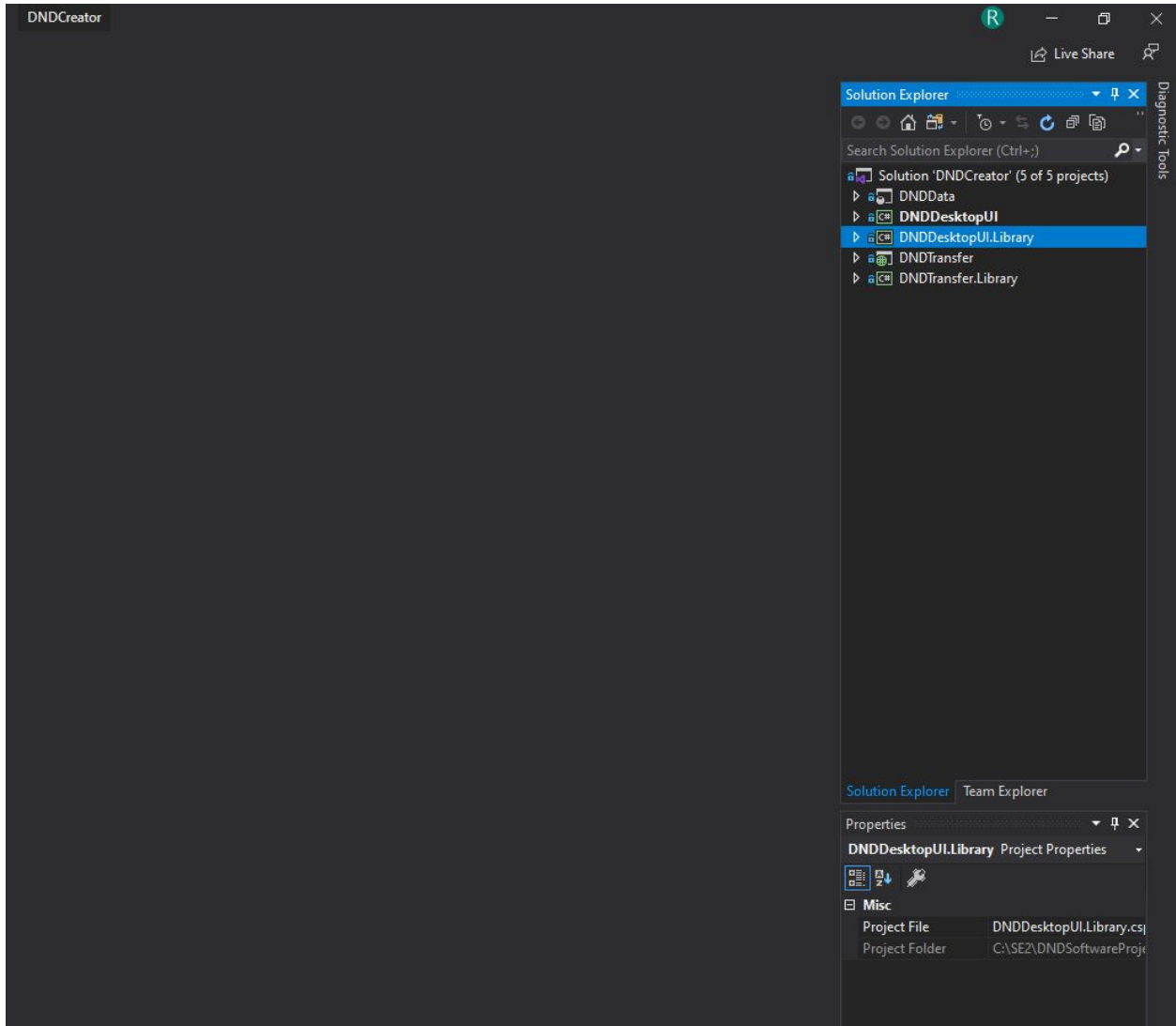
