

## 1. User Sign Up

Endpoint: `/api/signup/`

Method: POST

Permissions: Public access

Request Body:

```
{  
  
  "name": "user1",  
  
  "password": "password123",  
  
  "email": "user1@example.com"  
}
```

Response:

- Status Code: 201 Created

```
{  
  
  "message": "User Created",  
  
  "User": {  
  
    "id": 1,  
  
    "name": "user1",  
  
    "password": "password123",  
  
    "email": "user1@example.com"  
  }  
}
```

```
"name": "user1",  
  
"email": "user1@example.com"
```

## 2. User Login

Endpoint: `/api/login/`

Method: POST

Permissions: Public access

Request Body:

```
"email": "user1@gmail.com",  
  
"password": "password123"  
}
```

Response:

- Status Code: 200 OK

```
{
```

```
  "message": "Login successful",

  "user": {

    "id": 1,

    "name": "user1",

    "email": "user1@example.com"

  },

  "access": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...",

  "refresh": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
```

```
}
```

### 3. Token Refresh

Endpoint: `/token-refresh/`

Method: POST

Permissions: Public access

Request Body:

```
{

  "refresh": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
```

```
}
```

Response:

- Status Code: 200 OK

```
{
```

```
  "access" : "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
```

```
  "refresh" : "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
```

```
}
```

## 4. User Logout

Endpoint: `/api/logout/`

Method: POST

Permissions: Authenticated users only

Request Body:

```
{
```

```
  "refresh_token" : "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
```

```
}
```

Response:

- Status Code: 205 Reset Content

```
{  
  
  "message": "Logout successfully"  
  
}
```

## 5. Get User Details

Endpoint: `/api/users/<int:id>/`

Method: GET

Permissions: Authenticated users only

Response:

- Status Code: 200 OK

```
{  
  
  "id": 1  
  
}
```

```
"name": "user1",  
  
"email": "user1@example.com"  
}
```

## 6. Update User Details

Endpoint: `/api/users/<int:id>/`

Method: PATCH

Permissions: Authenticated users only

Request Body:

```
{  
  
  "name": "new_name"  
}
```

Response:

- Status Code: 200 OK

```
"id": 1,  
  
"name": "new_username",  
  
"email": "user1@example.com"  
}
```

## 7. Create a New Post

Endpoint: `/api/posts/`

Method: POST

Permissions: Authenticated users only

Request Body:

```
"content": "The content of the post"
```

Response:

- Status Code: 201 Created

```
"message": "Created"  
"Post":  
  "id": 1  
  "content": "The content of the post"
```

```
"user_id" 1
"post_date" "2023-07-03T10:00:00Z"
```

## 8. Get a Specific Post

Endpoint: `/api/posts/<int:post_id>/`

Method: GET

Permissions: Owner of the post or read-only access

Response:

- Status Code: 200 OK

```
"id" 1
"content" "The content of the post"
"user_id" 1
"post_date" "2023-07-03T10:00:00Z"
```

## 9. Update a Specific Post

Endpoint: `/api/posts/<int:post_id>/`

Method: PATCH

Permissions: Owner of the post

Request Body:

```
"content" "Updated content of the post"
```



Response:

- Status Code: 200 OK

```
"id" 1
"content" "Updated content of the post"
"user_id" 1
"post_date" "2023-07-03T10:00:00Z"
```

## 10. Delete a Specific Post

Endpoint: `/api/posts/<int:post_id>/`

Method: DELETE

Permissions: Owner of the post

Response:

- Status Code: 204 No Content

## 11. Get All Posts

Endpoint: `/api/posts/all`

Method: GET

Permissions: Public access

Response:

- Status Code: 200 OK

```
"id" 1
"content" "The content of the first post"
"user_id" 1
"post_date" "2023-07-03T10:00:00Z"
```

```
"id" 2
"content" "The content of the second post"
"user_id" 2
"post_date" "2023-07-03T11:00:00Z"
```