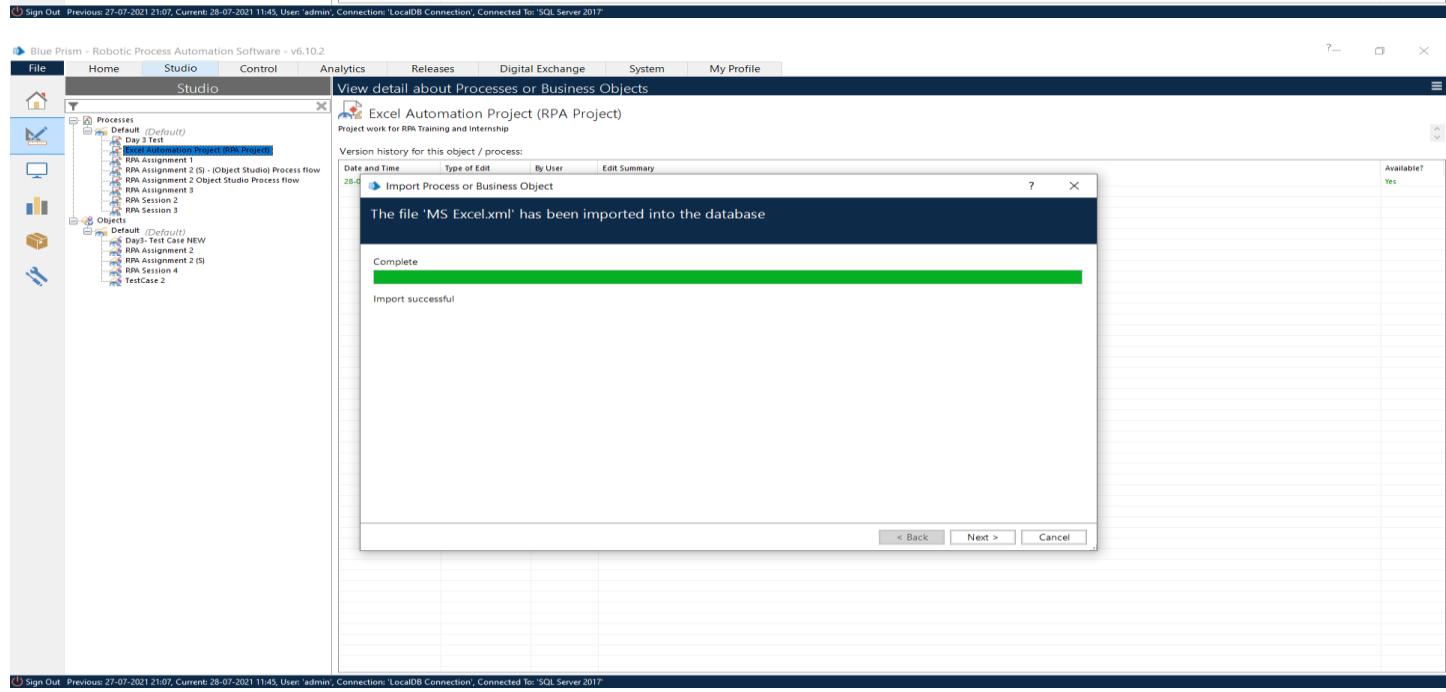
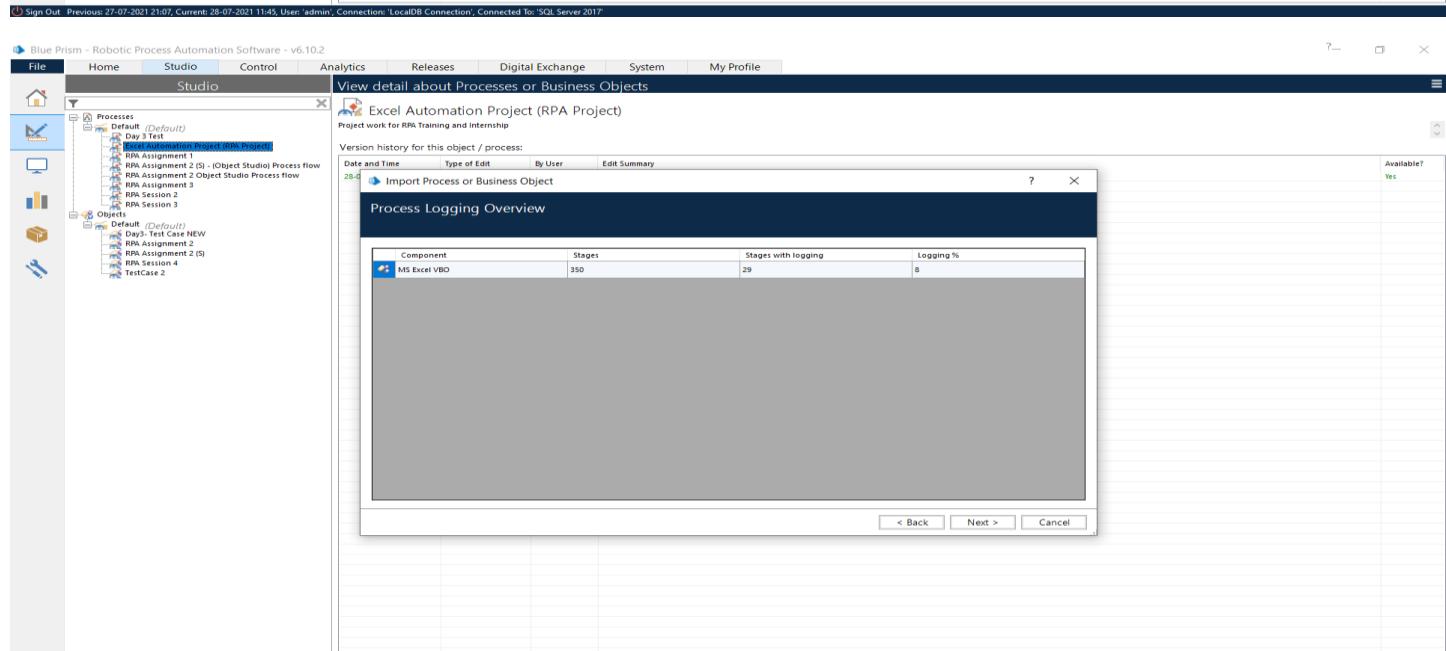
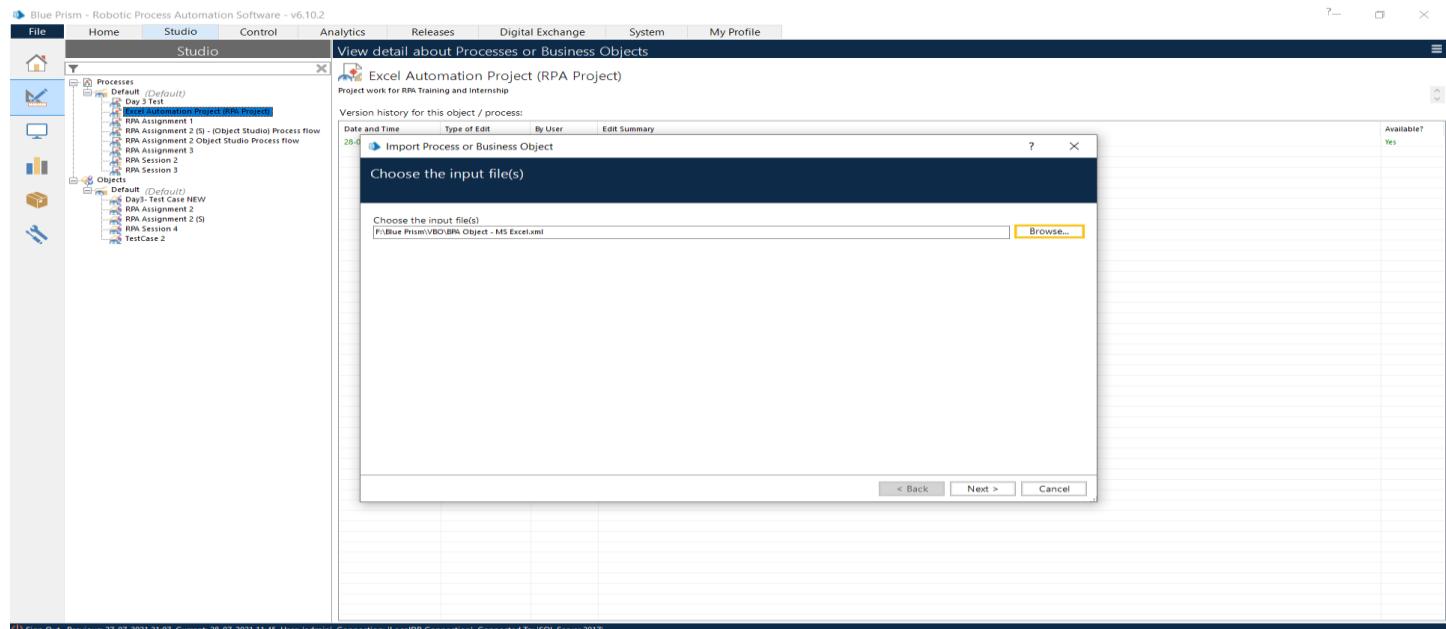


SCREENSHOTS :

(DONE BY : SPANDAN BORGOHAIN)

Importing MS Excel VBO in Blue Prism -



Blue Prism - Robotic Process Automation Software - v6.10.2

File Home Studio Control Analytics Releases Digital Exchange System My Profile

View detail about Processes or Business Objects

Excel Automation Project (RPA Project)

Project work for RPA Training and Internship

Version history for this object / process:

Date and Time	Type of Edit	By User	Edit Summary
28.07.2021 11:45:00	Import Process or Business Object		

Import Report

Process / Object Name	Imported	Issue	Resolution	Additional information
MS Excel VBO	✓			

Export

< Back Finish Cancel

Sign Out Previous: 27-07-2021 21:07, Current: 28-07-2021 11:45, User: 'admin', Connection: 'LocalDB Connection', Connected To: 'SQL Server 2017'