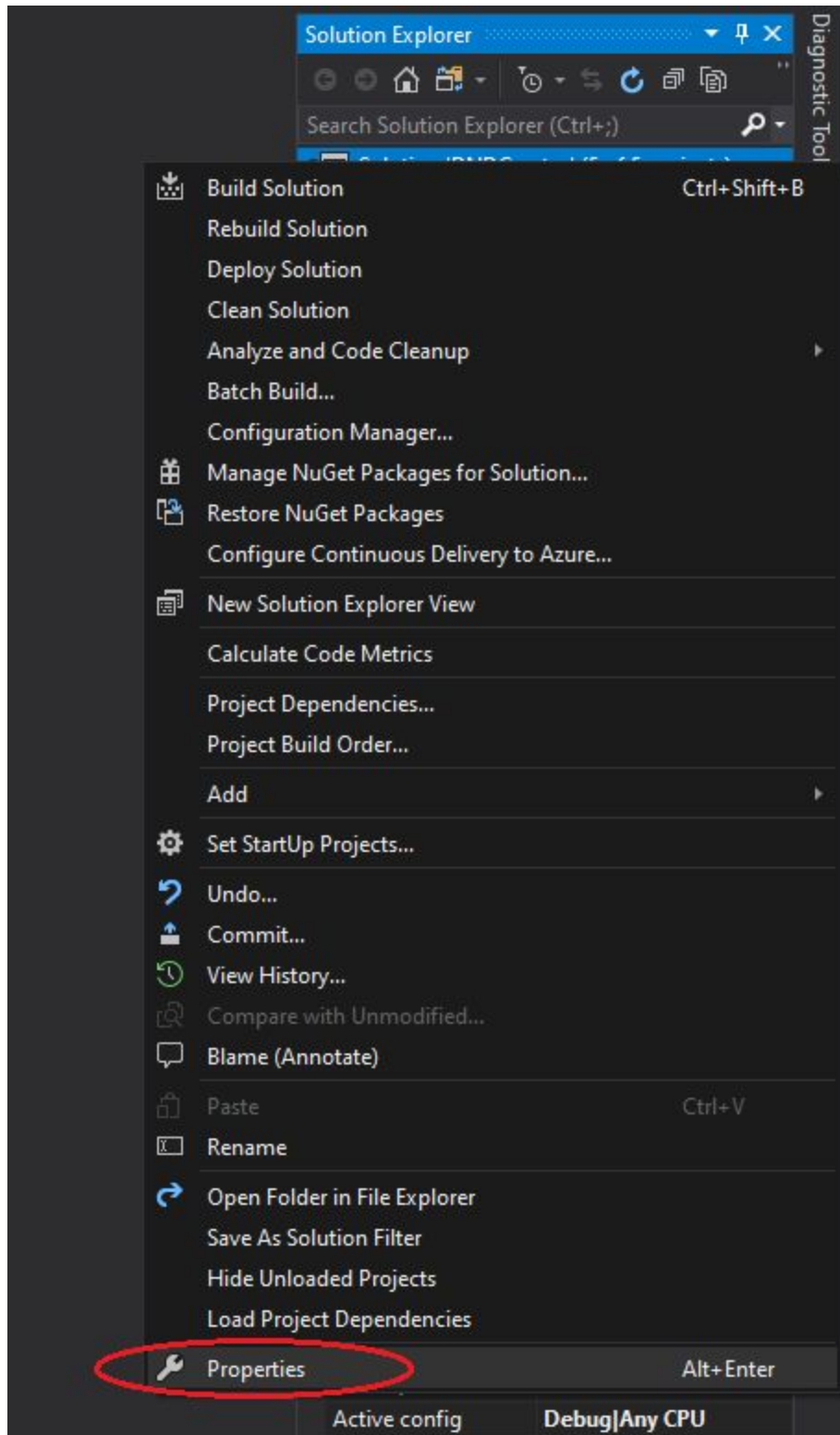


