App

Definition
App API can interact with the app design of the current app.

> ⚠ This API is based on the **current app context**.

App

- ☐ Add environment variable
- ☐ Create new version
- ☐ Delete environment variable
- ☐ Delete version
- ☐ Deploy XPDL
- ☐ Download XPDL
- ☐ Download addon builder definition
- ☐ Download datalist definition
- ☐ Download form definition
- ☐ Download userview definition
- ☐ Find environment variable
- ☐ Get environment variable by ID
- ☐ Increase environment variable counter value
- ☐ List created addon builder element
- ☐ List created datalist
- ☐ List created form
- ☐ List created userview
- ☐ List versions
- ☐ Published version
- ☐ Retrieve created addon builder element as options
- ☐ Retrieve created datalist as options
- ☐ Retrieve created form as options
- ☐ Retrieve created userview as options
- ☐ Retrieve processes as options
- ☐ Update environment variable

- Add environment variable
- Create new version
- Delete environment variable
- Delete version
- Deploy XPDL
- Download XPDL
- Download addon builder definition
- Download datalist definition
- Download form definition
- Download userview definition
- Find environment variable
- Get environment variable by ID
- Increase environment variable counter value
- List created addon builder element
- List created datalist
- List created form
- List created userview
- List versions
- Published version
- Retrieve created addon builder element as options
- Retrieve created datalist as options
- Retrieve created form as options
- Retrieve created userview as options
- Retrieve processes as options
- Update environment variable

	Name	Description

1 **Add environment variable**

Add a new environment variable to the current app.

Name	Description
URL	/app/environment
HTTP Method	POST
Body Parameters	

Parameter	Description
id	Environment variable ID.
value	Environment variable value.
remarks	Description of environment variable.

Sample Response

```
{
  "value": "I exist via API.",
  "remarks": "This is an environment variable created with API
Builder.",
  "id": "apiEnvVar"
}
```

2 **Create new version**

Create a new app version based on the specified version of the current app.

Name	Description
URL	/app/new/{version}
HTTP Method	POST
Path Parameters	

Parameter	Description
version	Version of current app to base on. Expects an integer value. Use "0" value to use the latest app version.

Sample Response

```
{
  "published": false,
  "description": null,
  "meta": null,
  "id": "expenseclaim",
  "version": 2,
  "name": "Expenses Claim",
  "dateCreated": "Aug 26, 2019 4:37:19 PM",
  "dateModified": "Aug 26, 2019 4:37:22 PM"
}
```

3 **Delete environment variable**

Delete the specified environment variable in the current app.

Name	Description
URL	/app/environment/{id}
HTTP Method	DELETE
Path Parameters	Parameter: id — Description: ID of environment variable to remove. Expects a string.
Sample Response	

```
{
  "date": "Mon Aug 26 16:57:53 SGT 2019",
  "code": "200",
  "message": "Successful operation"
}
```

4 **Delete version**

Delete the specified app version of the current app.

Name	Description
URL	/app/delete/{version}
HTTP Method	DELETE
Path Parameters	Parameter: version — Description: Version of current app to remove. Expects an integer value.
Sample Response	

```
{
  "date": "Mon Aug 26 17:02:35 SGT 2019",
  "code": "200",
  "message": "Successful operation"
}
```

5 **Deploy XPDL**

Deploy a XPDL file as a new/updated process design to the current app.

Name	Description
URL	/app/deploy/xpdl
HTTP Method	POST
Body Parameters	Parameter: File — Description: Expects a XPDL file.
Sample Response	

```
{
  "date": "Mon Aug 26 18:17:30 SGT 2019",
  "code": "200",
  "message": "Successful operation"
}
```

6 **Download XPDL**

Download the process definition of all process(es) as XPDL file.

Name	Description
URL	/app/xpdl
HTTP Method	GET
Parameters	-
Sample Response	Definition of all process(es) as XPDL.

7 **Download addon builder definition**

Download the specified addon builder page JSON definition.

Name	Description
URL	/app/{builder}/definition/{id}
HTTP Method	GET
Path Parameters	Parameter: builder — Builder's ID. (e.g: "api" for API Builder) Parameter: id — Builder page's ID.
Sample Response	JSON definition of the builder's page.

8 **Download datalist definition**

Download the specified datalist JSON definition.

