

TOC

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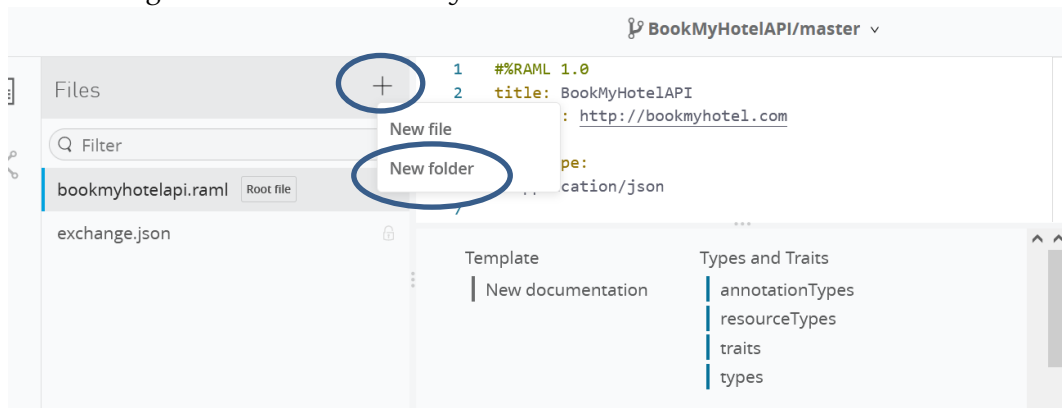
LAB : Creating and using Examples

In this lab you will -

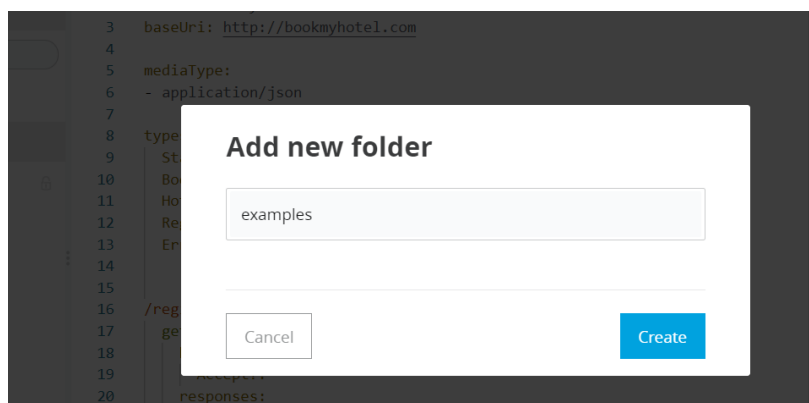
- a) Create Example Fragments
- b) Include these Example Fragments in Datatype Fragments

Step 1 – Create Error Example Fragment

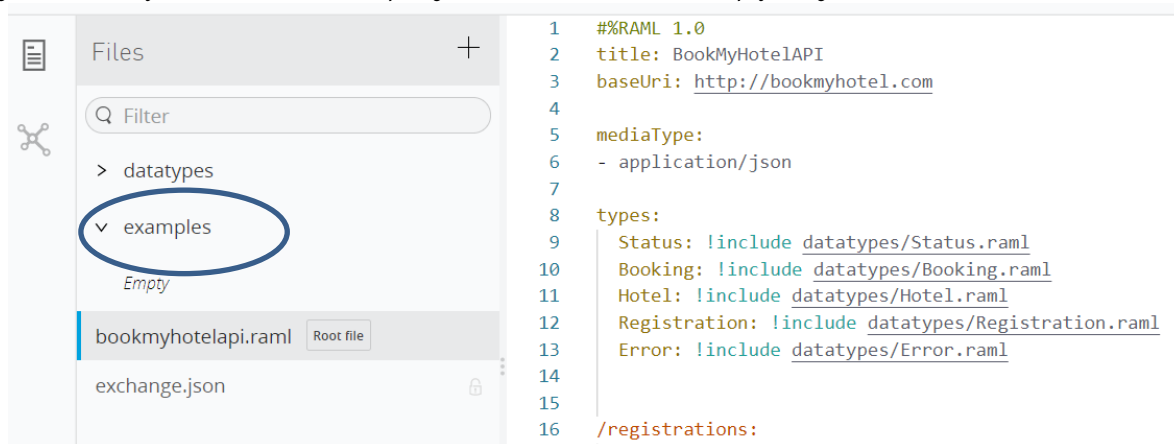
1. Click on + sign and then Create Folder from the Menu as shown below :-