Function 1. Setup and Logging in:

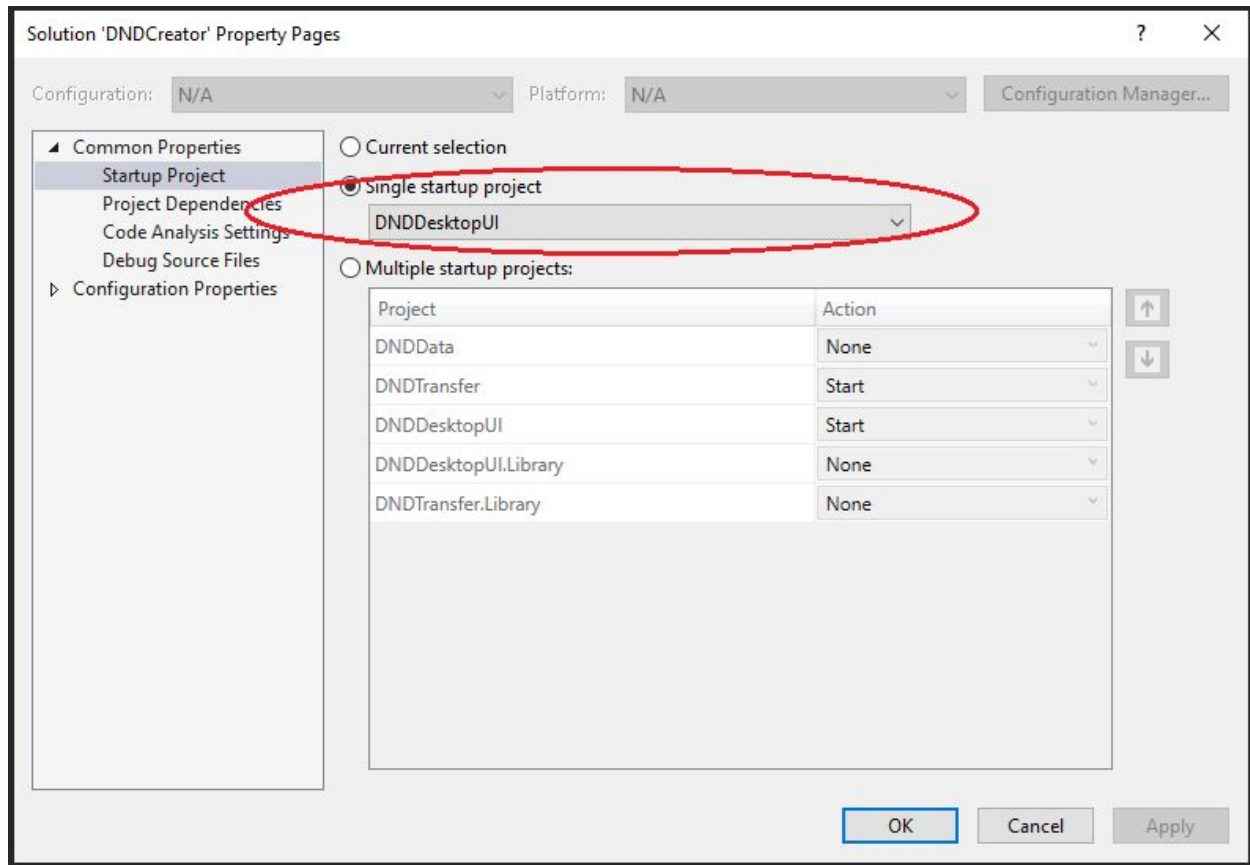
1. Be sure to clone the resources of the DND Character Creator [here](#).
 - a. Be sure you are on the master branch of the project.
2. Open the solution with either Visual Studio 2017 or 2019.
 - a. You should see something like this below:



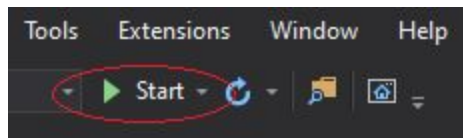
3. Right click on Solution 'DNDCreator' and select "properties".
 - a. You should see this screen:



