TOC

LAB : Define Headers

In this lab you will -

a) Request Header - Accept for GET and DELETE Methods

b) Request Header - Content-Type for POST and PATCH Methods

c) Response Header - Location for POST Method

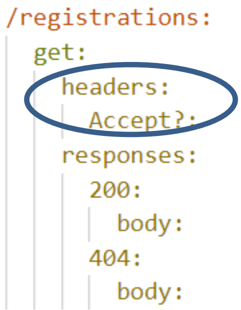
d) Response Header - Content-Type for GET and DELETE Methods

e) Response Header - Content-Type for Error Responses of All methods

Step 1 – Request Header - Accept for GET and DELETE Methods

Accept Header is sent in the request from the consumer to API Provider. This specifies the expected media type of response.

GET method

1. For all resources, we have GET methods defined. In the GET method, we will set Request Header - Accept. We will keep this Header as optional
2. In RAML specs, specify the Request Header - Accept for GET method of Registrations resource (/registrations) as follows :-
   a. 

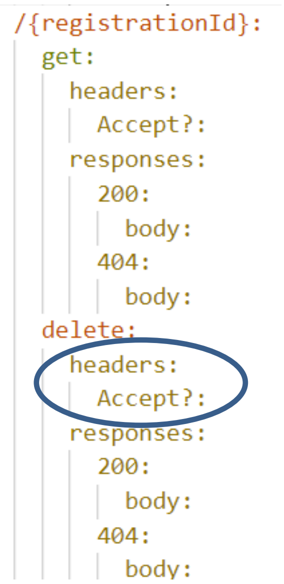
```
/registrations:
  get:
    headers:
      Accept?:
    responses:
      200:
        body:
      404:
        body:
```

   b. Under get method, we have specified **headers:** and under it we have specified ***Accept?:***
   c. The question mark after the name of header represents that the header is optional
3. In RAML specs, Specify the Request Header - Accept for GET method of all resources in the same way

DELETE Method

1. For Nested resources, we have DELETE methods defined. In the DELETE method, we will set Request Header - Accept. We will keep this Header as optional.
2. In RAML specs, specify the Request Header – Accept for DELETE method of Registration resource (/registrations/{registrationId}) as follows :-

a.



```
/{registrationId}:
  get:
    headers:
      Accept?:
    responses:
      200:
        body:
      404:
        body:
  delete:
    headers:
      Accept?:
    responses:
      200:
        body:
      404:
        body:
```

b. Under delete method, we have specified **headers:** and under it we have specified **Accept?:**

c. The question mark after the name of header represents that the header is optional

3. Specify the Request Header - Accept for DELETE method of Hotel (/hotels/{hotelId}) and Booking (/bookings/{bookingId})in the same way

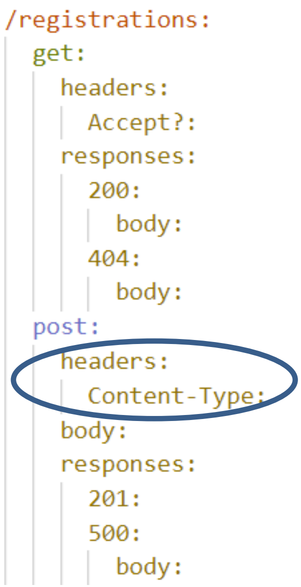
Congratulations, you have completed step 1.

Step 2 - Request Header - Content-Type for POST and PATCH Methods

Request Header - Content-Type represents the Media Type of Request sent from consumer to provider for example application/json.

POST Method

1. For Collection resources, we have POST methods defined. In the POST method, we will set Request Header - Content-Type.
2. In RAML specs, specify the Request Header - Content-Type for POST method of Registrations resource (/registrations) as follows :-