Blue Prism - Robotic Process Automation Software - v6.10.2

File Home Studio Control Analytics Releases Digital Exchange System My Profile

View detail about Processes or Business Objects

MS Excel VBO

The VBO replacement for the Common Automation Excel business object

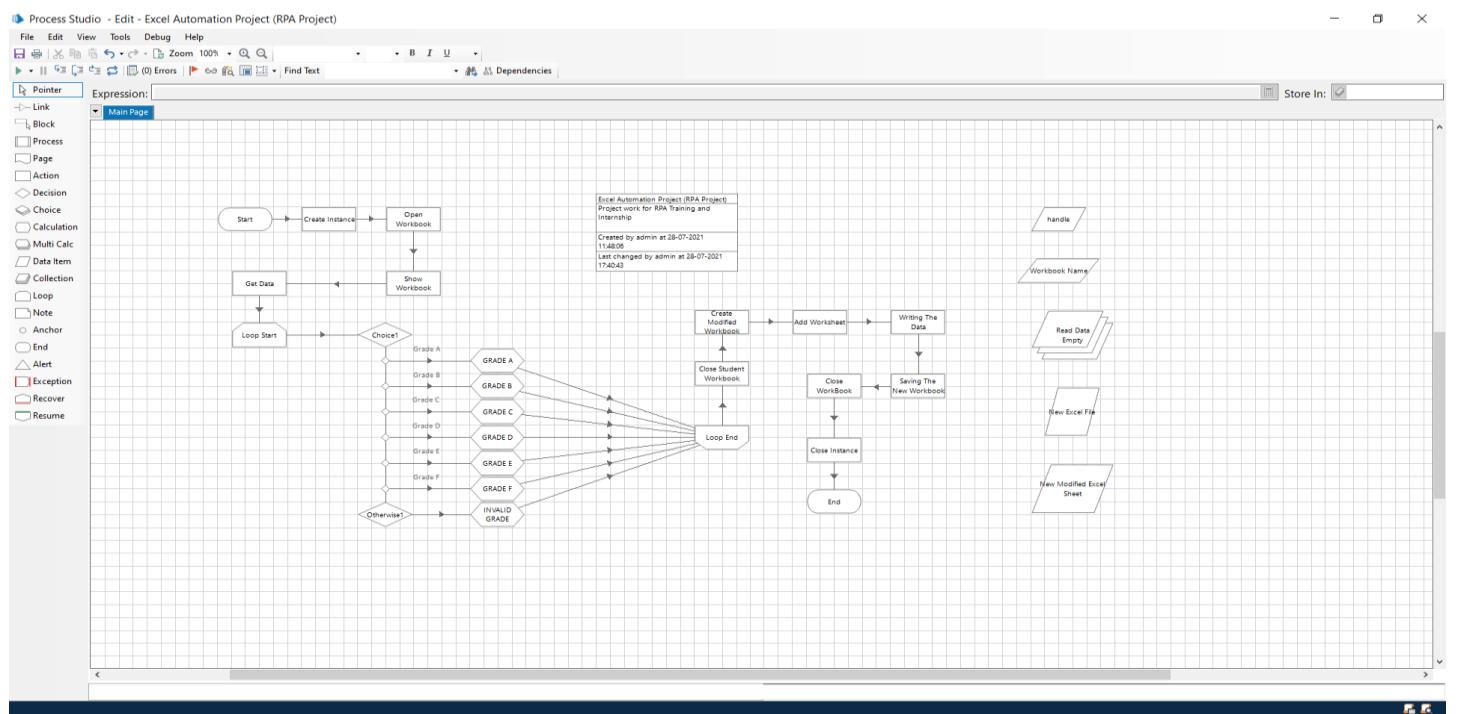
Version history for this object / process:

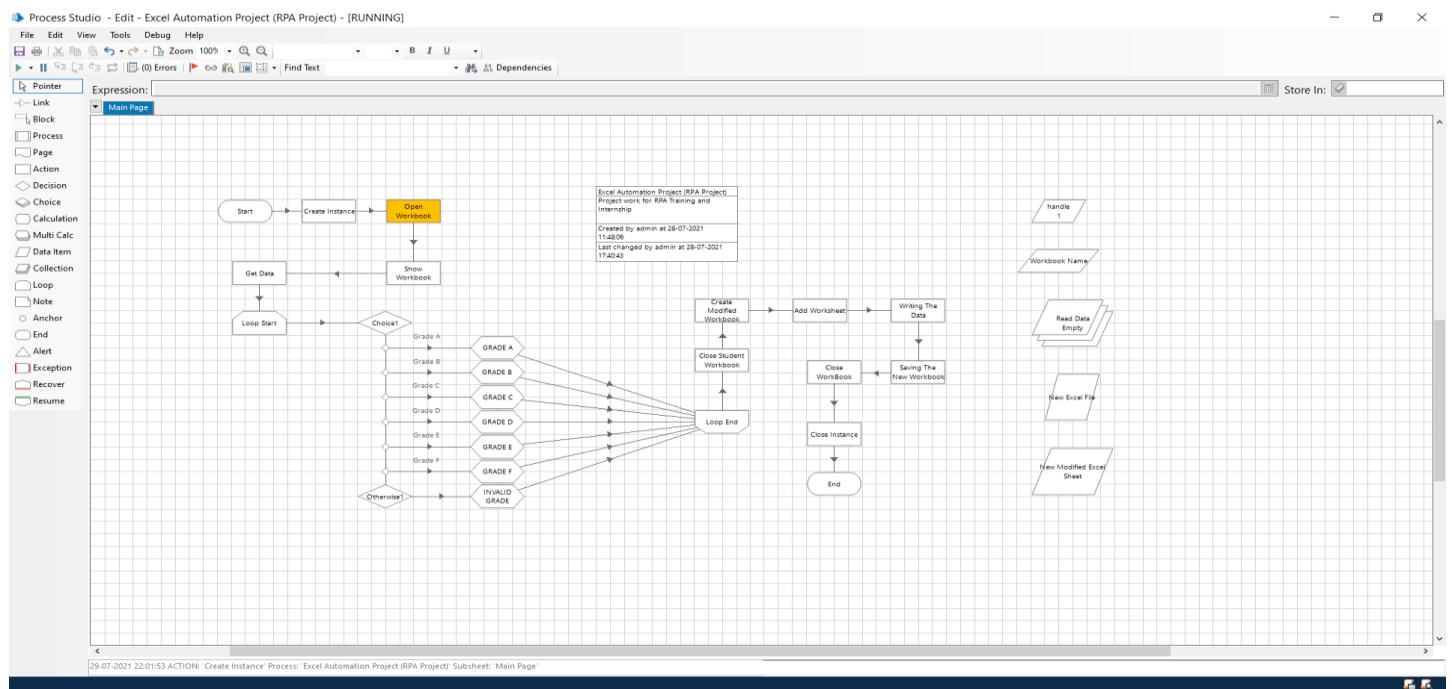
Date and Time	Type of Edit	By User	Edit Summary
28-07-2021 11:53:02	Creation (via import)	admin	business object created by importing a release

Available? Yes

Sign Out Previous: 27-07-2021 21:07, Current: 28-07-2021 11:45, User: 'admin', Connection: 'LocalDB Connection', Connected To: 'SQL Server 2017'

Excel Automation Process Flow and Process Studio Screenshots -

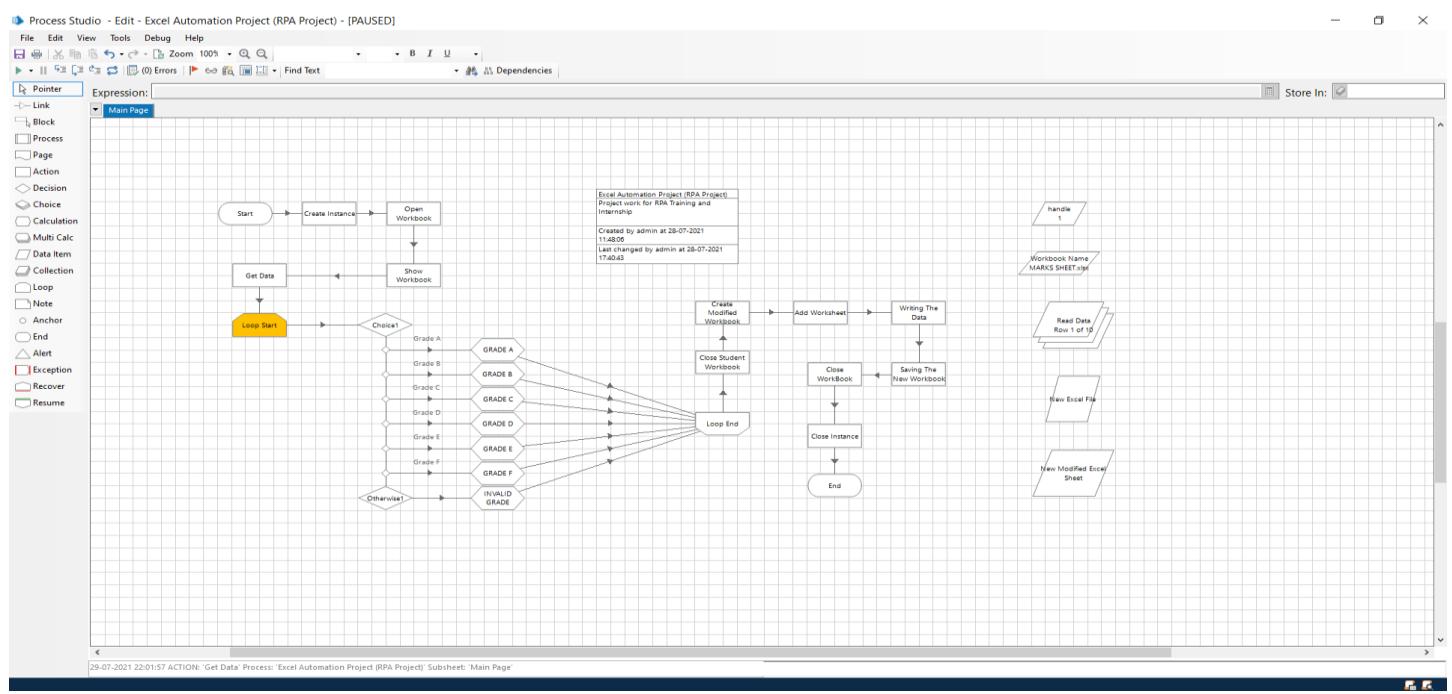




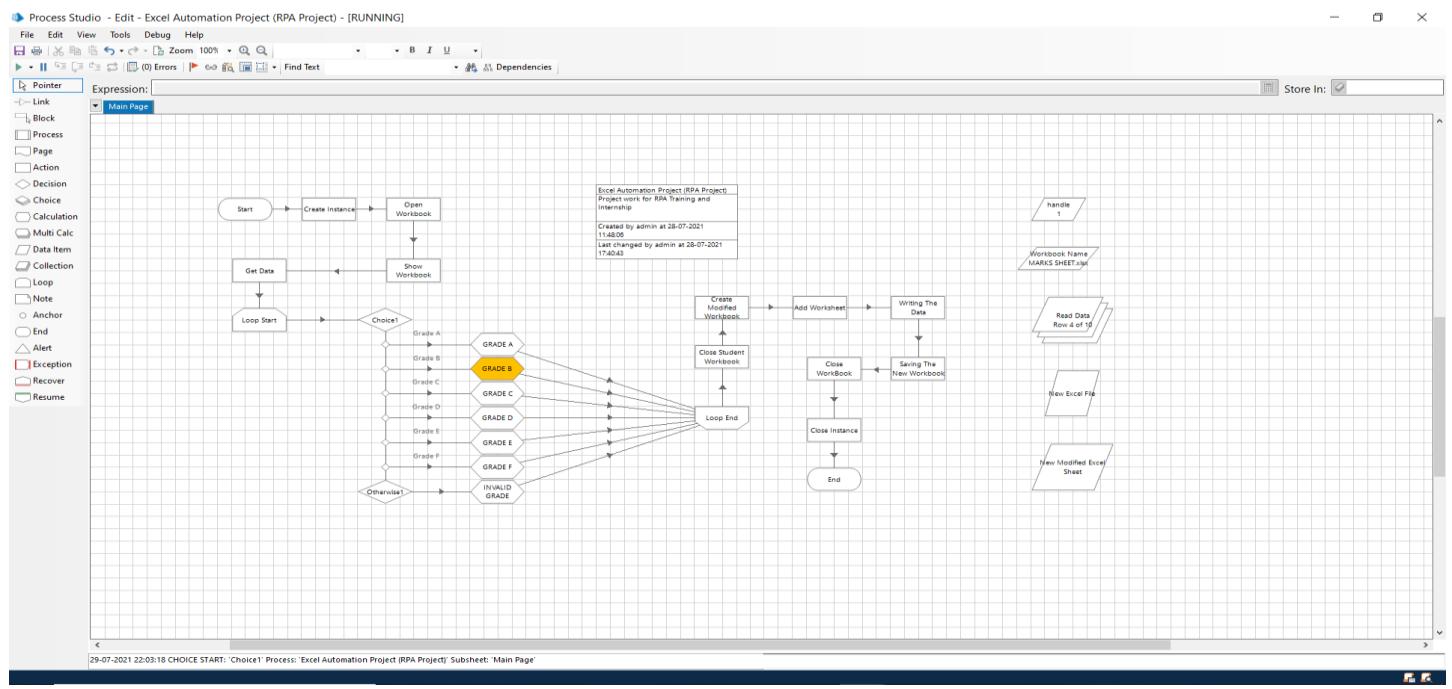
29-07-2021 22:01:53 ACTION: 'Create Instance' Process: 'Excel Automation Project (RPA Project)' Subsheet: 'Main Page'

