

# DU3 Project API: Documentation

## Introduction

This is the documentation for the DU3 Project.

With this API it is possible to set up a register of users, retrieve data from these users, upload image files and retrieve these to display on the website.

## Resource Formats

The default resource format is JSON (`application/json`).

## Prefix

All Endpoints (i.e. resources) need to be prefixed with:

[API/](#)

Example: [API/login.php](#)

## Resources

### **register.php (POST)**

*Add a new user to the register*

The body of the request must have the structure:

```
{
    "username": username (string),
    "password": password (string)
}
```

The resource from the request has the form:

```
{
    "id": user id (int),
    "username": username (string),
    "profilepicture": image path (string),
    "outfits": [array containing objects of outfits]
}
```

Possible values of status code and response feedback:

Status Code	Message
405	Only POST-method is allowed!
409	The username is already taken
400	Username or password can not have empty values
400	Username or Password needs to be at least 3 characters long
400	You have not selected a profile picture

## login.php (POST)

*Check if user exists in the register*

The body of the request must have the structure:

```
{
  "username": username (string),
  "password": password (string)
}
```

The resource from the request has the form:

```
{
  "id": user id (int),
  "username": username (string),
  "profilepicture": image path (string),
  "outfits": [array containing objects of outfits]
}
```

Possible values of status code and response feedback:

Status Code	Message
405	Only POST-method is allowed!
404	User not found
400	Empty values, please write a username and password.
400	Password is incorrect

## edit\_profile.php (PATCH)

### *Edit password*

Body of the request must have the structure:

```
{
  "oldPassword": old password (string),
  "newPassword": new password (string),
  "userName": username (string)
}
```

The resource from the request has the form:

```
{
  "message": "Password updated successfully!"
}
```

Possible values of status code and response feedback:

Status Code	Message
405	Only PATCH-method is allowed
4155	Content type needs to be JSON
400	Password can not have empty values
400	New password needs to be at least 3 characters
400	Your new password can NOT be the same as your old password!
400	Old password is incorrect!

## edit\_profile\_pic.php (PATCH)

### *Edit profile picture*

Body of the request must have the structure:

```
{
  "profilePic": current profile picture (string),
  "userName": username (string)
}
```

The resource from the request has the form:

```
{
  "newProfilePic": selected profile picture (string),
  "message": "Profile picture has been updated successfully!"
}
```

Possible values of status code and response feedback:

Status Code	Message
405	Only PATCH-method is allowed
415	Content type needs to be JSON
400	You have not selected a new profile pic

## **digiwars\_wardrobe.php (GET & PATCH)**

### ***Retrieve clothing items (GET)***

Request: [API/digiwars\\_wardrobe.php](#)

The resource from the request has the form:

```
{
  "tops": [array containing objects of tops],
  "bottoms": [array containing objects of bottoms],
  "shoes": [array containing objects of shoes]
}
```

An object in the tops/bottoms/shoes array has the form:

```
{
  "path": image path (string),
  "id": [array of user ids that has access to the clothing item]
}
```

### ***Give user access to a clothing item (PATCH)***

Body of the request must have the structure:

```
{
  "id": user id (int),
  "path": image path (string),
  "file": filename (ex. "tops.json")
}
```

The resource from the request has the form:

```
{
  "message": "The item has been successfully added to your wardrobe!",
  "ok": true
}
```

Possible values of status code and response feedback:

Status Code	Message
400	Some data seems to be missing... please check if all data was sent
418	Something went wrong... please try again!

## **your\_wardrobe.php (POST & DELETE)**

*Retrieve clothing items that belongs to user (POST)*

Body of the request must have the structure:

```
{
    "id": user id
}
```

The resource from the request has the form:

```
{
    "tops": [array containing objects of tops],
    "bottoms": [array containing objects of bottoms],
    "shoes": [array containing objects of shoes]
}
```

Possible values of status code and response feedback:

Status Code	Message
400	User id was not sent...

*Upload an image file/clothing item (POST with form that includes an input type file)*

Body of the request must have the structure:

```
{
    "id": user id (int),
    "file": filename (ex. "tops.json")
}
```

The resource from the request has the form:

```
{
    "message": "The item has been added successfully!",
    "path": image path (string),
    "ok": true
}
```

Possible values of status code and response feedback:

Status Code	Message
400	No category was selected... please select a category.
418	Something went wrong with uploading the item... please try again!

### ***Delete a clothing item (PATCH)***

Body of the request must have the structure:

```
{
  "id": user id (int),
  "filename": uploaded filename (string),
  "file": filename (ex. "tops.json"
}
```

The resource from the request has the form:

```
{
  "message": "The item has been successfully deleted!",
  "ok": true
}
```

Possible values of status code and response feedback:

Status Code	Message
400	Some data seems to be missing... please check if all data was sent
418	Something went wrong... please try again!

### **new\_outfit.php (POST & DELETE)**

#### ***Create an outfit (POST)***

Body of the request must have the structure:

```
{
  "styles": [array containing strings],
  "userID": user id (int),
  "top": image path for top (string),
  "bottom": image path for bottom (string),
  "shoe": image path for shoe (string),
  "backgroundColor": color code (string),
  "description": a description of the outfit (string)
}
```

The resource from the request has the form:

```
{
  "message": "The outfit has been created"
}
```

Possible values of status code and response feedback:

Status Code	Message	Note
400	You must choose a style!	If an empty styles array is sent, the server will send a response with status 400 (Bad Request).

### ***Delete an outfit (DELETE)***

Body of the request must have the structure:

```
{
  "userID": user id (int),
  "outfitID": outfit id (int)
}
```

The resource from the request has the form:

```
{
  "message": "Outfit deleted successfully"
}
```

### **profilepics.php (GET)**

*Retrieve profile pictures*

**Request:** [API/profilepics.php](#)

The resource from the request has the form:

[an array containing of strings with URL of the profile pictures]

### **users.php (GET)**

*Retrieve all the users*

**Request:** [API/users.php](#)

The resource from the request has the form:

```
[
  {
    "username": username (string),
    "id": user id (int),
```

```
    "profilepicture": image path (string)
    "outfits": [array containing objects of outfits]
  }, {...}, {...}
]
```

An object in the outfit array has the form:

```
{
  "styles": [array containing strings],
  "userID": user id (int),
  "top": image path for top (string),
  "bottom": image path for bottom (string),
  "shoe": image path for shoe (string),
  "backgroundColor": color code (string),
  "description": a description of the outfit (string)
}
```