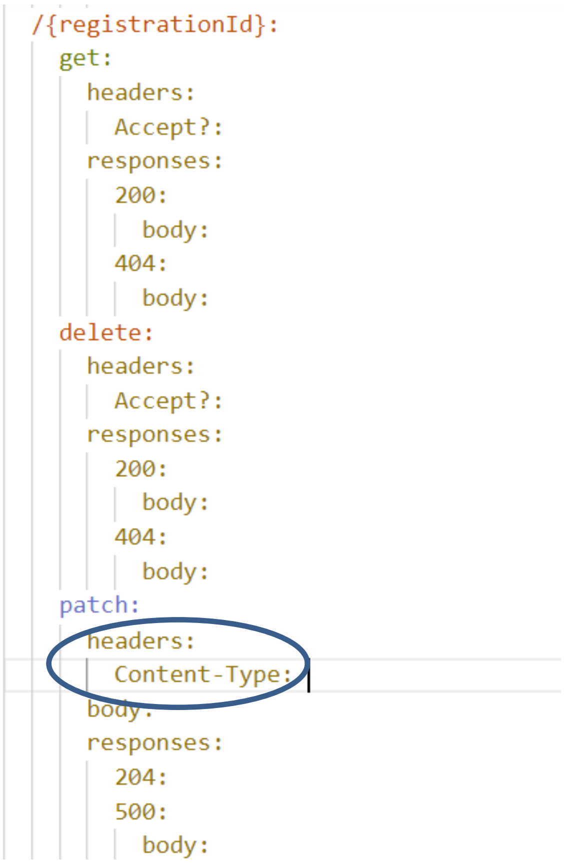


```
/registrations:
  get:
    headers:
      Accept?:
    responses:
      200:
        body:
      404:
        body:
  post:
    headers:
      Content-Type:
    body:
    responses:
      201:
      500:
        body:
```

3. Specify the Request Header - Content-Type for POST method of Hotels (/hotels) and Bookings (/bookings) in the same way

PATCH Method

1. For Nested resources, we have PATCH methods defined. In the PATCH method, we will set Request Header - Content-Type.
2. In RAML specs, specify the Request Header - Content-Type for PATCH method of Registration resource (/registrations/{registrationId}) as follows :-



```
/{registrationId}:
  get:
    headers:
      Accept?:
    responses:
      200:
        body:
      404:
        body:
  delete:
    headers:
      Accept?:
    responses:
      200:
        body:
      404:
        body:
  patch:
    headers:
      Content-Type:
    body:
    responses:
      204:
      500:
        body:
```

3. Specify the Request Header - Content-Type for PATCH method of Hotel (/hotels/{hotelId}) and Booking (/bookings/{bookingId}) in the same way

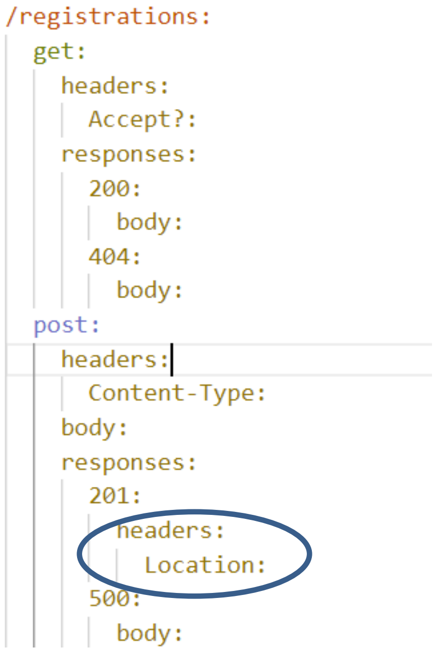
Congratulations, you have completed step 2.

Step 3 – Response Header - Location Header in POST Method

POST Method

1. For Collection resources, we have POST methods defined. In the POST method, we will set Response Header - Location with 201 http status code.

2. Specify the Response Header - Location with 201 http status code for POST method of Registrations resource (/registrations) as follows :-

   a. 

```
/registrations:
  get:
    headers:
      Accept?:
    responses:
      200:
        body:
      404:
        body:
  post:
    headers:
      Content-Type:
    body:
    responses:
      201:
        headers:
          Location:
      500:
        body:
```

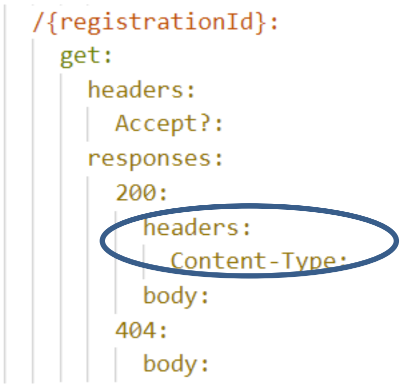
3. Specify the Response Header - Location for POST method of Hotels (/hotels) and Bookings (/bookings) in the same way. Set this header with 201 HTTP Status code.

