

# Profile Service API Documentation

## Overview

The Profile Service provides endpoints for users to manage their profiles, including personal information, preferences, and followed content.

## Endpoints

### Create Profile [POST /api/profiles]

Create a new user profile.

#### Request

```
POST /api/profiles
Content-Type: application/json

{
  "userId": "user123",
  "firstName": "John",
  "lastName": "Doe",
  "email": "john@example.com",
  "bio": "Software engineer with a passion for coding.",
  "preferences": {
    "theme": "dark",
    "language": "en"
  }
}
```

- **userId**: The ID of the user.
- **firstName**: The first name of the user.
- **lastName**: The last name of the user.
- **email**: The email address of the user.
- **bio**: (Optional) A brief biography of the user.
- **preferences**: (Optional) User preferences, such as theme and language.

#### Response

Upon successful profile creation, the server responds with a status code of **201 Created** and returns the created profile.

```
HTTP/1.1 201 Created
Content-Type: application/json
```

```
{
  "userId": "user123",
  "firstName": "John",
  "lastName": "Doe",
  "email": "john@example.com",
  "bio": "Software engineer with a passion for coding.",
  "preferences": {
    "theme": "dark",
    "language": "en"
  }
}
```

## Update Profile [PUT /api/profiles/{userId}]

Update an existing user profile.

### Request

```
PUT /api/profiles/user123
Content-Type: application/json
```

```
{
  "firstName": "John",
  "lastName": "Doe",
  "bio": "Senior software engineer with extensive experience.",
  "preferences": {
    "theme": "light"
  }
}
```

- **userId**: The ID of the user.
- **firstName**: (Optional) The updated first name of the user.
- **lastName**: (Optional) The updated last name of the user.
- **bio**: (Optional) The updated biography of the user.
- **preferences**: (Optional) Updated user preferences.

### Response

Upon successful profile update, the server responds with a status code of **200 OK** and returns the updated profile.

```
HTTP/1.1 200 OK
```

Content-Type: application/json

```
{
  "userId": "user123",
  "firstName": "John",
  "lastName": "Doe",
  "email": "john@example.com",
  "bio": "Senior software engineer with extensive experience.",
  "preferences": {
    "theme": "light",
    "language": "en"
  }
}
```