4. Make sure you **only** have the **DNDDesktopUI** as the startup project.



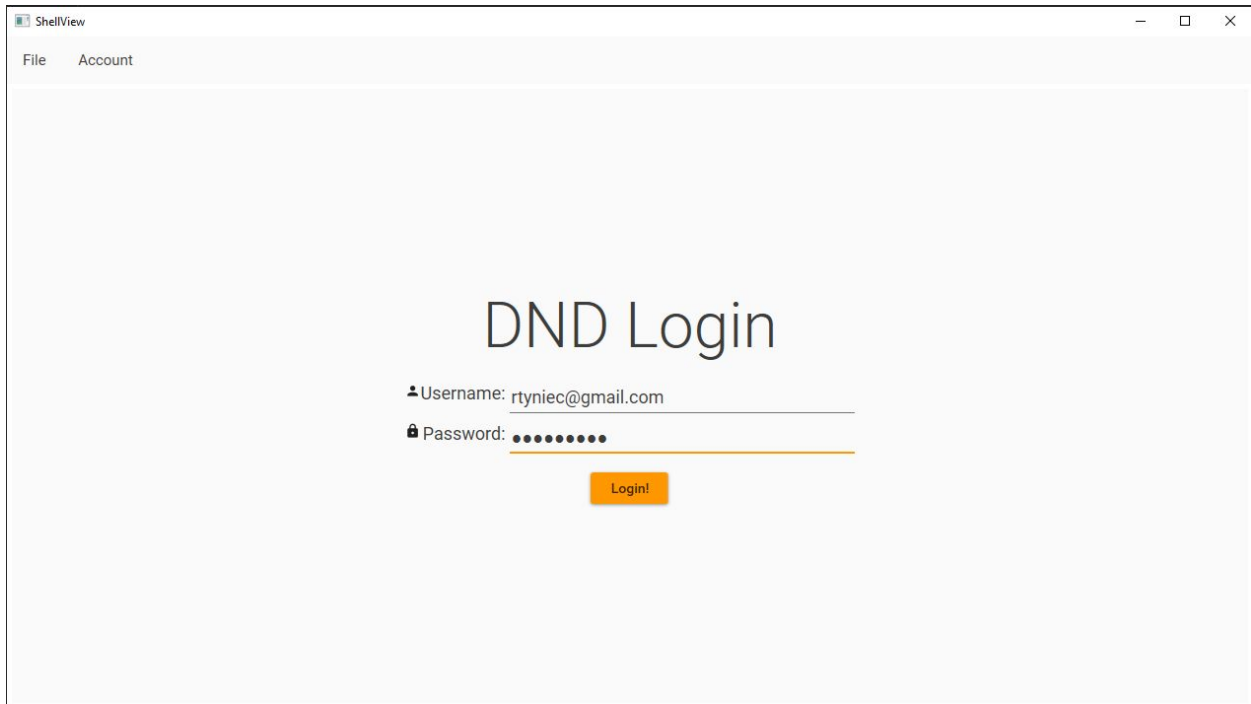
5. Click the green start button at the top to run the software.



