

# API DESIGN & DOCUMENTATION

## SUMMARY

The purpose of this document is to document the RESTful API Endpoints deployed with AWS API Gateway Using IAAS Terraform. Examples of usage, sample request body are documented here.

API endpoints summary:

- GET api/textbook/chapters
- GET api/textbook/chapters/{id}
- POST api/textbook/chapters
- PUT api/textbook/chapters
- DELETE api/textbook/chapters/{id}
- GET api/textbook/pages
- GET api/textbook/pages/{id}
- POST api/textbook/pages
- PUT api/textbook/pages
- DELETE api/textbook/pages/{id}
- GET api/scenario
- GET api/scenario/{id}
- PUT api/scenario/{id}
- DELETE api/scenario/{id}

# Textbook

## Chapters

### GET api/textbook/chapters

Returns List of Chapters

#### EXAMPLE USING CURL

```
curl -v -X 'GET' -H 'Content-Type:application/json'  
https://0mvd56hduf.execute-api.ap-southeast-2.amazonaws.com/textbo  
ok/chapters
```

### GET api/textbook/chapters/{id}

Returns chapter with chapter id

#### EXAMPLE USING CURL

```
curl -v -X 'GET' -H 'Content-Type:application/json'  
https://0mvd56hduf.execute-api.ap-southeast-2.amazonaws.com/textbo  
ok/chapters/00
```

### POST api/textbook/chapters

Insert a chapter

#### REQUEST BODY

```
{  
  id: String  
  chapter_number: String  
  chapter_title: String  
}
```

#### EXAMPLE USING CURL

```
curl -v -X 'POST' -H 'Content-Type:application/json' -d '{"id":
"01", "chapter_number": "0", "chapter_title":
"preface"}'
https://0mvd56hdudf.execute-api.ap-southeast-2.amazonaws.com/textbo
ok/chapters
```

## PUT api/textbook/chapters

Update a chapter

### REQUEST BODY

Same as POST request

### EXAMPLE USING CURL

```
curl -v -X 'PUT' -H 'Content-Type:application/json' -d '{"id":
"01", "chapter_number": "1", "chapter_title":
"introduction"}'
https://0mvd56hdudf.execute-api.ap-southeast-2.amazonaws.com/textbo
ok/chapters
```

## DELETE api/textbook/chapters/{id}

Delete a chapter with id

### EXAMPLE USING CURL

```
curl -v -X 'DELETE' -H 'Content-Type:application/json'
https://0mvd56hdudf.execute-api.ap-southeast-2.amazonaws.com/textbo
ok/chapters/01
```

## Pages

### GET api/textbook/pages

Returns List of Chapters

#### EXAMPLE USING CURL

```
curl -v -X 'GET' -H 'Content-Type:application/json'  
https://0mvd56hdudf.execute-api.ap-southeast-2.amazonaws.com/textbo  
ok/pages
```

### GET api/textbook/pages/{id}

Returns page with page id

#### EXAMPLE USING CURL

```
curl -v -X 'GET' -H 'Content-Type:application/json'  
https://0mvd56hdudf.execute-api.ap-southeast-2.amazonaws.com/textbo  
ok/pages/01
```

### POST api/textbook/pages

Insert a page

#### REQUEST BODY

```
{  
  id: String  
  chapter_number: String  
  chapter_title: String  
  header_content: String  
  subheader_content: String  
  left_content: String  
  right_content: String  
  img_src_content_top_right: String  
  img_src_content_bottom_right: String  
  img_src_content_top_left: String  
  img_src_content_bottom_left: String  
  img_header_content_top_right: String  
  img_header_content_bottom_right: String
```

```
    img_header_content_top_left: String
    img_header_content_bottom_left: String
    config_left_width: String
    config_right_width: String
    config_mirrored_view: String
    config_completed: String
}
```

#### EXAMPLE USING CURL

```
curl -v -X 'POST' -H 'Content-Type:application/json' -d '{"id\":"01\","chapter_number\":"0\","chapter_title\":"preface\","header_content\":"dummy_header\","subheader_content\":"dummy_subheader\","left_content\":"dummy_content\","right_content\":"dummy_content\","img_src_content_top_right\":"\","img_src_content_bottom_right\":"\","img_src_content_top_left\":"\","img_src_content_bottom_left\":"\","img_header_content_top_right\":"\","img_header_content_bottom_right\":"\","img_header_content_top_left\":"\","img_header_content_bottom_left\":"\","config_left_width\":"more_dummy_config\","config_right_width\":"dummy_config\","config_mirrored_view": false, "config_completed": true}'
https://0mvd56hduf.execute-api.ap-southeast-2.amazonaws.com/textbook/pages
```

## PUT api/textbook/pages

Update a chapter

### REQUEST BODY

Same as POST request

### EXAMPLE USING CURL

```
curl -v -X 'PUT' -H 'Content-Type:application/json' -d '{"id":
"\01\',"chapter_number\":"\0\',"chapter_title\":"preface\',"
header_content\":"dummy_header\',"subheader_content\":"
dummy_subheader\',"left_content\":"dummy_content\',"
right_content\":"dummy_content\',"
img_src_content_top_right\":"\',"
img_src_content_bottom_right\":"\',"
img_src_content_top_left\":"\',"
img_src_content_bottom_left\":"\',"
img_header_content_top_right\":"\',"
img_header_content_bottom_right\":"\',"
img_header_content_top_left\":"\',"
img_header_content_bottom_left\":"\',"config_left_width\":"
more_dummy_config\',"config_right_width\":"dummy_config\',"
config_mirrored_view\": false, "config_completed\": true}'
https://0mvd56hduf.execute-api.ap-southeast-2.amazonaws.com/textbo
ok/pages
```

## DELETE api/textbook/pages/{id}

Delete a chapter with id

### EXAMPLE USING CURL

```
curl -v -X 'DELETE' -H 'Content-Type:application/json'
https://0mvd56hduf.execute-api.ap-southeast-2.amazonaws.com/textbo
ok/pages/01
```

# Scenario

## Scenario

### GET api/scenario

Returns List of Scenarios

#### EXAMPLE USING CURL

```
curl -v -X 'GET' -H 'Content-Type:application/json'  
https://0mvd56hduf.execute-api.ap-southeast-2.amazonaws.com/scenar  
io
```

### GET api/scenario/{id}

Returns scenario with id

#### EXAMPLE USING CURL

```
curl -v -X 'GET' -H 'Content-Type:application/json'  
https://0mvd56hduf.execute-api.ap-southeast-2.amazonaws.com/scenar  
io/00
```

### PUT api/scenario/{id}

Update scenario

#### REQUEST BODY

```
{  
    id: String  
}
```

#### EXAMPLE USING CURL

```
curl -v -X 'PUT' -H 'Content-Type:application/json' -d '{"id\":"  
\"00\"}'  
https://0mvd56hduf.execute-api.ap-southeast-2.amazonaws.com/scenar  
io
```

`DELETE api/scenario/{id}`

Delete scenario

EXAMPLE USING CURL

```
curl -v -X 'DELETE' -H 'Content-Type:application/json'  
https://0mvd56hduf.execute-api.ap-southeast-2.amazonaws.com/scenar  
io/00
```