Week9 – REST APIs

Integrating with Web Services - REST API (POST)

In this task, I have used the Consume REST API (POST) operation in OutSystems to integrate with an external REST API.

The **REST Contacts** application is a simple application, one containing a couple Screen and Server actions using the **service studio** which is the Outsystems run environment. Logics were added to make the functionality create the logic to get the Contacts and display the list on the screen.

CreateContact

● Method URL

| POST ▼ | https://foundation.outsystems.net/ |

URL accepts parameters in braces, e.g. https://api.twitter.com/1.1/search/tweets.json?q=**{query}**

| Body | Headers and Authentication | Test |

Paste JSON, form URLEncoded or plain text example to generate the request input parameter and structure.

🔲 Request

```
{
"Title": "Mr.",
"Name": "Neo",
"Gender": "Male",
"Phone": "+351 214 153 730",
"Birthday": "2017-11-02",
"Occupation": "OutSystems Community Mascot",
"City": "Linda-a-Velha",
"State": "Lisbon",
```
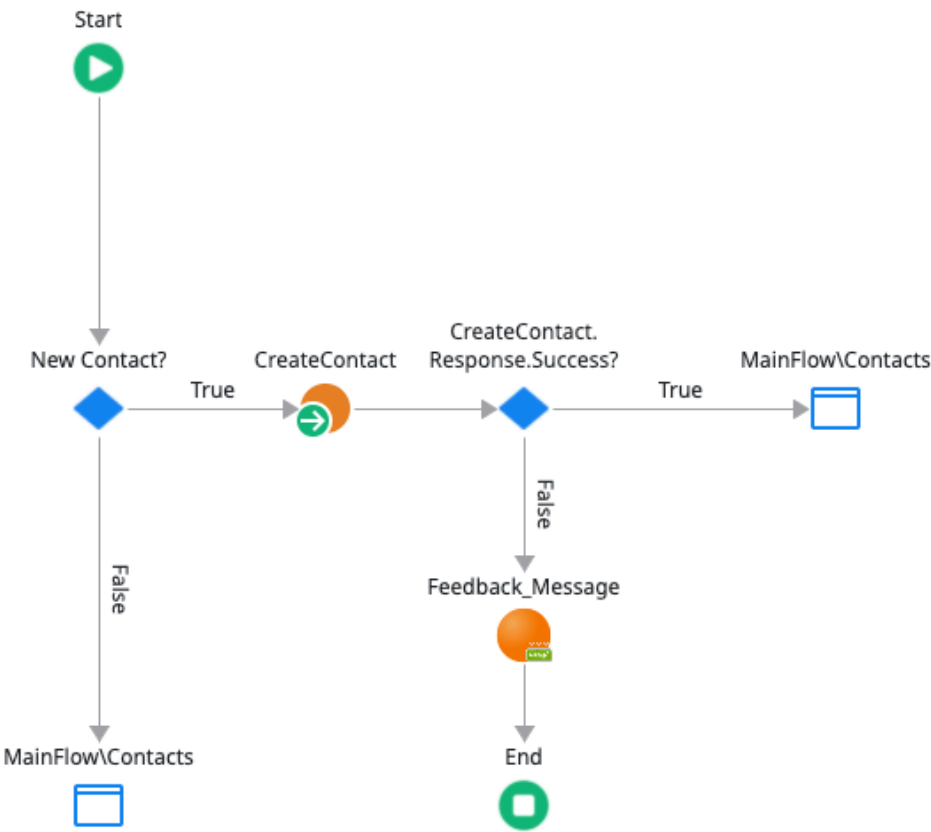
Paste JSON or plain text example to generate the response output parameter and structure.

You can also use the Test tab to invoke and get the response from the REST API, and copy it here.

🔲 Response

```
{
  "Success": true,
  "ErrorMessage": "string"
}
```

❓

Finish   Cancel

Start

New Contact? — True → CreateContact → CreateContact.Response.Success? — True → MainFlow\Contacts

New Contact? — False → MainFlow\Contacts

CreateContact.Response.Success? — False → Feedback_Message → End

Processes | Interface | Logic | Data

Elements | Widget Tree

- RESTContacts
  - UI Flows
    - Common
    - Emails
    - MainFlow
      - Home
      - ContactDetail
        - Email
        - Contact
        - Preparation
        - **Save**
      - Contacts
    - Charts
    - OutSystemsUIWeb
    - RichWidgets
    - Users
  - Images

Processes | Interface | Logic | Data

- RESTContacts
  - Server Actions
  - Integrations
    - Integration with external systems
    - SOAP
    - REST
      - ContactsAPI
        - CreateContact
          - Request
            - Title
            - Name
            - Gender
            - Phone
            - Birthday
            - Occupation
            - City
            - State
            - Country
            - Email
            - Company
          - Response
            - ErrorMessage
            - Contacts
            - Success
        - GetContacts
          - Response
  - Roles
    - Anonymous
    - Registered
  - Exceptions

Contacts   ⊕ Add New Contact

Name	Gender	Occupation	Company
Christopher Day	Male	Office administrator	Dee's Drive-In
Robert Chadwick	Male	FBI agent	Four Leaf Clover
Shana Demps	Female	Social work policy maker	Present Company
Aron Elliott	Male	Structural and reinforcing iron and metal worker	Father & Son
Edward Noble	Male	Cardiovascular technologist	Clemens Markets
William McDonald	Male	Funeral attendant	MegaSolutions

Title

Name

Gender

Phone

Birthday

YYYY-MM-DD

Occupation

City

State

Company

Country

Save