Lesson 8   RESTful Web Services

This exercise requires that you use **TrainingApp**, Guidewire Studio, and a supported web browser. Start **Guidewire Studio for TrainingApp**. Start the server as **Debug** 'Server'.

The default URL for **TrainingApp** is: http://localhost:8880/ab/ContactManager.do. Log in to **TrainingApp** as Alice Applegate User whose login/password is **aapplegate/gw**.

Exercise 1: Create a Contact REST API

Exercise

Succeed Insurance wants to create a new contact API that exposes contact information defined in the Integration View created in the Integration View exercise.

8.1.1   Requirements

Spec 1 Define a contact API that exposes contact detail information defined in the Integration View and uses the contact_api filter.

Spec 2 The basePath must be /si/contact/v1.

Spec 3 Define an API handler class whose method is called getContactDetailInformation.

Spec 4 Make the API available to external resources.

8.1.2   Tasks

1.   **Define the API schema.**
2.   **Define the API handler class.**
3.   **Publish the API.**
4.   **Deploy code changes.**
5.   **Perform verification steps.**

8.1.3   Verification steps

1.   **Use swagger-ui distribution to test.**

     a)   Open a browser and enter the following URL to launch swagger-ui:

          http://localhost:8880/ab/resources/swagger-ui

     b)   Manually change the endpoint to the new API and click **Explore**.

          http://localhost:8880/ab/rest/si/ta/contact/v1/swagger.json

Swagger — Supported by SMARTBEAR

`http://localhost:8880/ab/rest/si/ta/contact/v1/swagger.json`

Explore

c) Authorize the external resource.

- Click the **Authorize** button.
- Enter **TrainingApp** credentials:
    - Username: su
    - Password: gw
- Click **Authorize** button and close window.

d) Test GET operation for **/contacts/{contactId}**.

- Click **GET** button.
- Click **Try it out** button.
- Enter **ab:5** as the **contactId**.
- Click **Execute**.

e) Server response code is **200** along with contact detail information.

Server response

Code	Details
200	Response body

```
{
  "BankAccounts": [
    {
      "BankAccountType": "checking",
      "BankName": "ACME Credit Union"
    },
    {
      "BankAccountType": "checking",
      "BankName": "National Bank"
    }
  ],
  "Name": "William Andy",
  "PrimaryAddress": {
    "AddressLine1": "345 Fir Lane",
    "AddressType": "home",
    "City": "La Canada",
    "PostalCode": "91352",
    "State": "CA"
  },
  "TaxID": "123-45-6793"
}
```