**AWS - API Gateway**

1. Create an API using *‘Create API’*, for example 'BSRO'
2. Goto *'Resources'* under 'BSRO' API, in Sidebar
3. To create a new Resource - Choose *'Actions > Create Resource'*, like /ws2, /appointment, /days, /times, or /book
4. To create a new Method
   1. Choose the appropriate recource anc choose *'Action > Create Method'* and choose a method-type 'GET','POST' and so on
   2. Select 'Lambda Function' for *'Integration Type'*
   3. *'Use Lambda Proxy integration'* - N/A
   4. Select the appropriate *'Lambda Region'* where the Lambda functions are deployed. For example 'us-east-1'
   5. Select the requird 'Lambda function' and *'Save'*
5. Select the *'Method Request'* and setup the following
   1. Setting: N/A
   2. URL Query String Parameter: Add list of Query parameter going to be passed with appropriate Resource, mark the mandatory query parameters using 'Required' checkboxes. For example 'appName'
   3. HTTP Request Headers: add list of Header parameters going to be passed with appropriate Resource. For example 'employeeId'
   4. Request Body: N/A
   5. SDK Setting: N/A
6. Select the *'Integration Request'* and setup the following under *‘Body Mapping Templates’*
   1. Select 'When no template matches the request Content-Type header' for *'Request body passthrough'*
   2. *'Add mapping template'* and enter *'application/json'*
   3. Construct the request template as below and '*Save*'

*Ex:*

*{*

*"resourcePath" : "$context.resourcePath",*

*"appName" : "$input.params('appName')",*

*"employeeId" : "$input.params('employeeId')",*

*"body" : $input.json('$')*

*}*

$context.resourcePath - Resource URL as a parameter

$input.params('appName') - Header parameter

$input.params('employeeId') - Query parameter

$input.json('$') - Request body

1. '*Integration Response*' and '*Method Response*' - No changes required in those sectinos, hence the response type will be set as application/json automatically
2. Use *'Test*' to test the URL is working with the Lambda Function or not, with the Query parameter, Header and Request Body
3. Once the API Resource is configured then it should be deployed using *'Actions > Deploy API*' so that we could access the API from outside using the public URL. You could find the 'Invoke URL' under *'BSRO > Stage*', within the approriate resource.