Name	Description
URL	/app/datalist/definition/{id}
HTTP Method	GET
Path Parameters	Parameter: id — Datalist ID.
Sample Response	JSON definition of the Datalist.

9 **Download form definition**

Download the specified form JSON definition.

Name	Description
URL	/app/form/definition/{id}
HTTP Method	GET
Path Parameters	Parameter: id — Form ID.
Sample Response	JSON definition of the Form.

<table>
<tr>
<td>10</td>
<td>Download userview definition</td>
<td>
Download the specified userview JSON definition.
<table>
<tr><th>Name</th><th>Description</th></tr>
<tr><td>URL</td><td>/app/userview/definition/{id}</td></tr>
<tr><td>HTTP Method</td><td>GET</td></tr>
<tr><td>Path Parameters</td><td>
<table>
<tr><th>Parameter</th><th>Description</th></tr>
<tr><td>id</td><td>Userview ID.</td></tr>
</table>
</td></tr>
<tr><td>Sample Response</td><td>JSON definition of the Userview.</td></tr>
</table>
</td>
</tr>
<tr>
<td>11</td>
<td>Find environment variable</td>
<td>
Get values of all environment variable(s) in the current app by default.

Able to filter or sort the returned results via parameters.
<table>
<tr><th>Name</th><th>Description</th></tr>
<tr><td>URL</td><td>/app/environment/find</td></tr>
<tr><td>HTTP Method</td><td>GET</td></tr>
<tr><td>Query String Parameters</td><td>
<table>
<tr><th>Parameter</th><th>Description</th></tr>
<tr><td>nameFilter</td><td>Environment variable ID.</td></tr>
<tr><td>sort</td><td>Environment variable column to sort.

Must be used in conjunction with "sortDescending" parameter.</td></tr>
<tr><td>sortDescending</td><td>Sort the specified "sort" parameter value in ascending or descending order.

Expects a boolean value.

Must be used in conjunction with "sort" parameter.</td></tr>
<tr><td>startOffset</td><td>Starting position of records to start query. Expects an integer.</td></tr>
<tr><td>pageSize</td><td>Number of results to return. Expects an integer.</td></tr>
</table>
</td></tr>
<tr><td>Sample Response</td><td>
<pre>
[
  {
    "value": "Expenses Claim",
    "remarks": null,
    "id": "AppName"
  },
  {
    "value": "4",
    "remarks": null,
    "id": "counter"
  },
  {
    "value": "8",
    "remarks": "string",
    "id": "string"
  }
]
</pre>
</td></tr>
</table>
</td>
</tr>
</table>

12 **Get environment variable by ID**

Get values of an environment variable by its specified ID.

Name	Description
URL	/app/environment/{id}
HTTP Method	GET
Path Parameters	**Parameter** / **Description** id — Environment variable ID.
Sample Response	`{ "value": "Expenses Claim", "remarks": null, "id": "AppName" }`

13 **Increase environment variable counter value**

Increments the specified environment variable counter value.

Name	Description
URL	/app/environment/increaseCounter
HTTP Method	PUT
Query String Parameters	**Parameter** / **Description** id — Environment variable ID with a **number value only**. amount — Amount to increment environment variable. Increments by 1 by default.
Sample Response	`{ "value": "6", "remarks": null, "id": "counter" }`

14 | **List created addon builder element**

List details of all created addon builder element(s) present in the current app.

Name	Description
URL	/app/list/{builder}
HTTP Method	GET
Path Parameters	**Parameter** / **Description** builder — Builder's ID. (e.g: "api" for API Builder)
Query String Parameters	**Parameter** / **Description** nameFilter — Builder page ID. sort — Builder data column to sort. **Must** be used in conjunction with "**sortDescending**" parameter. sortDescending — Sort the specified "sort" parameter value in ascending or descending order. Expects a boolean value. **Must** be used in conjunction with "**sort**" parameter. startOffset — Starting position of records to start query. Expects an integer. pageSize — Number of results to return. Expects an integer.
Sample Response	

```
[
  {
    "name": null,
    "type": "api",
    "description": null,
    "dateCreated": null,
    "dateModified": null,
    "id": "API-c12135da-a5f6-41c4-ba99-bfaa16bbe636"
  },
  {
    "name": null,
    "type": "api",
    "description": null,
    "dateCreated": null,
    "dateModified": null,
    "id": "API-5bc8e093-00cd-455a-a6b0-d94aa92a446f"
  }
]
```

15 **List created datalist**

List details of all created datalist(s) present in the current app.