2. In the dialogue box, specify the name of the folder as **examples** and then click on Create button

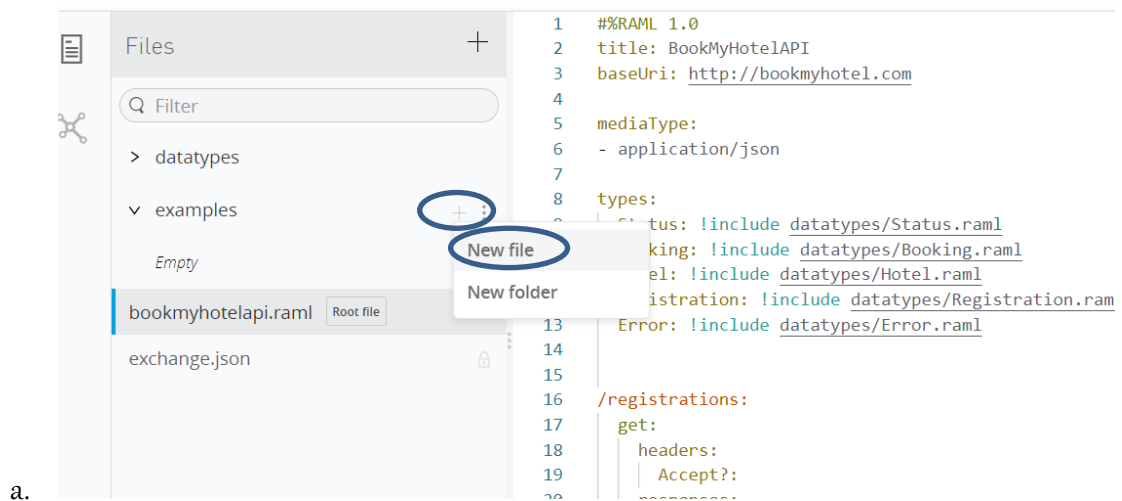


3. In the left hand side you can see the examples folder created and it is empty as of now -

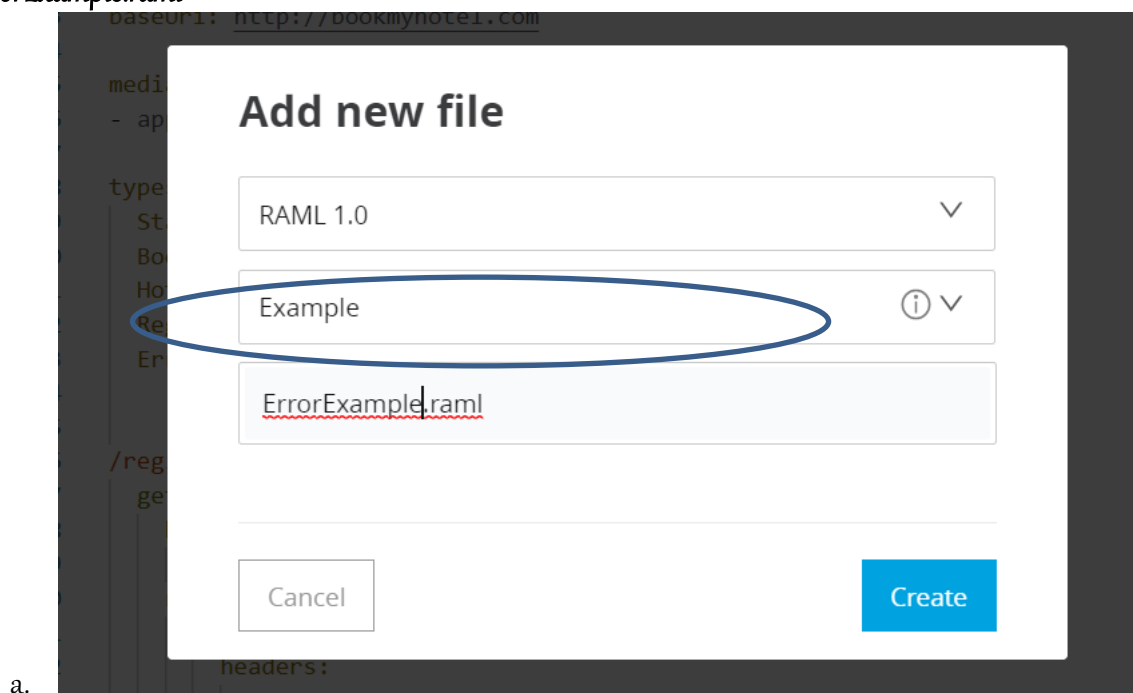


a.

4. Click on + sign near the examples folder and click on new file

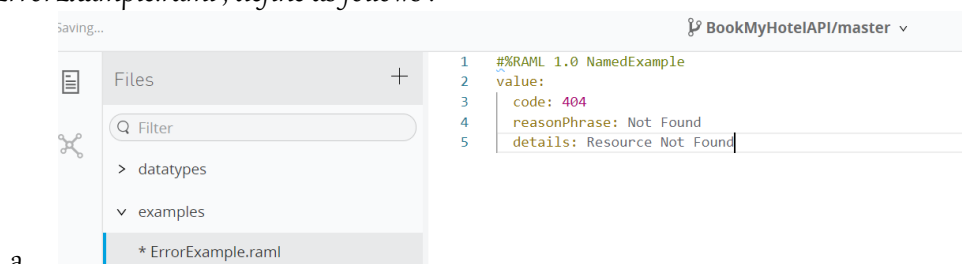


5. In the Add New File dialogue box, select **Example** from the drop down and specify the name as **ErrorExample.raml**



- b. This will create Error Example fragment (ErrorExample.raml)

6. In ErrorExample.raml , define as follows :-



- b. In the example fragment, we have specified all the properties that we have defined in Error datatype fragment
- c. After specifying all the properties, we have to specify example value against each property
- d. Specify as shown in the image above. The property code is integer value and has to be between 400 and 599. The other two properties expect string values.

Congratulations, you have completed this step!!