Process Studio - Edit - Excel Automation Project (RPA Project) - [PAUSED]

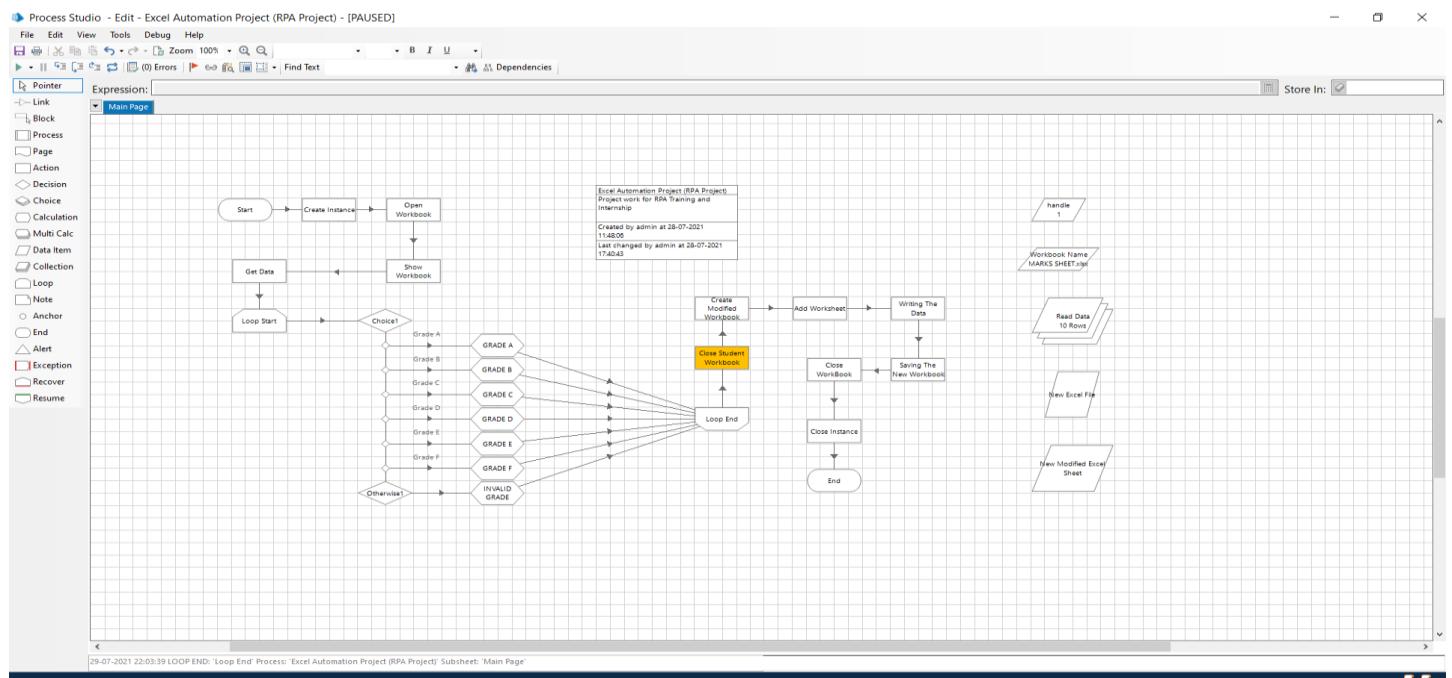
29-07-2021 22:01:57 ACTION: 'Get Data' Process: 'Excel Automation Project (RPA Project)' Subsheet: 'Main Page'



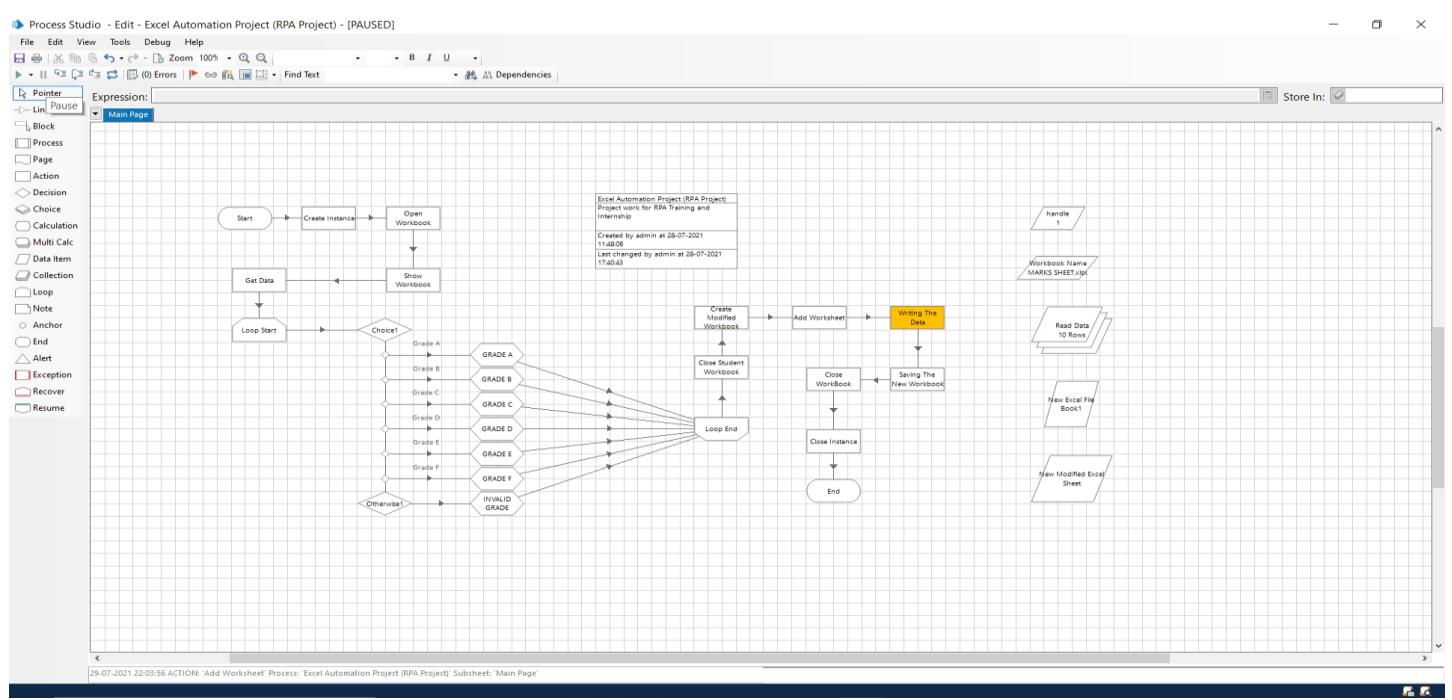
29-07-2021 22:01:57 ACTION: 'Get Data' Process: 'Excel Automation Project (RPA Project)' Subsheet: 'Main Page'



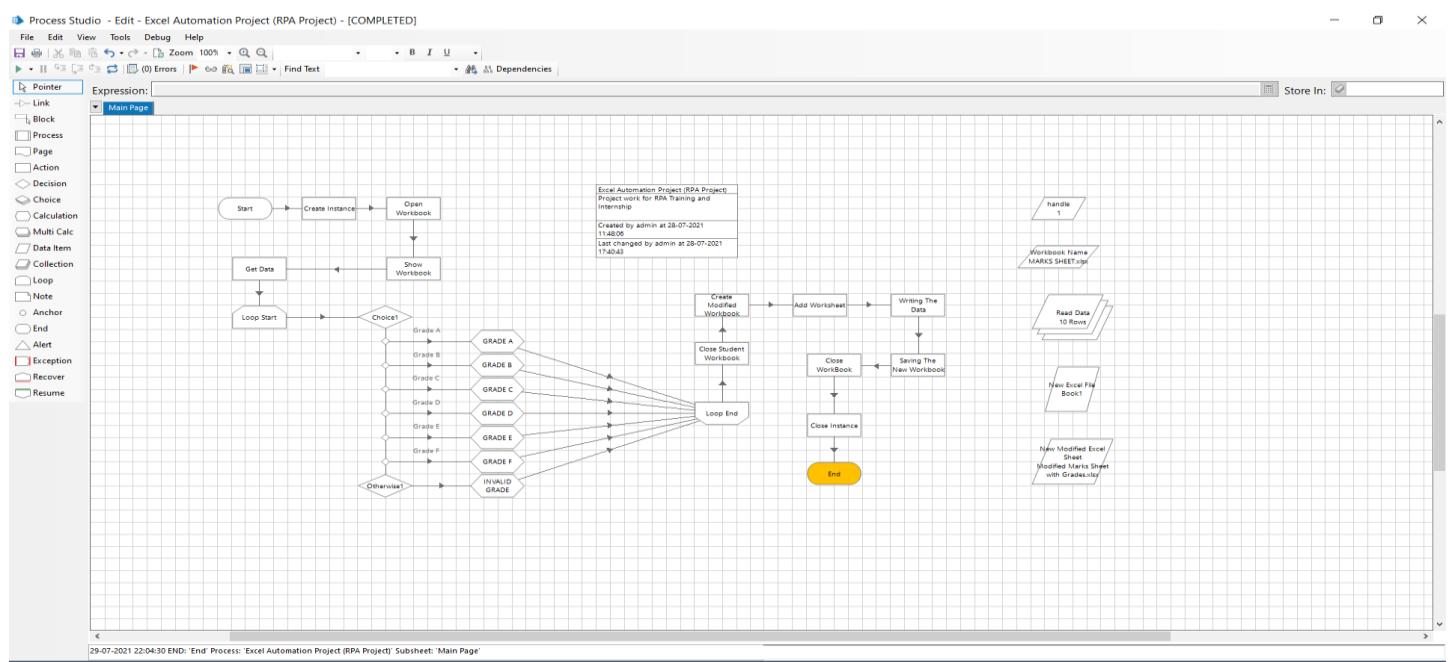
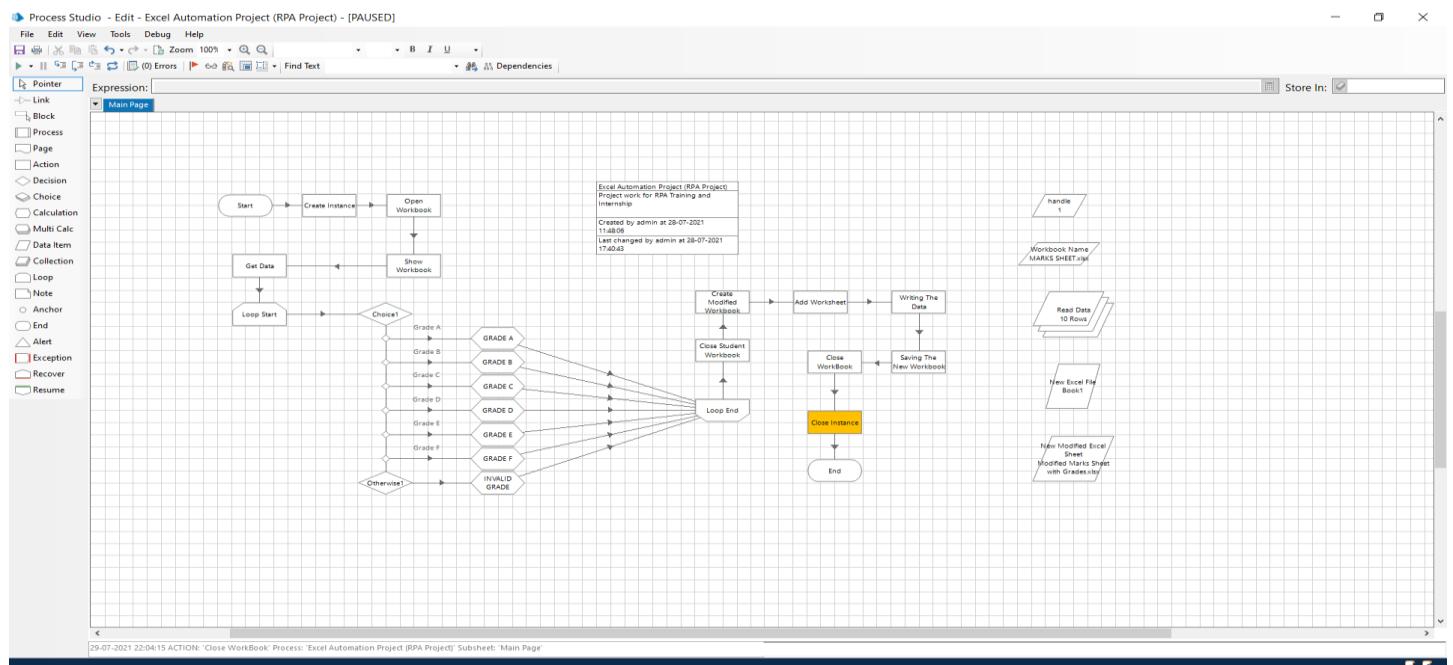
29-07-2021 22:03:18 CHOICE START: 'Choice1' Process: 'Excel Automation Project (RPA Project)' Subsheet: 'Main Page'



