INTELLIGENT SYSTEMS & ROBOTICS
ASSIGNMENT 1

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Objective

Automate Processes using UiPath to gain an understanding of the benefits or RPA. Present findings and recommendations to senior management for the adoption of RPA.

Submissions (1 Submission/Team)

- Presentation Deck
- All UiPath Project artifacts.

Question 1: {10 points}
Automate extraction of data from a Sample PDF
References: https://www.uipath.com/kb-articles/pdf-data-extraction-scrape-pdf-text

- Split the output into an array of strings containing each word from the table. Iterate through the data to place every word under the proper column header UiPath
- Using the same Sample PDF, implement the OCR using Python.
- Using ABBY OCR (https://activities.uipath.com/docs/abbyy-ocr), implement an automation process using UiPath.

Question 2: {10 points}
Extract weather information using by consuming a REST web service.
References: https://www.uipath.com/kb-articles/consuming-rest-web-service-get-**weather**

- Read the CSV file that contain cities name. Add one more column to your data table. For each city from CSV file, use web service to extract the temperature and the moment when it was recorded. Write the information extracted into another file.

Question 3: {10 points}
Automate Data Entry in a Desktop Application.
References: https://www.uipath.com/kb-articles/automate-data-entry-application

- Read the CSV file and understand the data. Open the Expense IT application and navigate to the add expenses window to automate the data entry from the CSV file into the application

Question 4: {10 points}
Web Site Content Monitoring
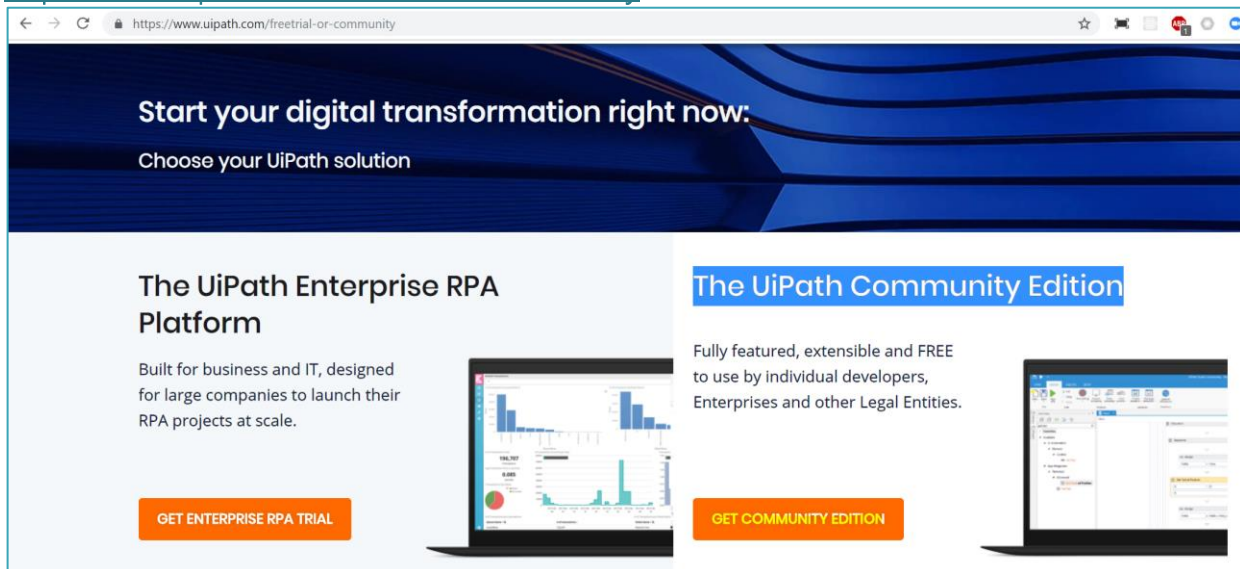References: https://www.uipath.com/kb-articles/web-site-content-monitoring

- Monitor a website, extract all the events and save them in a CSV file. When new events are found send a notification email

Question 5: {60 Points – 30 for each use case}

- Identify 2 additional use cases where RPA can be used in improving efficiencies across the enterprise. Implement it using UiPath software and provide a recommendation for management.

Installation (windows only)

https://www.uipath.com/freetrial-or-community

After successful installations you should see UiPath Studio & UiPath Robot