Step 2– Include Error Example Fragment in Error Datatype Fragment

1. Open Error.raml (Error Datatype Fragment in datatypes folder), it looks like following as of now

```
1  #%RAML 1.0 DataType
2  type: object
3  properties:
4    code:
5      type: integer
6      minimum: 400
7      maximum: 599
8    reasonPhrase: string
9    details: string
```

2. Specify **example** facet here and include ErrorExample.raml (Error Example Fragment) as shown below –

```
1  #%RAML 1.0 DataType
2  type: object
3  properties:
4    code:
5      type: integer
6      minimum: 400
7      maximum: 599
8    reasonPhrase: string
9    details: string
10 example: !include ../examples/ErrorExample.raml
11
```

Documentation

type

Example

<> Copy

code: 404
reasonPhrase: Not Found
details: Resource Not Found

code

- a.
- b. Make sure the indentation is correct as shown above otherwise you will see error

- c. Notice right hand side window, it shows the example values of the example fragment

Congratulations, you have completed this step!!

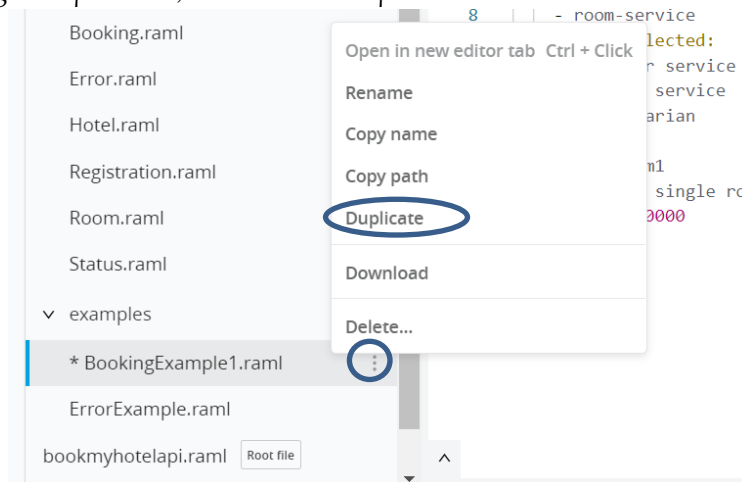
Step 3 – Create Booking Example Fragments

