

INTELLIGENT SYSTEMS & ROBOTICS

ASSIGNMENT 1

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Objective

Automate Processes using UiPath to gain an understanding of the benefits of 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>

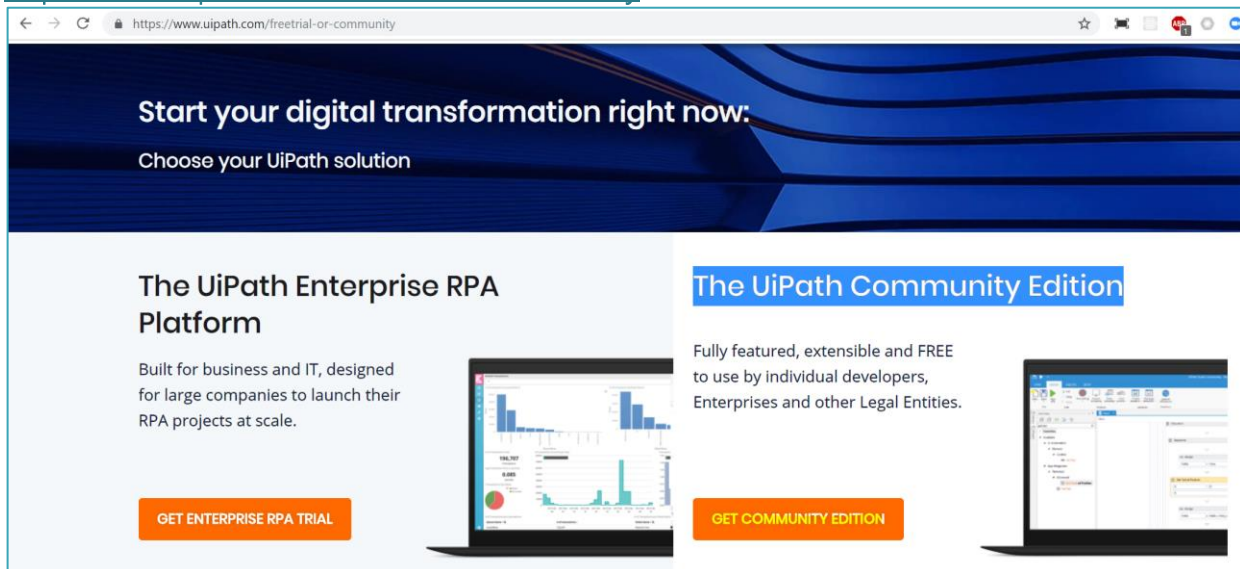
- Monitor a website, extract all the events and save them in a CSV file. When new events are found send a notification email

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>



The screenshot displays the UiPath website's landing page for trials and community editions. The header features a dark blue banner with the text "Start your digital transformation right now." and "Choose your UiPath solution". Below this, the page is divided into two main sections. The left section, titled "The UiPath Enterprise RPA Platform", describes it as "Built for business and IT, designed for large companies to launch their RPA projects at scale." and includes a "GET ENTERPRISE RPA TRIAL" button. The right section, titled "The UiPath Community Edition", describes it as "Fully featured, extensible and FREE to use by individual developers, Enterprises and other Legal Entities." and includes a "GET COMMUNITY EDITION" button. Both sections feature images of laptops displaying data visualizations.

After successful installations you should see UiPath Studio & UiPath Robot