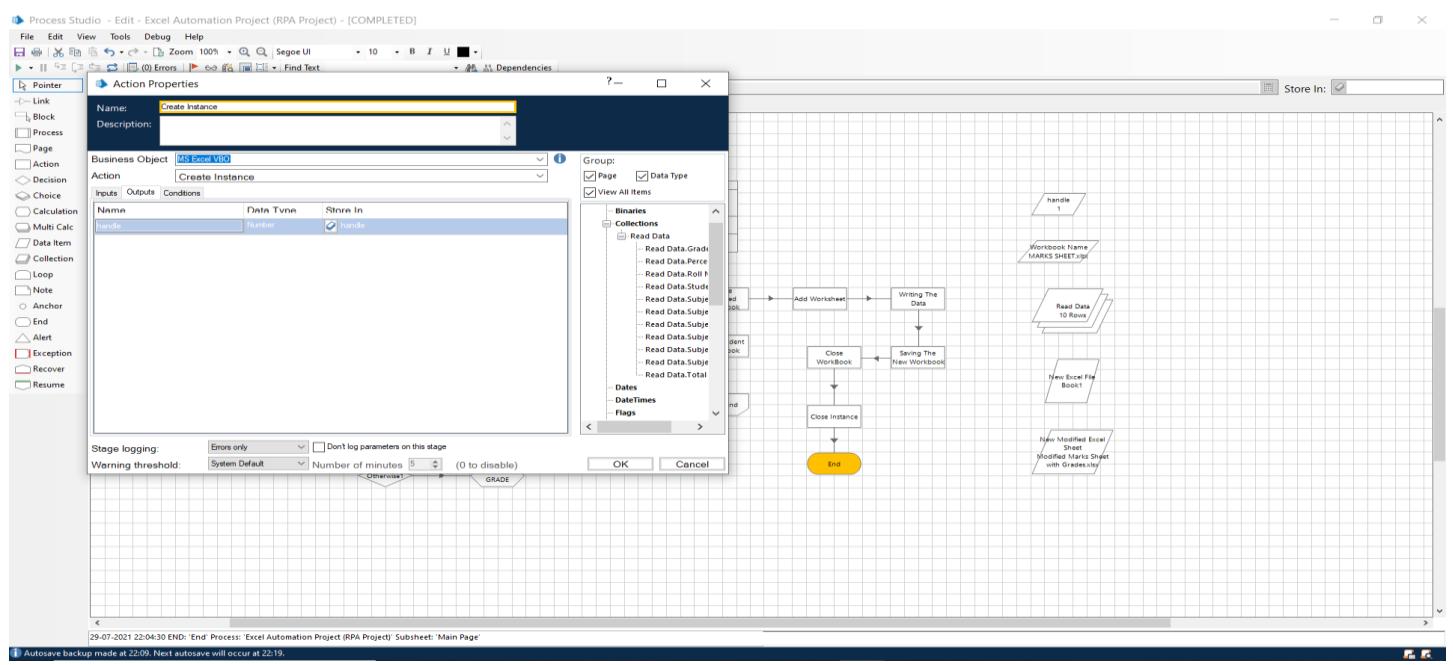
29-07-2021 22:03:39 LOOP END: 'Loop End' Process: 'Excel Automation Project (RPA Project)' Subsheet: 'Main Page'

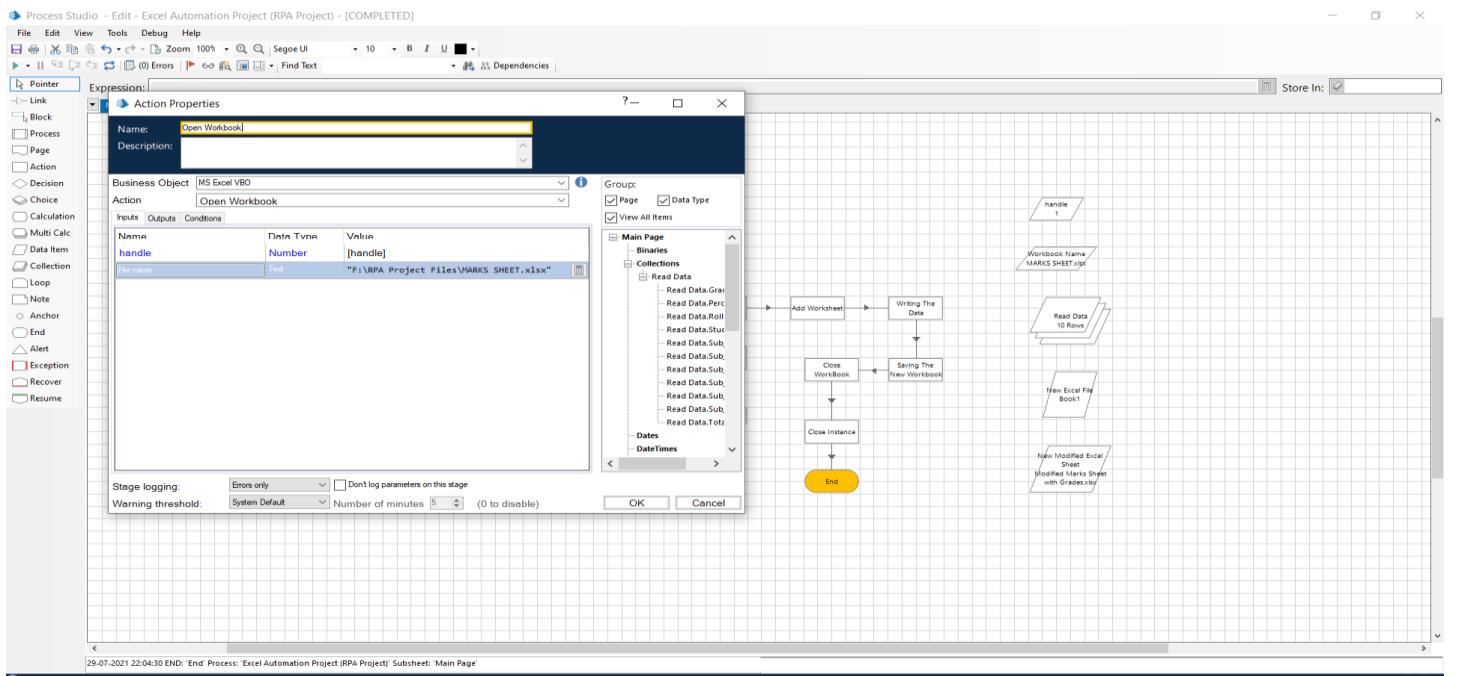


29-07-2021 22:03:56 ACTION: 'Add Worksheet' Process: 'Excel Automation Project (RPA Project)' Subsheet: 'Main Page'