1. Click on + sign near the examples folder and click on new file
2. In the Add New File dialogue box, select **Example** from the drop down and specify the name as **BookingExample1.raml**. This will create Booking Example fragment (BookingExample1.raml)
3. In BookingExample1.raml, define as follows :-

```
1  #%RAML 1.0 NamedExample
2  value:
3      bookingId: b1
4      bookingStartDate: 2020-09-10
5      bookingEndDate: 2020-09-15
6      amenitiesSelected:
7          - wi-fi
8          - room-service
9      transportSelected:
10         - town car service
11         - shuttle service
12     food: vegetarian
13     room:
14         roomId: rm1
15         roomType: single room
16         amount: 40000
```

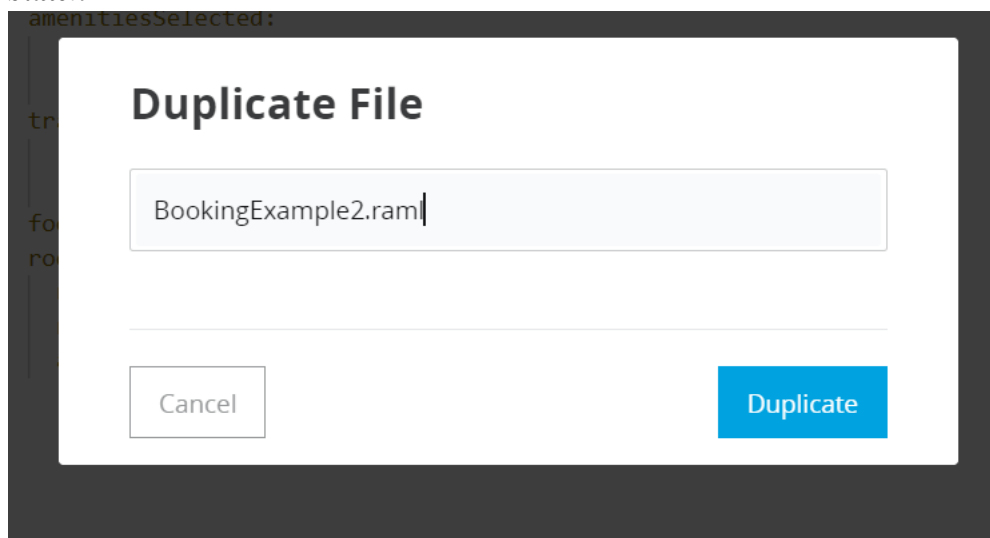
- a.
- b. The property bookingId and food are string so a string value is specified
- c. The properties bookingStartDate and bookingEndDate are date-only. The format yyyy-mm-dd is used to set the value.
- d. The property amenitiesSelected is string[] i.e. an array of string. The array of string is defined in following fashion :-
 - item 1 value
 - item 2 value
- e. The property transportSelected is also string[] and is defined in a manner similar to amenitiesSelected
- f. The property room refers to Room Datatype. So we have picked all the properties of Room datatype and specified value for each property

4. Now let's create one more example fragment for Booking datatype. Click on dots against BookingExample1.raml, then click on Duplicate



a.

- b. In the dialogue box, specify the name as BookingExample2.raml and click on Duplicate button



c.

5. The duplicate file has exact same values as BookingExample1.raml
6. Make changes in the example values as shown below or you can choose your own values as per the datatype need –

```
1  #%RAML 1.0 NamedExample
2  value:
3      bookingId: b2
4      bookingStartDate: 2020-10-20
5      bookingEndDate: 2020-10-25
6      amenitiesSelected:
7          - wi-fi
8          - gym
9          - dry cleaning
10     transportSelected:
11         - limousine service
12         - valet parking
13     food: vegetarian
14     room:
15         roomId: rm1
16         roomType: single room
17     amount: 40000
```

a.

Congratulations, you have completed this step!!

