Daily Diary API Documentation

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A) API List

HTTP Verb	Resource	Description
GET	/	Show login page
GET	/diary	Show save diary page
GET	/register	Show register page
POST	/user/register	Register new user to database
PUT	/user/login	Log user into the system and create a session
PUT	/user/logout	Log out from system and destroy a session
PUT	/diary/save	Create new diary or update an exist diary
GET	/diary/{year}/{quartal}	Retrieve all list of diary from user
GET	/diary/{year}/{quartal}?offset=?&limit=?	Retrieve list of gallery from user with offset and limit constraint

Note : as the previous table shows endpoints only, we will assume the base url to be https://api.dailydiary.com.

B) User Endpoint

User is how system handle a user. Use the User resource to register, login, and logout from system.

POST /user/register

Parameters

Body Parameter	Type	Required / Optional	Description
fullname	String	Required	Value of user's fullname
birthday	String	Required	Value of user's birthday date with date format YYYY-MM-DD
email	String	Required	Value of user's email
username	String	Required	Value of user's username

password	String	Required	Value of user's password. The constraint of password : • Password must have 6-32 length • Have at least 1 lowercase • Have at least 1 uppercase • Have at least 1 number • Have at least 1 unique symbol

Request Sample

```
http://api.dailydiary.com/user/register
```

Input from body parameter

```
{
    "fullname": "Juna Jamu",
    "birthday": "1969-12-21",
    "email": "juna@yahoo.com",
    "username": "junajamu",
    "password": "Jun@jamu1"
}
```

Response Sample

- HTTP status 200 : success register new user

```
{
    "success": true,
    "message": "Success register new user."
}
```

- HTTP Status 400 : email is exist | username is exist | password length

PUT /user/login

Parameters

Body Parameter	Type	Required / Optional	Description
Input	String	Required	Value of user's username or email
password	String	Required	Value of user's password. The constraint of password • Password must have 6-32 length • Have at least 1 lowercase • Have at least 1 uppercase • Have at least 1 number • Have at least 1 unique symbol

Request Sample

```
http://api.dailydiary.com/user/login
```

Input from body parameter

```json
{
    "input": "junajamu",
    "password": "Jun@jamu1"
}
```

Response Sample

```json
{
    "success": true,
    "message": "Access Granted."
}
```

No Parameters required

Request Sample

```
http://api.dailydiary.com/user/login
```

Response Sample

```
{
    "success": true,
    "message": "Log out success"
}
```

C) Diary Endpoint

Diary is how user handle a diary. Use the diary resource to retrieve diary and save a diary into the system.

PUT /diary/save

This endpoint will save diary data to user. User data is retrieve from session in /user/login API.

Parameters

Body Parameter	Type	Required / Optional	Description
date	String	Required	Value of diary date with date format YYYY-MM-DD
title	String	Required	Value of diary title
content	String	Required	Value of diary content

Request Sample

```
http://api.dailydiary.com/diary/save
```

Input body parameter

```
{
    "date": "2020-06-18",
    "title": "Lorem adalah ketidakpastian",
    "content": "menulis dengan lorem cukup memudahkan
                orang-orang dalam mengembangkan program",
}
```

This endpoint will show diary data of a concerned user. User data retrieve from session in /user/login API.

Parameters

Path Parameter	Type	Required / Optional	Description
year	Number	Required	Value of year of a diary was created
quartal	Number	Required	Value of quartal of a diary was created. The quartal value consist of : • 1 : Diary that created on January – March • 2 : Diary that created on April – Juni • 3 : Diary that created on July – September • 4 : Diary that created on October – December

Query Parameter	Type	Required / Optional	Description
offset	Number	Optional	Value of data offset. It's for pagination purpose
limit	Number	Optional	Value of data that limited in a page. It's for pagination purpose

Request Sample

```
http://api.dailydiary.com/2020/2?offset=0&llimit=3
```

Response Sample

```
{
  "total": 2,
  "data": [
    {
```

```json
      "diary_id": 13,
      "date": "2020-01-19T17:00:00.000Z",
      "title": "pergi ke pasar",
      "content": "beli beras beli kangkung",
      "user_id": 23,
      "created_at": "2020-06-06T08:51:46.000Z",
      "updated_at": "0000-00-00 00:00:00"
    },
    {
      "diary_id": 12,
      "date": "2020-03-19T17:00:00.000Z",
      "title": "hari ini hari yang kutunggu",
      "content": "menulis dengan lorem cukup memudahkan
                  orang-orang dalam mengembangkan program",
      "user_id": 23,
      "created_at": "2020-06-06T08:50:55.000Z",
      "updated_at": "0000-00-00 00:00:00"
    }
  ]
}
```