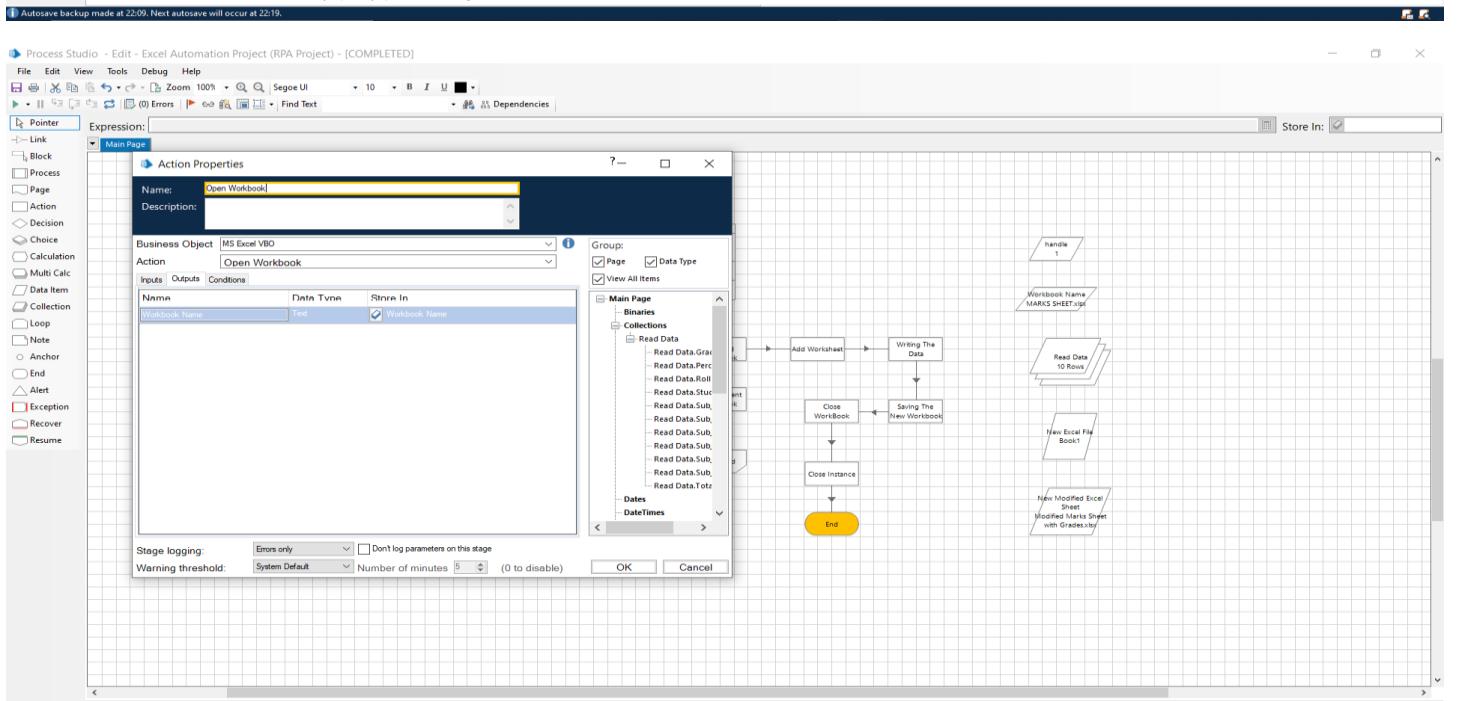


SOME SCREENSHOTS OF THE VARIOUS PROPERTIES SET AND THE CONDITIONS GIVEN -

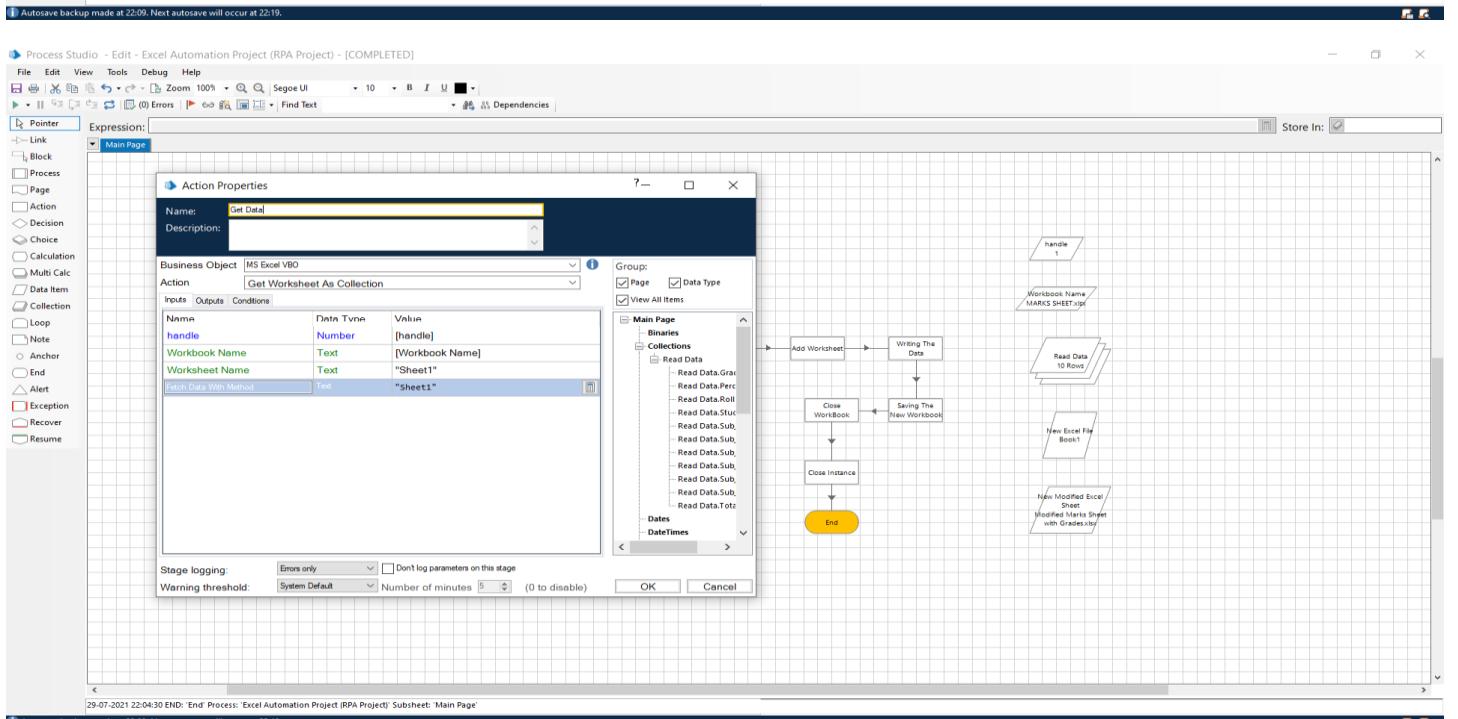




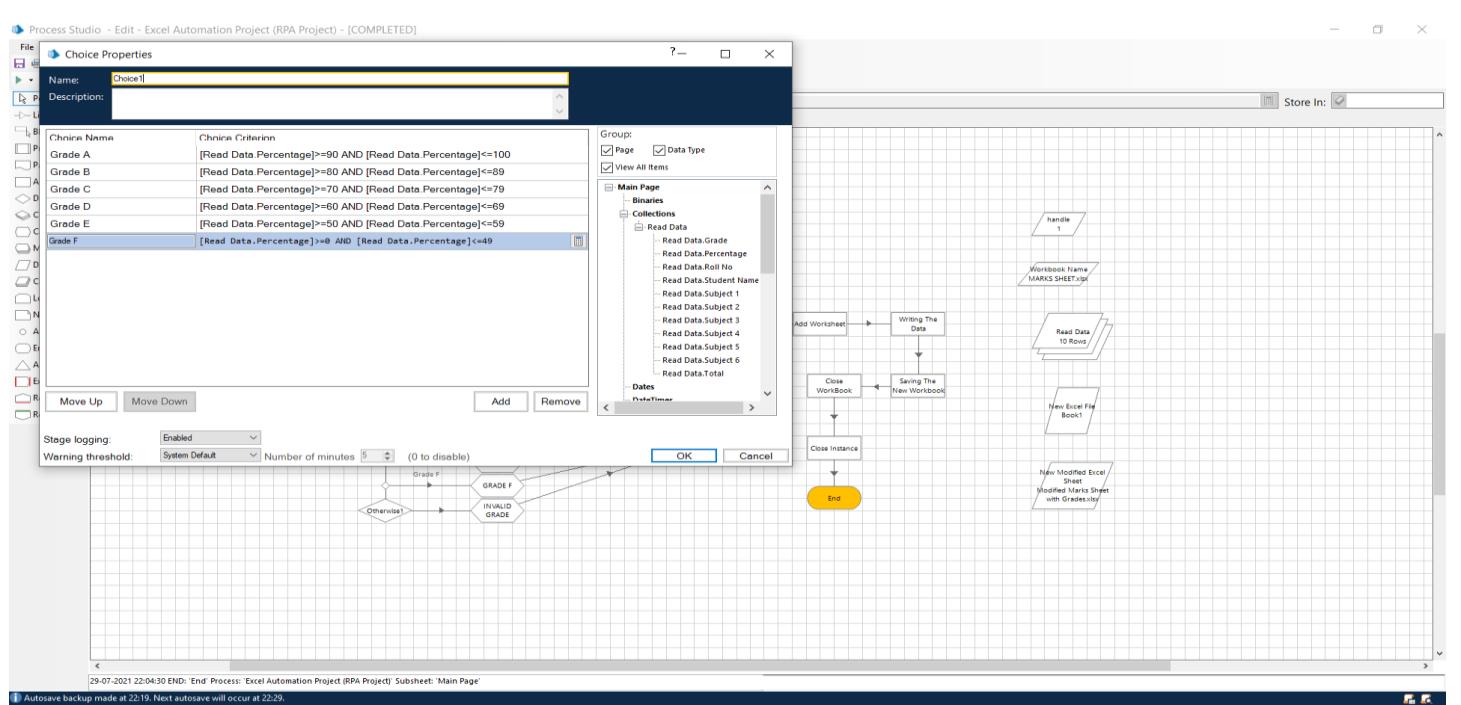
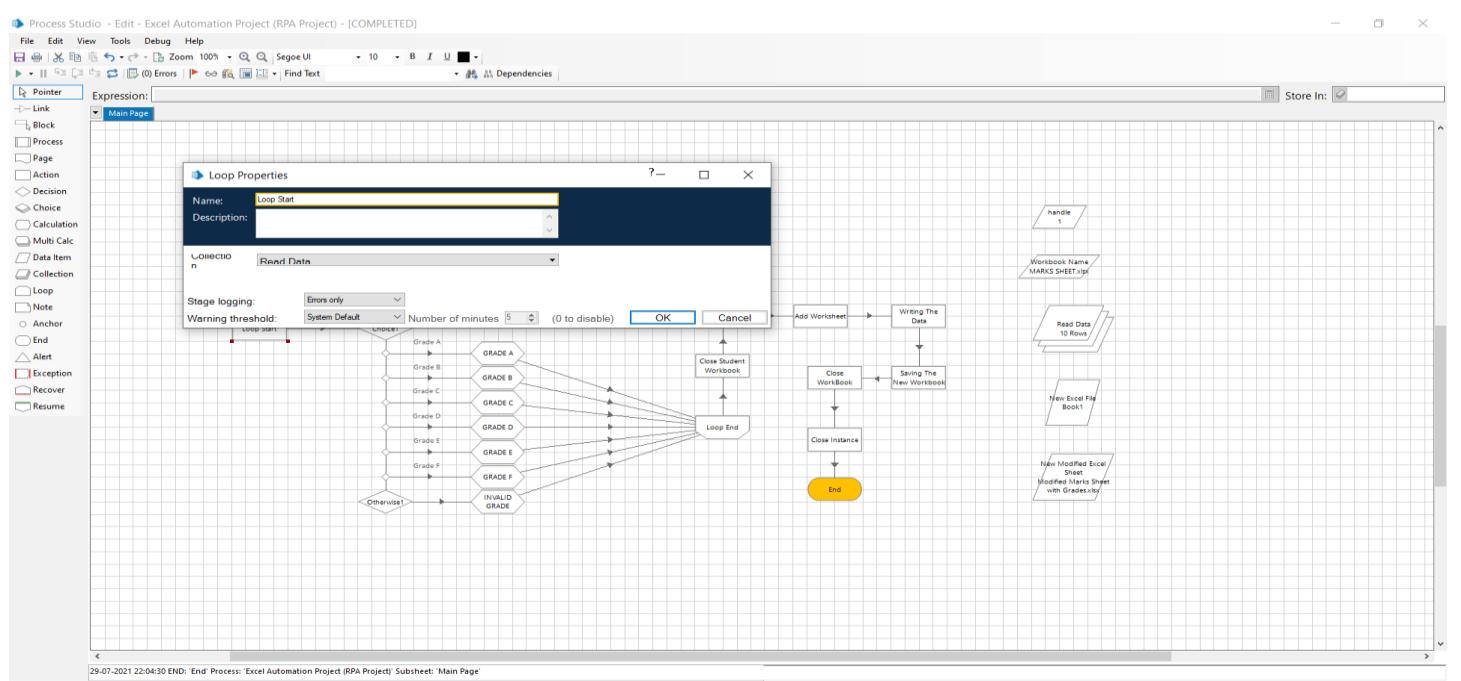
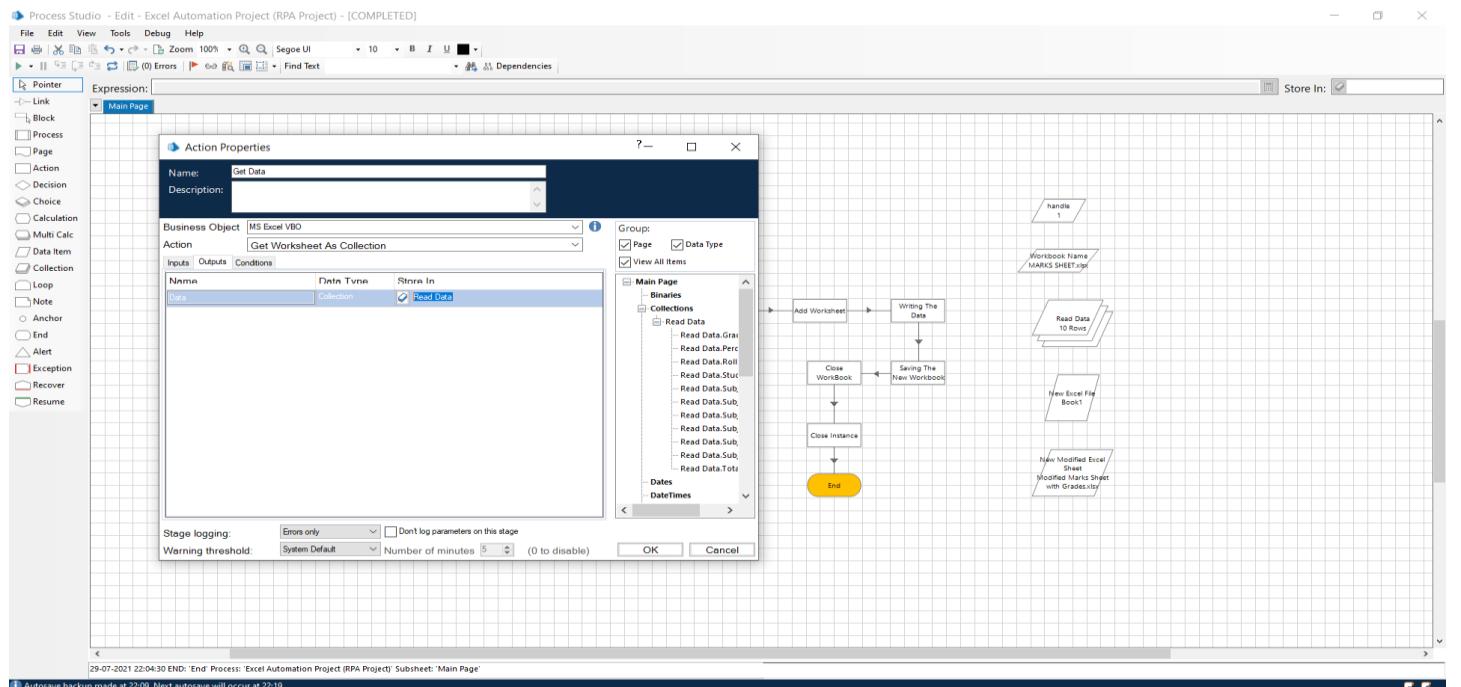
29-07-2021 22:04:30 END: End Process: Excel Automation Project (RPA Project) Subsheet: Main Page