Step 4– Include Booking Example Fragments in Booking Datatype Fragment

1. Open Booking.raml (Booking Datatype Fragment from datatypes folder), it looks like following as of now –

```
1  #%RAML 1.0 DataType
2  type: object
3  properties:
4      bookingId: string
5      bookingStartDate: date-only
6      bookingEndDate: date-only
7      amenitiesSelected: string[]
8      transportSelected: string[]
9      food: string
10     room: !include Room.raml
11
```

a.

2. Specify **examples** facet here and include both example fragments as shown below –

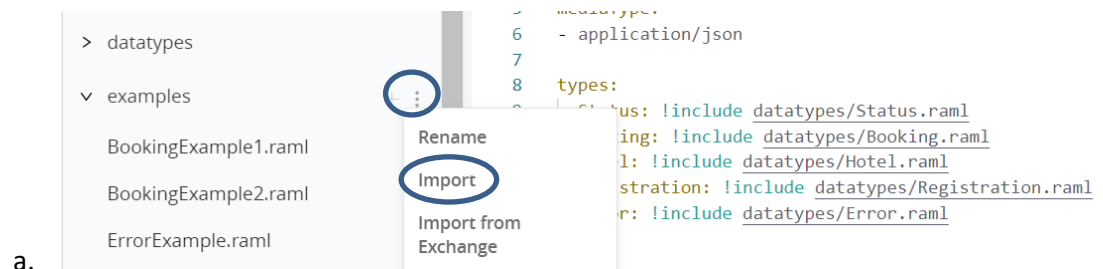
```
1  #%RAML 1.0 DataType
2  type: object
3  properties:
4    bookingId: string
5    bookingStartDate: date-only
6    bookingEndDate: date-only
7    amenitiesSelected: string[]
8    transportSelected: string[]
9    food: string
10   room: !include Room.raml
11  examples:
12    example1: !include ../examples/BookingExample1.raml
13    example2: !include ../examples/BookingExample2.raml
14
```

The **examples** facet is used to attach multiple examples to a type declaration. Its value must be a map of key-value pairs, where each key represents a unique identifier for an example and the value is a single example.

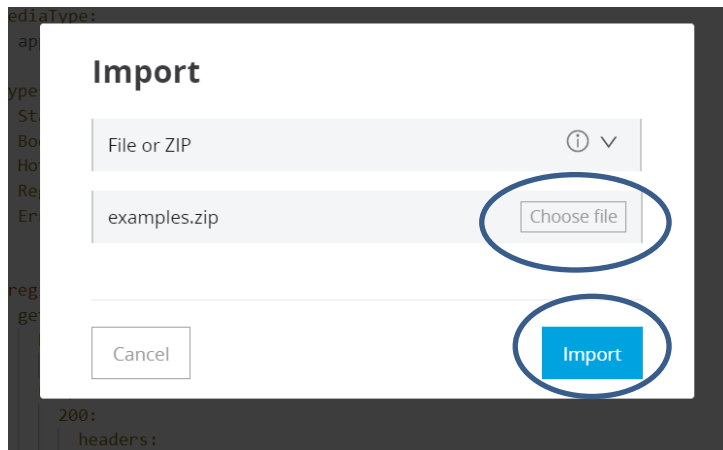
Congratulations, you have completed this step!!

Step 5— Create or Import remaining Example Fragments

1. We would like to create one status Example fragment, two Hotel Example Fragments and two Registration Example Fragments
2. Please create these example fragments in the manner described in previous steps or import the example fragments from the zip file attached in the resources section.
3. To import the zip file, click on three dots near **Examples** folder and then click on Import



4. A dialogue box will open. Click on choose file button and select the zip file from the folder(where you have downloaded my zip file). Then click on Import button



a.

5. You may be asked if you want to replace the files in your project from the files of the zip. You can select the files to replace or not as per your need.
6. Once created or imported, these example fragments are to be included in the corresponding Datatype fragments.

Step 6— Include the example fragments in datatype fragments

1. Please include the example fragments that you have imported (in previous step) in the datatype fragments using example/examples facet. This is same as explained in the previous steps

Congratulations, you have completed this step!!

End of Exercise!!