

# Facebook API

**Server** → localhost:5000

Client/Simulator also included

## API Documentation :

Following APIs are supported:

- Profile
- Page
- Post
- Friendlist
- Photos
- Albums

## Usage

### Profile

- **Read**
  - Id → Profile\_id
  - First Name → First name of the person
  - Last Name → Last name of person
  - Age → Age of person
  - Email → Email of person
  - Subscribed Pages → Pages user has subscribed to

**GET /user/{user-id}**

<http://localhost:5000/user/1>

**GET /user/{user-id}/pages**

<http://localhost:5000/user/1/pages>

- **Update**
  - Email → Updates email of the user

PUT request to /user/{user-id}

```
curl -v -H "Content-Type: application/json" \  
-X PUT http://localhost:5000/user/1 \  
-d '{"email": "newmail@gmail.com"}'
```

- **Delete**
  - Deletes a user from Associated Page

DELETE request to /user/{user-id}/pages/{page-id}

```
curl -v -X DELETE http://localhost:5000/user/1/pages/p1
```

- **Create**
  - Profile creation is not supported by API

## FriendList

- **Read**
  - friendlist → Returns list of all friends of current user

GET /user/{user-id}/friendlist

<http://localhost:5000/user/1/friendlist>

## Posts

- **Read**
  - post-id → Reads post of a specific post id

GET /user/{user-id}/posts/{post-id}

<http://localhost:5000/user/1/posts/1>

- **Create**
  - user-id → Id of person on whose wall you are posting

- post → Content of the post

**POST request to /user/{user-id}/post**

```
curl -v -H "Content-Type: application/json" \  
-X POST http://localhost:5000/user/1/post \  
-d '{"userid": "1", "post": "New Post"}
```

- **Delete**

- Delete a post from user's timeline

**DELETE request to /user/{user-id}/posts/{post-id}**

```
curl -v -X DELETE http://localhost:5000/user/1/posts/1
```

- **Update**

- Update a post on user's timeline

**PUT request to /user/{user-id}/post**

```
curl -v -H "Content-Type: application/json" \  
-X PUT http://localhost:5000/user/2/post \  
-d '{"userid": "1", "post": "New Post"}
```

## Page

- **Read**

- id → Page id
- about → About Page
- website → Website of the page
- phone → Contact information of page
- pages → Pages subscribed by Page

**GET request to /page/{page-id}**

<http://localhost:5000/page/1>

**GET request to /page/{page-id}/pages**

<http://localhost:5000/page/1/pages>

- **Update**

- website → Updates pages website

**PUT request to /page/{page-id}**

```
curl -v -H "Content-Type: application/json" \  
-X PUT http://localhost:5000/page/1 \  
-d '{"id": "1", "website": "New Post"}
```

- **Delete**
  - Delete an associated page

**DELETE request to /page/{page-id}/{page-to-be-deleted}**

```
curl -v -X DELETE http://localhost:5000/page/1/2
```

## Photos

- **Read**
  - photo-id → Gets photo from Photo id

**GET request to /user/{user-id}/photos/{photo-id}**

```
http://localhost:5000/user/1/photos/1
```

- **Create**
  - photo → Photo Content
  - albumid → Id of album in which

**POST request to /user/{user-id}/photos**

```
curl -v -H "Content-Type: application/json" \  
-X POST http://localhost:5000/user/1/photos \  
-d '{"photo": "New Photo", "albumid": "New Post"}
```

- **Update**
  - Update an already existing pic
  - id → Photo id to be updated
  - photo → Content of photo

**PUT request to /user/{user-id}/photos/{photo-id}**

```
curl -v -H "Content-Type: application/json" \  
-X PUT http://localhost:5000/user/1/photos/1 \  

```

```
-d '{"id": "1", "photo": "New Pic"}
```

- **Delete**
  - photo-id → Deletes photo of that specific id

**DELETE request to /user/{user-id}/photos/{photo-id}**

```
curl -v -X DELETE http://localhost:5000/user/1/photos/1
```

## Albums

- **Read**
  - album-id → Gets album of given album-id

**GET request to /user/{user-id}/albums/{album-id}**

```
http://localhost:5000/user/1/albums/1
```

- **Post**
  - Creates an empty album

**POST request to /user/{user-id}/albums**

```
curl -v -H "Content-Type: application/json" \  
-X POST http://localhost:5000/user/1/albums \  
-d '{"id": "3"}
```

## Client / Simulator

Simulator behavior : 20% users are active at a given time.

Every user performs average of two activities.

Reference taken from <https://zephoria.com/top-15-valuable-facebook-statistics/>

The simulator mimics the actual functionality of Facebook in real life.