29-07-2021 22:04:30 END: End Process: Excel Automation Project (RPA Project) Subsheet: Main Page



29-07-2021 22:04:30 END: End Process: Excel Automation Project (RPA Project) Subsheet: Main Page



Process Studio - Edit - Excel Automation Project (RPA Project) - [COMPLETED]

Calculation Properties

Name: GRADE A
Description:

Expression: "Grade A"

Function Detail
Expression Function Builder
Use this area to compose a function statement and paste it into the expression.

Select a function from the list on the left. The function details and the required parameters will be shown here. Complete the details either by entering values or by dragging in data.

Data Items
Group: Page Data Type
 View All Items

Main Page
Binaries
Collections
Read Data
Read Data.Grade
Read Data.Percentage
Read Data.Roll No
Read Data.Student Name
Read Data.Subject 1
Read Data.Subject 2
Read Data.Subject 3
Read Data.Subject 4
Read Data.Subject 5
Read Data.Subject 6
Read Data.Total

OK Cancel

Store In: Read Data.Grade

Validate Evaluate Expr STORE RESULT In: Read Data.Grade

Functions:
Conversion
Data
Date
Environment
Exceptions
File
Logic
Number
Text

Stage logging: Errors only Warning threshold: System Default Number of minutes 5 (0 to disable)

29-07-2021 22:04:30 END: End Process: Excel Automation Project (RPA Project) Subsheet: Main Page

Autosave backup made at 22:19. Next autosave will occur at 22:29.

Process Studio - Edit - Excel Automation Project (RPA Project) - [COMPLETED]

Calculation Properties

Name: GRADE C
Description:

Expression: "Grade C"

Function Detail
Expression Function Builder
Use this area to compose a function statement and paste it into the expression.

Select a function from the list on the left. The function details and the required parameters will be shown here. Complete the details either by entering values or by dragging in data.

Data Items
Group: Page Data Type
 View All Items

Main Page
Binaries
Collections
Read Data
Read Data.Grade
Read Data.Percentage
Read Data.Roll No
Read Data.Student Name
Read Data.Subject 1
Read Data.Subject 2
Read Data.Subject 3
Read Data.Subject 4
Read Data.Subject 5
Read Data.Subject 6
Read Data.Total

OK Cancel

Store In: Read Data.Grade

Validate Evaluate Expr STORE RESULT In: Read Data.Grade

Functions:
Conversion
Data
Date
Environment
Exceptions
File
Logic
Number
Text

Stage logging: Errors only Warning threshold: System Default Number of minutes 5 (0 to disable)

29-07-2021 22:04:30 END: End Process: Excel Automation Project (RPA Project) Subsheet: Main Page

Autosave backup made at 22:19. Next autosave will occur at 22:29.

Process Studio - Edit - Excel Automation Project (RPA Project) - [COMPLETED]

Calculation Properties

Name: INVALID.GRADE
Description:

Expression: "Grade Invalid"

Function Detail
Expression Function Builder
Use this area to compose a function statement and paste it into the expression.

Select a function from the list on the left. The function details and the required parameters will be shown here. Complete the details either by entering values or by dragging in data.

Data Items
Group: Page Data Type
 View All Items

Main Page
Binaries
Collections
Read Data
Read Data.Grade
Read Data.Percentage
Read Data.Roll No
Read Data.Student Name
Read Data.Subject 1
Read Data.Subject 2
Read Data.Subject 3
Read Data.Subject 4
Read Data.Subject 5
Read Data.Subject 6
Read Data.Total

OK Cancel

Store In: Read Data.Grade

Validate Evaluate Expr STORE RESULT In: Read Data.Grade

Functions:
Conversion
Data
Date
Environment
Exceptions
File
Logic
Number
Text

Stage logging: Errors only Warning threshold: System Default Number of minutes 5 (0 to disable)

29-07-2021 22:04:30 END: End Process: Excel Automation Project (RPA Project) Subsheet: Main Page

Autosave backup made at 22:19. Next autosave will occur at 22:29.

Process Studio - Edit - Excel Automation Project (RPA Project) - [COMPLETED]

Action Properties

Name: Close Student Workbook

Description:

Business Object: MS Excel VBO

Action: Close Workbook

Inputs Outputs Conditions

Name	Data Type	Value
handle	Number	[handle]
Workbook Name	Text	[Workbook Name]
Save Data	Flag	False

Stage logging: Errors only Don't log parameters on this stage

Warning threshold: System Default Number of minutes 5 (0 to disable)

OK Cancel

Handle 1

Workbook Name: MARCS SHEET.xls

Add Worksheet → Writing The Data

Close Workbook ← Saving The New Workbook

Close Instance

End

New Excel File Book1

New Modified Excel Sheet Modified Marks Sheet with Grades.xls

29-07-2021 22:04:30 END: End Process: Excel Automation Project (RPA Project) Subsheet: Main Page*

Process Studio - Edit - Excel Automation Project (RPA Project) - [COMPLETED]

Action Properties

Name: Create Modified Workbook

Description:

Business Object: MS Excel VBO

Action: Create Workbook

Inputs Outputs Conditions

Name	Data Type	Value
handle	Number	[handle]

Expression: [handle]

Stage logging: Errors only Don't log parameters on this stage

Warning threshold: System Default Number of minutes 5 (0 to disable)

OK Cancel

Handle 1

Workbook Name: MARCS SHEET.xls

Create Modified Workbook → Add Worksheet → Writing The Data

Otherwise1 → GRADE F → INVALID GRADE

Close Student Workbook

Close Workbook ← Saving The New Workbook

Close Instance

End

New Excel File Book1

New Modified Excel Sheet Modified Marks Sheet with Grades.xls

29-07-2021 22:04:30 END: End Process: Excel Automation Project (RPA Project) Subsheet: Main Page*

Process Studio - Edit - Excel Automation Project (RPA Project) - [COMPLETED]

Action Properties

Name: Create Modified Workbook

Description:

Business Object: MS Excel VBO

Action: Create Workbook

Inputs Outputs Conditions

Name	Data Type	Value
Workbook Name	Text	<input checked="" type="checkbox"/> New Excel File

Stage logging: Errors only Don't log parameters on this stage

Warning threshold: System Default Number of minutes 5 (0 to disable)