Name	Description
URL	/app/list/datalist
HTTP Method	GET
Query String Parameters	

Parameter	Description
nameFilter	Datalist ID.
sort	Datalist data column to sort. **Must** be used in conjunction with "**sortDescending**" parameter.
sortDescending	Sort the specified "sort" parameter value in ascending or descending order. Expects a boolean value. **Must** be used in conjunction with "**sort**" parameter.
startOffset	Starting position of records to start query. Expects an integer.
pageSize	Number of results to return. Expects an integer.

Sample Response

```
[
  {
    "name": null,
    "description": null,
    "dateCreated": null,
    "dateModified": null,
    "id": "ExpensesListAll"
  },
  {
    "name": null,
    "description": null,
    "dateCreated": null,
    "dateModified": null,
    "id": "ExpensesApproved"
  },
        .....
]
```

16 | **List created form**

List details of all created form(s) present in the current app.

Name	Description
URL	/app/list/form
HTTP Method	GET
Query String Parameters	

Parameter	Description
nameFilter	Form ID.
sort	Form data column to sort. **Must** be used in conjunction with "**sortDescending**" parameter.
sortDescending	Sort the specified "sort" parameter value in ascending or descending order. Expects a boolean value. **Must** be used in conjunction with "**sort**" parameter.
startOffset	Starting position of records to start query. Expects an integer.
pageSize	Number of results to return. Expects an integer.

Sample Response

```
[
  {
    "name": null,
    "tableName": "j_expense_claim",
    "description": null,
    "dateCreated": null,
    "dateModified": null,
    "id": "ExpensesApprovalDetail"
  },
  {
    "name": null,
    "tableName": "j_expense_approval",
    "description": null,
    "dateCreated": null,
    "dateModified": null,
    "id": "ExpensesApprovalEntry"
  },
        .....
]
```

17 **List created userview**

List details of all created userview(s) present in the current app.

Name	Description
URL	/app/list/userview
HTTP Method	GET
Query String Parameters	<table><tr><th>Parameter</th><th>Description</th></tr><tr><td>nameFilter</td><td>Userview ID.</td></tr><tr><td>sort</td><td>Userview data column to sort. **Must** be used in conjunction with "**sortDescending**" parameter.</td></tr><tr><td>sortDescending</td><td>Sort the specified "sort" parameter value in ascending or descending order. Expects a boolean value. **Must** be used in conjunction with "**sort**" parameter.</td></tr><tr><td>startOffset</td><td>Starting position of records to start query. Expects an integer.</td></tr><tr><td>pageSize</td><td>Number of results to return. Expects an integer.</td></tr></table>

Sample Response	[
	  {
	  "name": null,
	  "description": null,
	  "dateCreated": null,
	  "dateModified": null,
	  "thumbnail": null,
	  "id": "home"
	  },
	  {
	  "name": null,
	  "description": null,
	  "dateCreated": null,
	  "dateModified": null,
	  "thumbnail": null,
	  "id": "dashboard"
	  }
	]

18 **List versions**

List details of all app version(s) of the current app.

Name	Description
URL	/app/versions
HTTP Method	GET
Query String Parameters	**Parameter** / **Description** sort: App version data column to sort. **Must** be used in conjunction with "**sortDescending**" parameter. sortDescending: Sort the specified "sort" parameter value in ascending or descending order. Expects a boolean value. **Must** be used in conjunction with "**sort**" parameter. startOffset: Starting position of records to start query. Expects an integer. pageSize: Number of results to return. Expects an integer.
Sample Response	`[ { "published": true, "description": null, "meta": null, "id": "expenseclaim", "version": 1, "name": "Expenses Claim", "dateCreated": "Nov 14, 2018 2:20:33 PM", "dateModified": "Aug 26, 2019 7:29:43 PM" } ]`

19 **Published version**

Get details of the currently published app version of the current app.

Name	Description
URL	/app/published
HTTP Method	GET
Parameters	-
Sample Response	`{ "published": true, "description": null, "meta": null, "id": "expenseclaim", "version": 1, "name": "Expenses Claim", "dateCreated": "Nov 14, 2018 2:20:33 PM", "dateModified": "Aug 26, 2019 7:29:43 PM" }`

20

Retrieve created addon builder element as options

List label & value of all addon builder element(s) present in the current app.