Congratulations, you have completed step 3.

Step 4 – Response Header - Content-Type for GET and DELETE Methods

GET Method

1. For ALL resources, we have GET method defined. In the GET method, we will set Response Header - Content-Type with **200** Http Status code.
2. In RAML specs, specify the Response Header - Content-Type for GET method of Registration resource (/registrations/{registrationId}) as follows :-

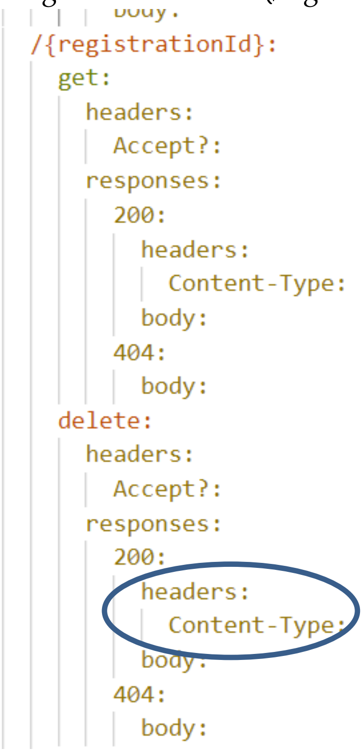


```
/{registrationId}:
  get:
    headers:
      Accept?:
    responses:
      200:
        headers:
          Content-Type:
        body:
      404:
        body:
```

3. Specify the Response Header - Content-Type of GET method for all resources in the same way. Set this for **200** HTTP Status code.

DELETE Method

1. For Nested resources, we have DELETE methods defined. In the DELETE method, we will set Response Header - Content-Type with **200** HTTP Status code.
2. In RAML specs, specify the Response Header - Content-Type for the DELETE method of Registration resource (/registrations/{registrationId}) as follows :-



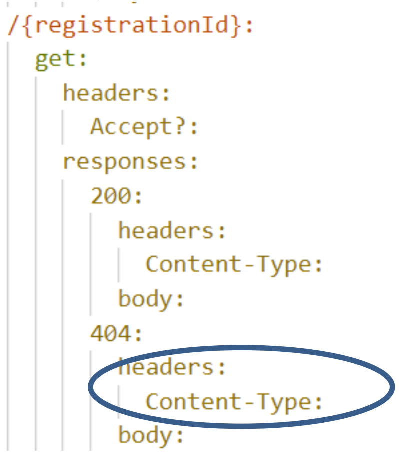
```
/{registrationId}:
  get:
    headers:
      Accept?:
    responses:
      200:
        headers:
          Content-Type:
        body:
      404:
        body:
  delete:
    headers:
      Accept?:
    responses:
      200:
        headers:
          Content-Type:
        body:
      404:
        body:
```

3. Specify the Response Header - Content-Type for DELETE method of Hotel (/hotels/{hotelId}) and Booking (/bookings/{bookingId}) in the same way. Set this for **200** HTTP Status code.

Congratulations, you have completed step 4.

Step 5 – Response Header - Content-Type in Error Responses of All methods

1. For ALL resources and ALL methods, we have specified HTTP Status code for errors.
2. In some methods, 404 HTTP Status code is used and in some methods, 500 HTTP Status code is used.
3. With both HTTP Status code 404/500, set Content-Type header.
4. In RAML specs, specify the Content-Type for 404 HTTP Status code of Registration resource (/registrations/{registrationId}) – GET method as follows :-



```
/{registrationId}:
  get:
    headers:
      Accept?:
    responses:
      200:
        headers:
          Content-Type:
        body:
      404:
        headers:
          Content-Type:
        body:
```

5. Specify the Content-Type header in the response of ALL methods of ALL resources with **404** and **500** HTTP Status code in the same way.

Congratulations, you have completed step 5.

Congratulations!! You have completed this exercise.