OK Cancel

Handle 1

Workbook Name: MARCS SHEET.xls

Create Modified Workbook → Add Worksheet → Writing The Data

Otherwise1 → GRADE F → INVALID GRADE

Close Student Workbook

Close Workbook ← Saving The New Workbook

Close Instance

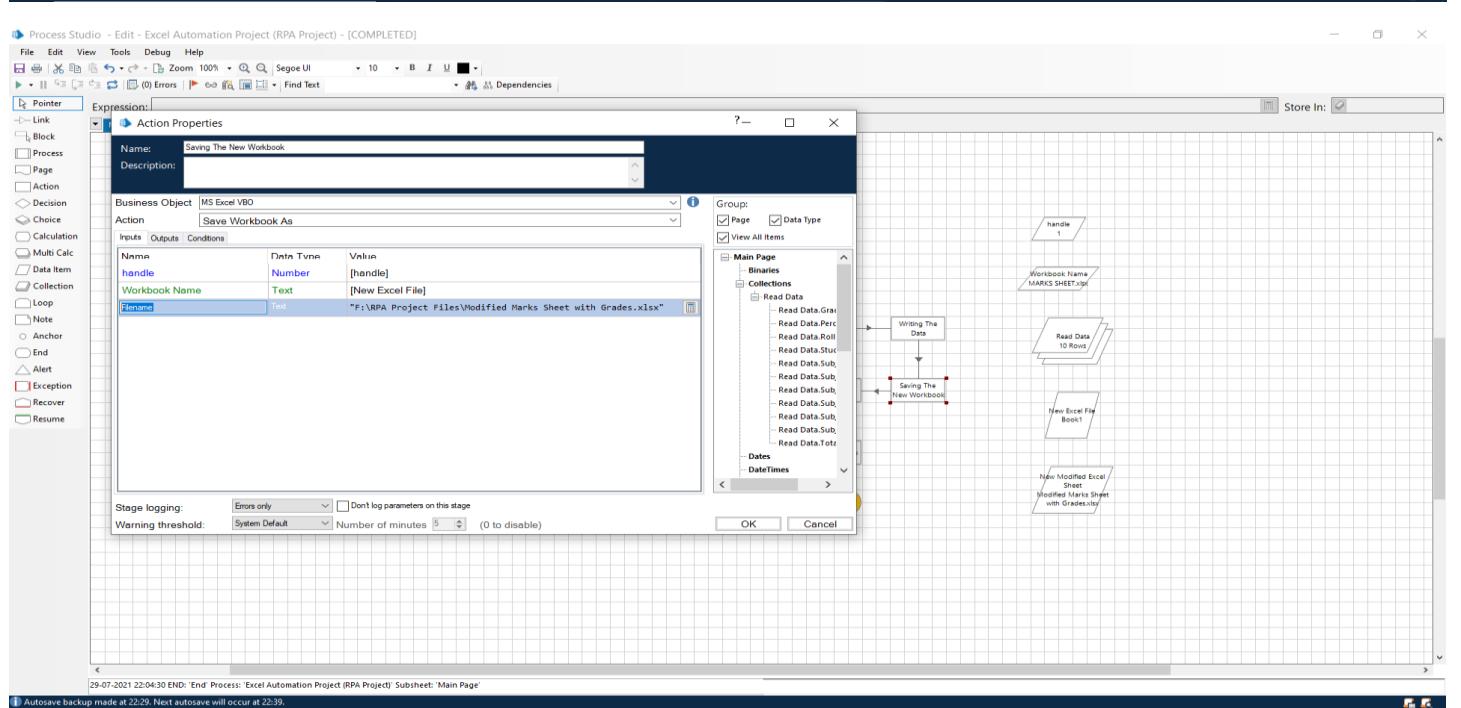
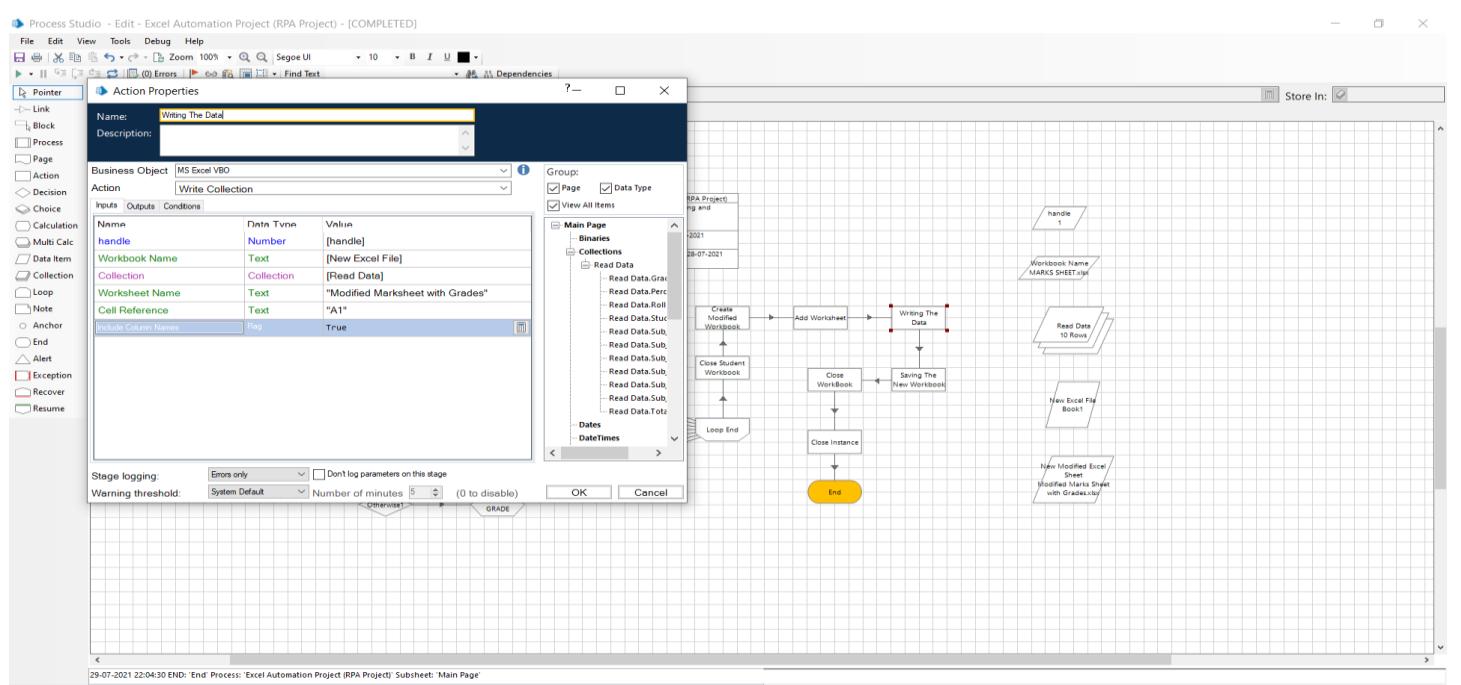
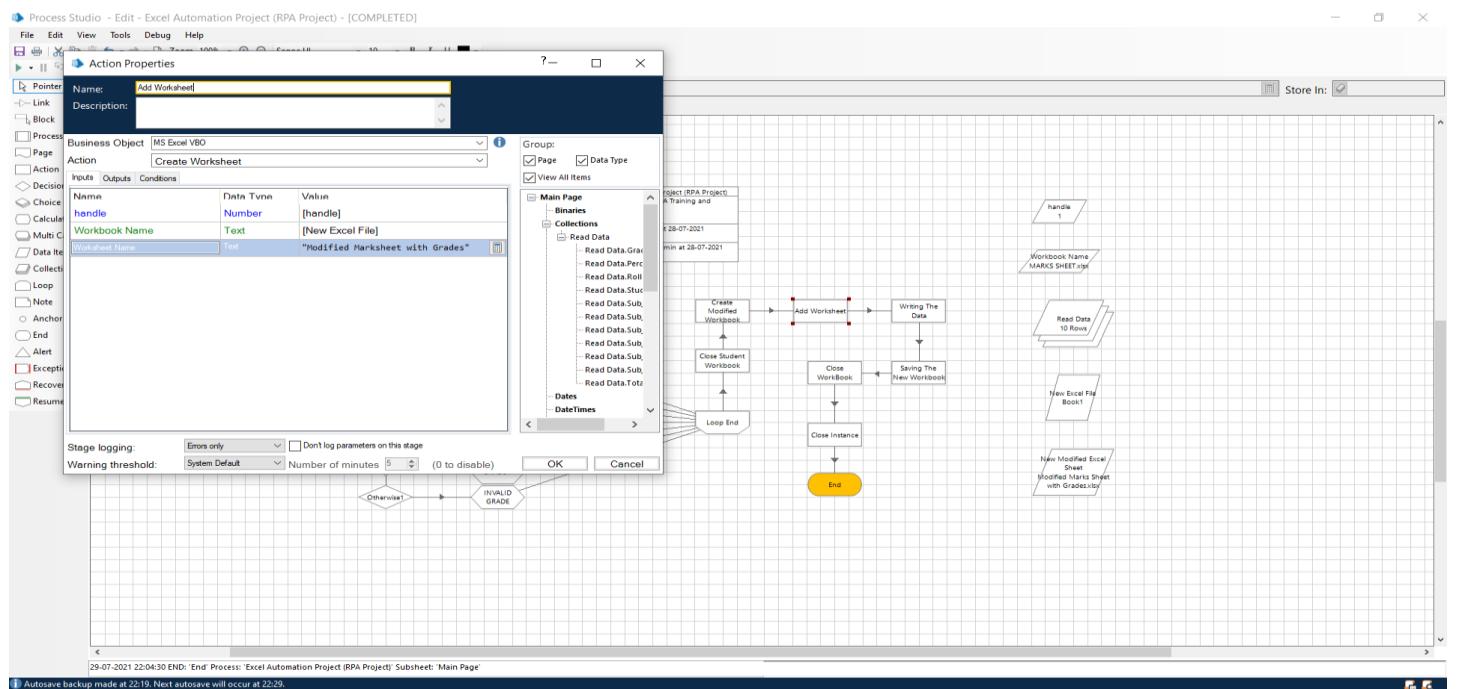
End