Name	Description
URL	/app/{builder}/options
HTTP Method	GET
Path Parameters	**Parameter** / **Description** builder — Builder's ID. (e.g: "api" for API Builder)
Query String Parameters	**Parameter** / **Description** nameFilter — Builder page ID. sort — Builder data column to sort. **Must** be used in conjunction with "**sortDescending**" parameter. sortDescending — Sort the specified "sort" parameter value in ascending or descending order. Expects a boolean value. **Must** be used in conjunction with "**sort**" parameter. startOffset — Starting position of records to start query. Expects an integer. pageSize — Number of results to return. Expects an integer.
Sample Response	

```
[
  {
    "label": "",
    "value": ""
  },
  {
    "label": "Expense Claim Data",
    "value": "API-c12135da-a5f6-41c4-ba99-bfaa16bbe636"
  },
  {
    "label": "Test API Document KB",
    "value": "API-5bc8e093-00cd-455a-a6b0-d94aa92a446f"
  }
]
```

21 **Retrieve created datalist as options**

List label & value of all datalist(s) present in the current app.

Name	Description
URL	/app/datalist/options
HTTP Method	GET
Query String Parameters	

Parameter	Description
nameFilter	Datalist ID.
sort	Datalist data column to sort. **Must** be used in conjunction with "**sortDescending**" parameter.
sortDescending	Sort the specified "sort" parameter value in ascending or descending order. Expects a boolean value. **Must** be used in conjunction with "**sort**" parameter.
startOffset	Starting position of records to start query. Expects an integer.
pageSize	Number of results to return. Expects an integer.

Sample Response

```
[
  {
    "label": "",
    "value": ""
  },
  {
    "label": "Expense All",
    "value": "ExpensesListAll"
  },
  {
    "label": "Expense Approved",
    "value": "ExpensesApproved"
  },
        .....
]
```

22	**Retrieve created form as options**	List label & value of all form(s) present in the current app. **Name** / **Description** URL: /app/form/options HTTP Method: GET Query String Parameters: **Parameter** / **Description** nameFilter: Form ID. sort: Form data column to sort. **Must** be used in conjunction with "**sortDescending**" parameter. sortDescending: Sort the specified "sort" parameter value in ascending or descending order. Expects a boolean value. **Must** be used in conjunction with "**sort**" parameter. startOffset: Starting position of records to start query. Expects an integer. pageSize: Number of results to return. Expects an integer. Sample Response: `[ { "label": "", "value": "" }, { "label": "Expense Approval Detail", "value": "ExpensesApprovalDetail" }, { "label": "Expense Approval Entry", "value": "ExpensesApprovalEntry" }, ..... ]`

23	**Retrieve created userview as options**	List label & value of all userview(s) present in the current app.

Name	Description
URL	/app/userview/options
HTTP Method	GET
Query String Parameters	

Parameter	Description
nameFilter	Userview ID.
sort	Userview data column to sort. **Must** be used in conjunction with "**sortDescending**" parameter.
sortDescending	Sort the specified "sort" parameter value in ascending or descending order. Expects a boolean value. **Must** be used in conjunction with "**sort**" parameter.
startOffset	Starting position of records to start query. Expects an integer.
pageSize	Number of results to return. Expects an integer.

Sample Response


```
[
  {
    "label": "",
    "value": ""
  },
  {
    "label": " Expenses Claims App",
    "value": "home"
  },
  {
    "label": "Dashboard Template",
    "value": "dashboard"
  }
]
```

24 **Retrieve processes as options**

List label & value of all process(es) present in the current app.

Name	Description
URL	/app/process/options
HTTP Method	GET
Parameters	-
Sample Response	`[ { "label": "", "value": "" }, { "label": "Expense Approval Process (process1)", "value": "process1" }, { "label": "Process 2 TEST (testprocess2)", "value": "testprocess2" } ]`

25 **Update environment variable**

Update the value of an environment variable in the current app.

Name	Description
URL	/app/environment
HTTP Method	PUT
Body Parameters	**Parameter** / **Description** id: Any **existing** environment variable ID. value: Environment variable value to overwrite. remarks: Description of environment variable to overwrite.
Sample Response	`{ "value": "string", "remarks": "string", "id": "string" }`