1. Create Queue and Assets on Orchestrator
2. Edit Config File: Add Credentials & Assets.
3. Initialize State:
   1. KillAllProcesses
   2. InitiAllApplications
   3. InitAllSettings:
      1. Kill Excel
      2. Kill Browser
   4. Create "Process-Start-Mail" Workflow:

* The "Process-Start-Mail" entails retrieving credentials from Orchestrator, and sending an SMTP Mail Message with recipient details, subject, and body.
* Upon successful transmission, a log message confirming "Process Start Mail Sent Successfully".
* If the Credential is wrong process throw an exception and Halt the process.
* **Dispatcher**
  1. Create a "Dispatcher"
* Open nseindia.com and get Top-5 Gainers/Looser
* Store those data in DataTable.
* Create a Dispatcher Workflow and send those data into Queue.
* Send one log message for acknowledgment that data has been successfully added to Queue.
* **Performer**

1. Get Transaction Data State:
   1. In the "GetTransactionData" stage, data sent by the dispatchers into the queue is retrieved one at a time for further processing.
2. Process State:
   1. Open the browser and navigate to the URL:

If the Ui Element is not found, the process throws an exception and Halts the process. Else Extract the below information of stocks.

* + 1. Previous Close
    2. Open
    3. High/Low
    4. Close Price
    5. VWAP
    6. Adjusted Price
  1. Create a workflow that performs Calculations:
     1. Price Change = LTP - Previous Close
     2. PriceRange = High - Low
     3. Price Range Percentage = {{High - Low}/PreviousClose}\*100%
     4. Price Change Percentage = {{LTP - Previous Close}\PreviousClose} \* 100%
  2. Create a Workflow that stores all data in Excel.
     1. Previous Close
     2. Open
     3. High/Low
     4. Close Price
     5. VWAP
     6. Adjusted Price

While we're storing data in Excel: Use the If condition

* If in\_TransectionNumber=1 then include header else exclude header and append data.
  1. Create a workflow that makes a separate file for each stock and contains a detailed Report.
     1. Open
     2. High/Low
     3. Close Price
     4. VWAP
     5. Adjusted Price
     6. Price Change = LTP - Previous Close
     7. PriceRange = High - Low
     8. Price Range Percentage = {{High - Low}/PreviousClose}\*100%
     9. Price Change Percentage = {{LTP - Previous Close}\PreviousClose} \* 100%

6. End Process State:

1. Create a workflow for sending emails:
   1. In the "End Process" stage, a notification email is sent to the user confirming the process has been completed.
   2. The email includes all attached files containing detailed information for each stock.
2. CloseAllApplications:
   1. After sending the notification email in the "End Process" stage, all applications used in the automation are closed to ensure a clean termination of the process.

* A trigger is configured to run this process from Monday to Friday at 6:00 PM IST.
* In case of any errors, an email notification is automatically sent to the user, containing details of the error along with a screenshot for reference.

Exceptions:

1. If the Ui Element is not found, the process throws an exception and Halts the process. Else Extract the information of stocks.
2. If the Ui Element is not found, the process throws an exception and Halts the process.
3. MS Word: The application is not opening at that time process throws an exception and Halts the process.
4. MS Excel: The Application is not opening/ Takes too much time to open at that time process throws an exception and Halts the process.