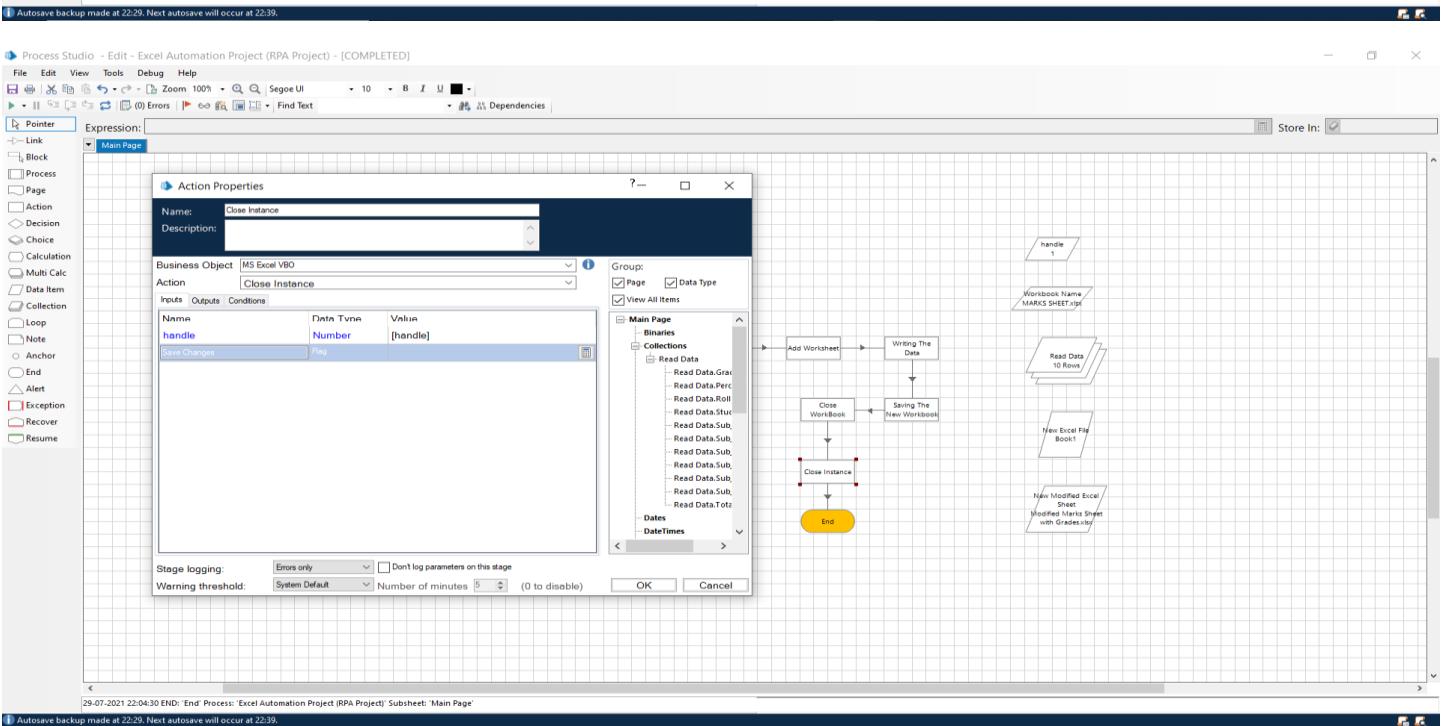
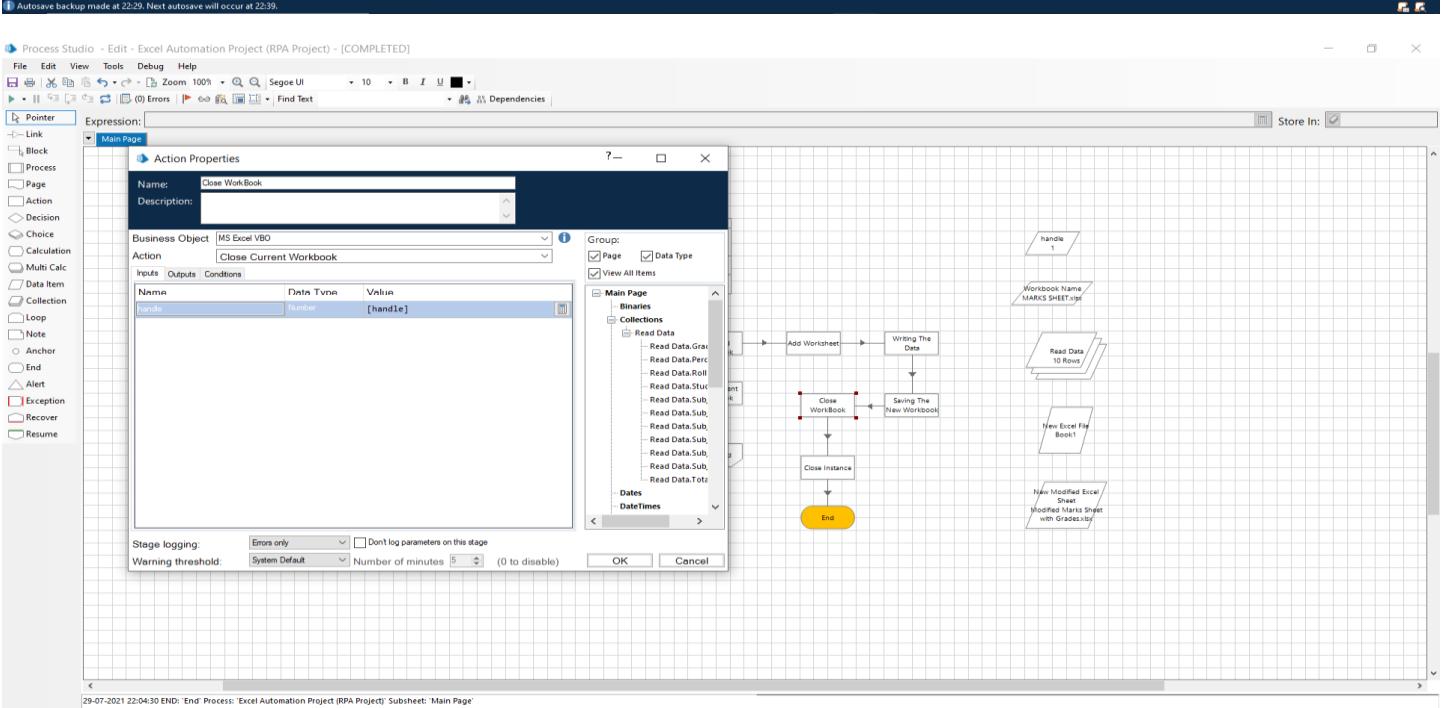
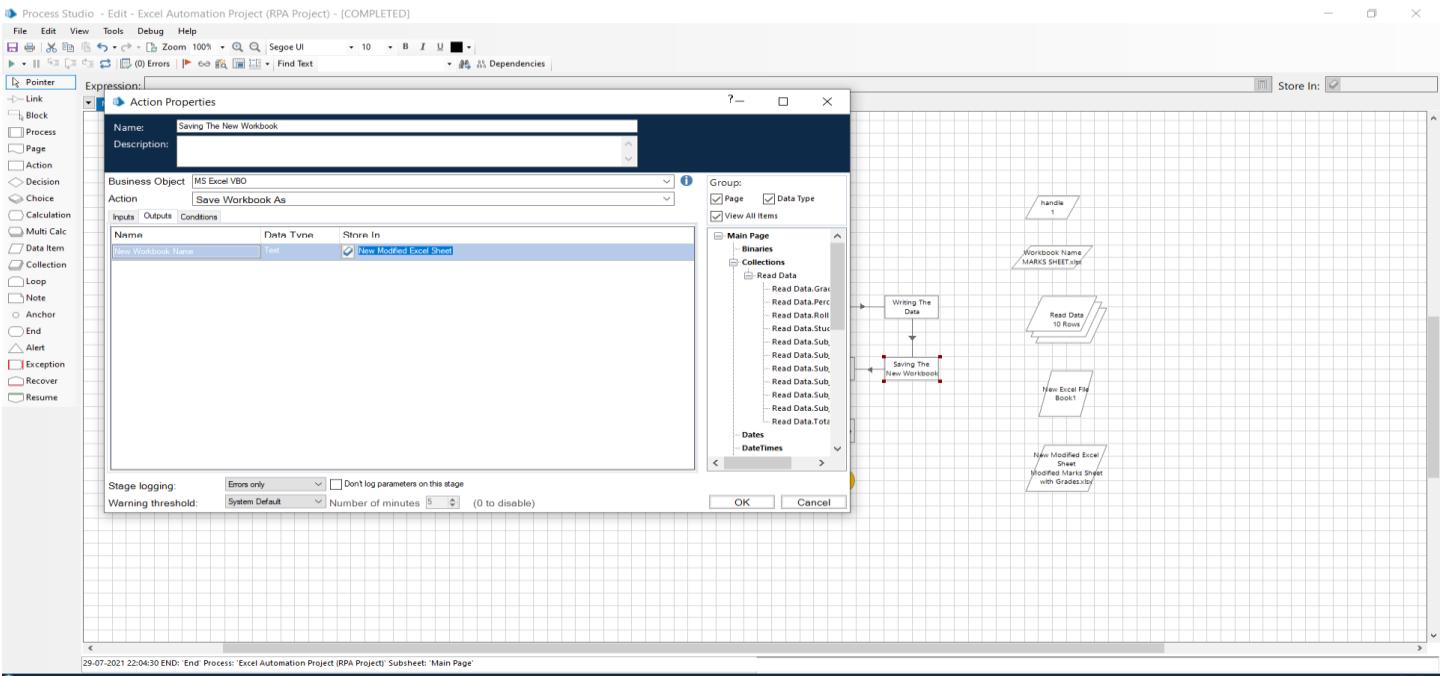
New Excel File Book1

New Modified Excel Sheet Modified Marks Sheet with Grades.xls

29-07-2021 22:04:30 END: End Process: Excel Automation Project (RPA Project) Subsheet: Main Page*

Autosave backup made at 22:19. Next autosave will occur at 22:29.





SOME MORE SCREENSHOTS OF THE EXCEL AUTOMATION PROJECT –

Process Studio - Edit - Excel Automation Project (RPA Project) - [COMPLETED]

Collection Properties

Name: Read Data

Description:

Fields

	Name	Type	Description
P	Student Name	Text	
P	Roll No	Number	
D	Subject 1	Number	
C	Subject 2	Number	
C	Subject 3	Number	
M	Subject 4	Number	
D	Subject 5	Number	
C	Subject 6	Number	
N	Total	Number	
A	Percentage	Number	
E	Grade	Text	

Initial Values

Current Values

Fields:

Add Import Remove Clear

Reset to Initial Value whenever this page runs Hide from other pages in the process Single Row

OK Cancel

Process Flow Diagram:

```
graph TD; Start(( )) --> Decision{Grade F}; Decision -- Otherwise --> InvalidGrade{INVALID GRADE}; Decision -- True --> CreateWB[Create Modified Workbook]; CreateWB --> AddSheet[Add Worksheet]; AddSheet --> WriteData[Writing The Data]; WriteData --> CloseStudentWB[Close Student Workbook]; CloseStudentWB --> LoopEnd((Loop End)); LoopEnd --> CloseWB[Close Workbook]; CloseWB --> SaveWB[Saving The New Workbook]; SaveWB --> CloseInstance[Close Instance]; CloseInstance --> End((End))
```

Annotations:

- handle 1
- Worksheet Name MARKS SHEET
- New Excel File Book1
- New Modified Excel Sheet Modified Marks Sheet with GradeInfo

The screenshot shows the 'Collection Properties' dialog box in Process Studio. The 'Name' field is set to 'Read Data'. The 'Fields' section lists the following columns: Student Name (Text), Roll No (Number), Subject 1 (Number), Subject 2 (Number), Subject 3 (Number), Subject 4 (Number), Subject 5 (Number), Subject 6 (Number), Total (Number), Percentage (Number), and Grade (Text). Below this is a table with 10 rows of student data. At the bottom of the dialog are checkboxes for 'Reset to Initial Value whenever this page runs', 'Hide from other pages in the process', and 'Single Row'. There are also 'Add' and 'Remove' buttons. The 'OK' and 'Cancel' buttons are at the bottom right. The background shows a process flow diagram with various nodes and connections.

Fields	Initial Values	Current Values								
Student Name (Text)	Roll No (Number)	Subject 1 (Number)	Subject 2 (Number)	Subject 3 (Number)	Subject 4 (Number)	Subject 5 (Number)	Subject 6 (Number)	Total (Number)	Percentage (Number)	Grade (Text)
Rahul	1001	89	87	87	87	87	87	524	87.33	Grade B
Rajiv	1002	65	79	68	64	69	67	412	68.66	Grade D
John	1003	78	75	72	75	69	70	439	73.1	Grade C
Riya	1004	89	87	85	90	89	91	531	88.5	Grade B
Maya	1005	80	82	79	75	72	79	467	77.83	Grade C
Ricky	1006	91	93	95	97	96	98	570	95	Grade A
Abhishek	1007	83	87	89	90	88	86	523	87.16	Grade B
Harsh	1008	56	57	59	58	60	62	352	58.66	Grade E
Matthew	1009	88	90	95	90	92	94	549	91.5	Grade A
Marcus	1010	70	71	74	78	79	75	447	74.5	Grade C