RPA use cases

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DATA SEMANTICS

01 . Vehicle Registration / Renewals

Bot Category : Power Automate

Automation Touchpoints

Use Case

Registration/Renewals are mostly done in groups and hence there will be a lot of registrations/renewal documents to download individually from the portal. This task is a repetitive & time-consuming task on.

Bot Activities

- Get the login credentials from a secured list for each emirate
- Open Emirates Vehicle Gate (EVG) government portal and logs in using the credential.
- Perform tasks to find out the new Registrations or Renewals listed in the portal.
- Pickup up the records for Download a copy and Download it to a specific SharePoint Folder

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02 . Vehicle Possession Certificate download

Bot Category : Power Automate

Automation Touchpoints

Use Case

Taxi service providers in Dubai receive the possession certificate link in an email for the vehicles which have completed the de-registration/disposal. This email contains a link to download the possession certificate from the portal. This certificate is important to keep when the cars are disposing or selling. This certificate has to be saved in respective SharePoint folders and later capture the full details in it and update in ERP

Bot Activities

- Bot triggers when an email receives to specific email inbox.
- Opens the email and fin the respective link to download the certificate.
- Click on the link and opens the Certificate in browser.
- Clicks the Download certificate button and Save it to a specific SharePoint Folder to OCR it by next flow.

03 . OCR Vehicle documents & Upload data to ERP

Bot Category : Flow

Automation Touchpoints

Use Case

Taxi services capture vehicle & Possession certificate data and upload it to a folder such as, D365. Exceptions are handled manually.

Flow Activities

- Flow gets triggered for respective Document Type folders when a file is created.
- It picks up the file and push it to the respective Form Recognizer model for OCR the document.
- Extracted data then validates against available vehicle records in D365.
- If the validation is successful, it updates the relevant records in D365 with the data captured details and attach the SharePoint link to the file also to the same record.
- If the validation is failed, then it pushes the document to an exception folder and log the details in Dataverse why the process failed.

04 . OCR Driver documents & Upload data to ERP

Bot Category : Flow

Automation Touchpoints

Use Case

Taxi services capture driver documents such as Passport, Emirates ID, Driver License, Visa, and RTA Permit data from the files and upload it to specific folder, and finally move all the data to D365. Here all the cross checking is done manually.

Flow Activities

- Flow gets triggered for respective Document Type folders when a file is created.
- It picks up the file and push it to the respective Form Recognizer model for OCR the document.
- Extracted data then validates against available driver records in D365.
- If the validation is successful, it updates the relevant records in D365 with the data captured details and attach the SharePoint link to the file also to the same record.
- If the validation is failed, then it pushes the document to an exception folder and log the details in Dataverse why the process failed.

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05 . OCR Traffic Fines documents & Upload data to ERP
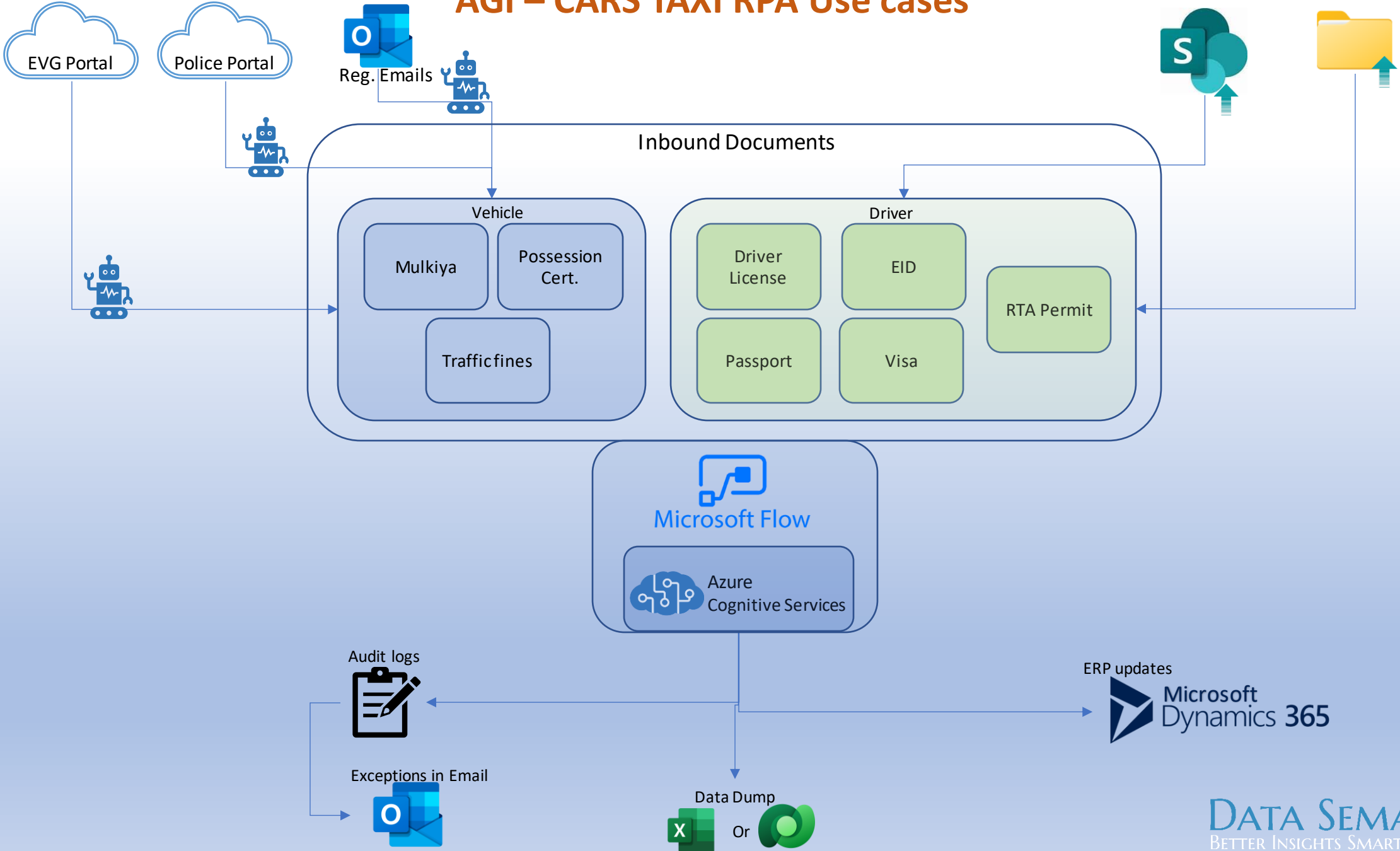
Bot Category : Flow

Automation Touchpoints

Use Case

Most taxi services have to deal with traffic fines. The volume of fines is always more than 100. These are then transferred to D365 to be posted against respective cars/drivers. OCR these traffic fines documents from the files dumped to specific folders and then uploading data to D365 as journals (Headers & Lines) would help in reducing in the manual work involved here.

Flow Activities

- Flow gets triggered for respective Document Type folders when a file is created.
- It picks up the file and push it to the respective Form Recognizer model for OCR the document.
- Extract data from it and then transfer the records to D365 as journals.
- Attach the file copy to the Journal header.
- Keeps a copy of the extracted data in Dataverse.

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Thank you

We are committed to take you to an exciting journey of Robotic Process Automation by removing the mundane & unproductive tasks from the workforce & giving them back time for more strategic & productive jobs.

DataSemantics

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