**Dispatcher:**

1. Invoke GetAssets: for retrieving all the assets value
2. Invoke Initialization: Downloads employee sheet and Gives employee data table
3. Invoke AddToQueue: Adds an employee’s details from the employee data table to the orchestrator queue. (One queue item has these many details: Employee Code, Employee Name, department, gross salary, sick leave, casual leave)

**Performer:**

1. **Init state:**
   1. InitAllApplication:
      1. Invoke GetAssets: for retrieving all the assets value
      2. Invoke Initialization: Downloads department sheet and Gives department data table
2. **Get Transaction Data:**

Gives transaction item that contains Employee Code, Employee Name, department, gross salary, sick leave and casual leave.

1. **Process Transaction:**
   1. Create a data table **dt\_employee** with header Employee Code, Employee Name, Department, gross salary, sick leave, casual leave and Final amount. (Use Build data table activity)
   2. if casual leave greater than 1:

Final amount = gross salary – deducted amount

highlightRow = True

Else:

Final amount = gross salary

hIghlightRow = False

* 1. Add data to dt\_employee data table using **add data row** activity
  2. if a particular department folder (i.e., IT/Human Recourses) does not exist:

Create that department folder

* 1. if a department Excel file exists in a particular department folder:

Add data to that Excel using **append Range** activity

Else:

Create a file and write data using the **write Range** activity.

* 1. If highlightRow is True:

Get the cell position by employee code using **lookup Range** activity

Highlight Row using **set range color**

* 1. Generate a cheque & save it in that department folder
  2. Update leave dictionary
  3. Update expense dictionary

1. **Report generation and uploading:**
   1. Invoke MonthlyReportGeneration: Generates monthly salary report
   2. Invoke GenerateLeaveReport: Generates monthly leave report
   3. Invoke SendMailToManager: Sends department wise excel to respective department manager
   4. Invoke SendMonthlyReports: Sends monthly salary report and monthly leave report to the manager
   5. Invoke UploadDataToSharepoint: Uploads department wise data to the department folder and monthly salary and leave report to the respective folders.
2. **End Process:**
   1. Invoke DeleteFoldersFromLocalSystem: Deletes the data folders from local system

