

Documentation of Back-end Application for Unilabo Website

Scriptpainter

February 4, 2021

Contents

1	Endpoints	2
1.1	Focal Point	2
1.1.1	Post Focal Point	2
1.1.2	Update Focal Point (Single)	3
1.1.3	Get One Focal Point	3
1.2	Thank You Page	4
1.2.1	Load "Thank You" Page	4
1.2.2	User Submission	4
1.2.3	Get All Submission	5
1.2.4	Generate URL (Single)	5
1.2.5	Generate URL (Multiple)	6
1.3	User Management	6
1.3.1	User Registration	6
1.3.2	User Login	6

Chapter 1

Endpoints

Aplikasi back-end untuk halaman web aplikasi Unilabo dikembangkan dalam bentuk API (*Application Programming Interface*) dengan menggunakan teknologi Node.js dan framework Express.js serta menggunakan MongoDB sebagai *database*. Daftar API dapat dilihat secara detail sebagai berikut.

1.1 Focal Point

1.1.1 Post Focal Point

Interface ini digunakan untuk melakukan *post* deskripsi dan *upload* gambar untuk *Focal Point*. Hasil upload untuk sementara disimpan dalam folder `temp_uploadedfiles`.

- URL: `localhost/api/v1/focal-point/post`
- Method: **POST**
- **Input:** Form-Data; `description` (string), `url_banner` (string)

```
1 {  
2   "description": "Test Post",  
3   "url_banner": "RobloxScreenShot20210103_192746586.png"  
4 }
```

- **Result:**

```
1 {  
2   "_id": "601ab6044926f93198d6f830",  
3   "description": "Test Post",  
4   "url_banner": "temp_uploadedfiles\\1612363268277-  
   RobloxScreenShot20210103_192746586.png",  
5   "createdAt": "2021-02-03T14:41:08.329Z",  
6   "updatedAt": "2021-02-03T14:41:08.329Z",
```

```

7   "._v": 0
8 }

```

1.1.2 Update Focal Point (Single)

Interface berikut ini digunakan untuk melakukan update deskripsi dan/atau gambar untuk *Focal Point*. File yang di-upload untuk sementara disimpan ke dalam folder sementara `temp_uploadedfiles`.

- **URL:** `localhost/api/v1/focal-point/update`
- **Method:** **POST**
- **Input:** Form-Data - `_id` (string), `description` (string, optional), `url_banner` (file.jpg/file.png)

```

1 {
2   "_id": "601ab6044926f93198d6f830",
3   "description": "test update",
4   "url_banner": "robloxScreenShot20210103_152510171.png"
5 }

```

- **Result:**

```

1 {
2   "_id": "601ab6044926f93198d6f830",
3   "description": "Test Update",
4   "url_banner": "temp_uploadedfiles\\1612363686974-
      RobloxScreenShot20210103_152510171.png",
5   "createdAt": "2021-02-03T14:41:08.329Z",
6   "updatedAt": "2021-02-03T14:48:07.008Z",
7   "._v": 0
8 }

```

1.1.3 Get One Focal Point

Interface ini digunakan untuk mengambil satu data *Focal Point* menggunakan parameter `id` yang diambil dari *property* `_id`.

- **URL:** `localhost/api/v1/focal-point/get/:id`
- **Method:** **POST**
- **Input:** Parameter - `id` (string)

```

1 localhost:3000/api/v1/focal-point/get/601ab6044926f93198d6f830

```

- **Result:**

```

1 {
2   "_id": "601ab6044926f93198d6f830",
3   "description": "Test Update",
4   "url_banner": "temp_uploadedfiles\\1612363686974-
      RobloxScreenShot20210103_152510171.png",
5   "createdAt": "2021-02-03T14:41:08.329Z",
6   "updatedAt": "2021-02-03T14:48:07.008Z",
7   "__v": 0
8 }

```

1.2 Thank You Page

1.2.1 Load "Thank You" Page

Interface ini digunakan untuk membuka halaman *Thank You* yang dilakukan oleh *external user/customer* dengan menggunakan URL yang telah di-generate oleh *internal user*.

- **URL:** localhost/api/v1/thank-you/:id
- **Method:** GET
- **Input:** URL Parameter - id.

```

1 {
2   localhost:3000/api/v1/thank-you/601aec6d95e43d652cd46177
3 }

```

- **Result:**

```

1 {
2   "is_submitted": 0,
3   "_id": "601aec6d95e43d652cd46177",
4   "email": "user@mail.com",
5   "createdAt": "2021-02-03T18:33:17.616Z",
6   "updatedAt": "2021-02-03T18:35:48.254Z",
7   "__v": 0
8 }

```

1.2.2 User Submission

Interface ini digunakan untuk melakukan proses *submit* oleh *external user/consumer* pada halaman *Thank You*.

- **URL:** localhost/api/v1/thank-you/submit
- **Method:** POST

- **Input:** JSON - `_id` (string), `email` (string), `phone_number` (string)

```

1 {
2   "_id": "601aec6d95e43d652cd46177",
3   "email": "user@mail.com",
4   "phone_number" : "081212349876"
5 }

```

- **Result:**

```

1 {
2   "_id": "601aec6d95e43d652cd46177",
3   "email": "user@mail.com",
4   "phone_number" : "081212349876"
5 }

```

1.2.3 Get All Submission

Interface ini berfungsi untuk mengambil semua data *user submission*.

- **URL:** `localhost/api/v1/thank-you/get-all`
- **Method:** GET
- **Input:** -
- **Result:**

```

1 [
2   {
3     "is_submitted": 1,
4     "_id": "601aec6d95e43d652cd46177",
5     "email": "user@mail.com",
6     "createdAt": "2021-02-03T18:33:17.616Z",
7     "updatedAt": "2021-02-03T18:35:48.254Z",
8     "__v": 0
9   }
10 ]

```

1.2.4 Generate URL (Single)

Interface ini berfungsi untuk melakukan *generate* URL halaman Thank You untuk satu user.

URL: `localhost/api/v1/thank-you/generate-url`

Method: POST

1.2.5 Generate URL (Multiple)

1.3 User Management

1.3.1 User Registration

Interface ini berfungsi untuk mendaftarkan user dengan mengisi nama, email, dan password.

URL: localhost/api/v1/user/register

Method: POST

Input: JSON - name (string), email (string), password (string)

```
1 {
2   "name": "Administrator",
3   "email": "admin@unilabo.com",
4   "password": "password"
5 }
```

Result:

```
1 {
2   "data": {
3     "_id": "601a57910919825394e747a8",
4     "name": "Administrator",
5     "email": "admin@unilabo.com",
6     "password": "$2a$09$2Jj0yxpUofPoKeZWvBBKweoF6J0m4Im1BXGv8zq54
7       T7WvwNueiTyy",
8     "tokens": [],
9     "createdAt": "2021-02-03T07:58:09.992Z",
10    "updatedAt": "2021-02-03T07:58:09.992Z",
11    "__v": 0
12  }
```

1.3.2 User Login

Input: JSON - email (string), password (string)

```
1 {
2   "email": "admin@unilabo.com",
3   "password": "password"
4 }
```