6. Enter these credentials:

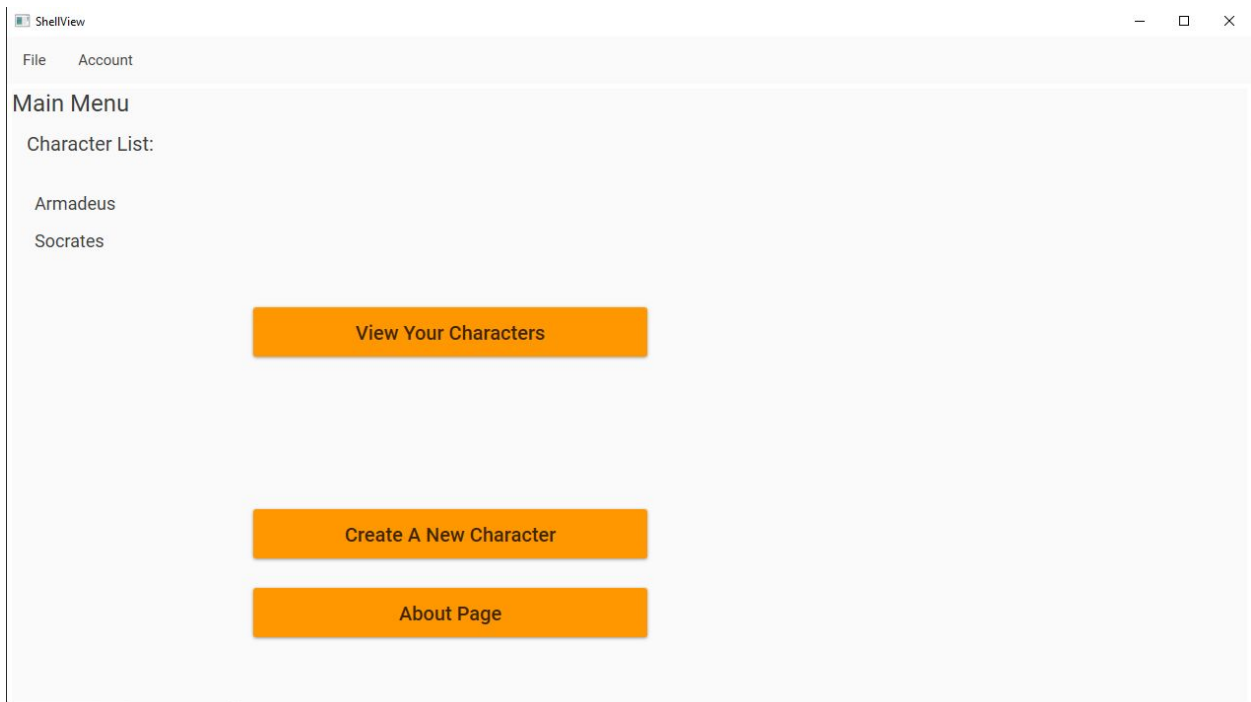
a. Username: rtyniec@gmail.com

b. Password: Pwd12345. (period is in password)



The screenshot shows a web browser window titled "ShellView" with a menu bar containing "File" and "Account". The main content area displays "DND Login" in a large font. Below this, there are two input fields: "Username: rtyniec@gmail.com" and "Password: " followed by a series of dots. An orange "Login!" button is positioned below the password field.

7. Click the login button. If successful, you should see this screen:

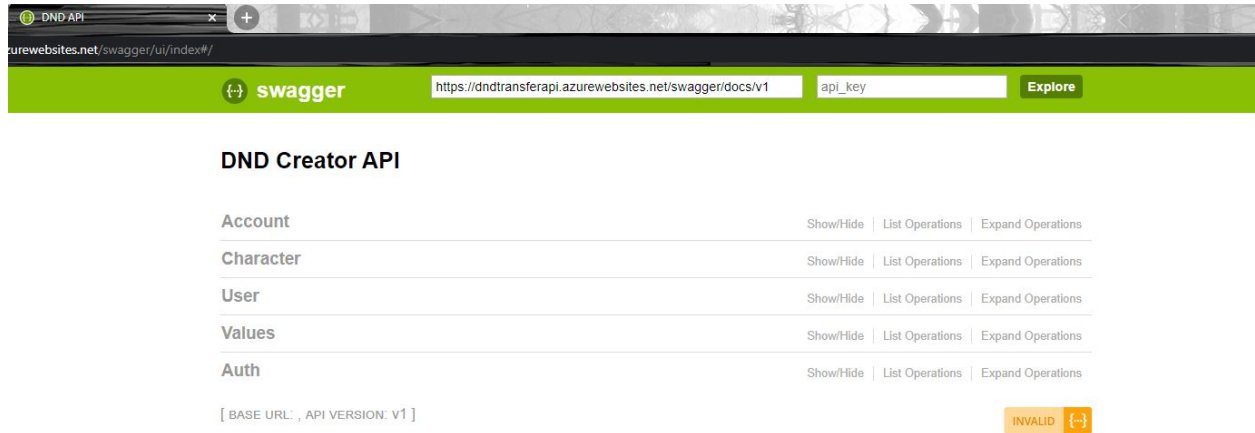


The screenshot shows the same web browser window titled "ShellView" with the menu bar "File" and "Account". The main content area displays "Main Menu" in a large font. Below this, there is a section titled "Character List:" followed by the names "Armadeus" and "Socrates". At the bottom of the screen, there are three orange buttons: "View Your Characters", "Create A New Character", and "About Page".

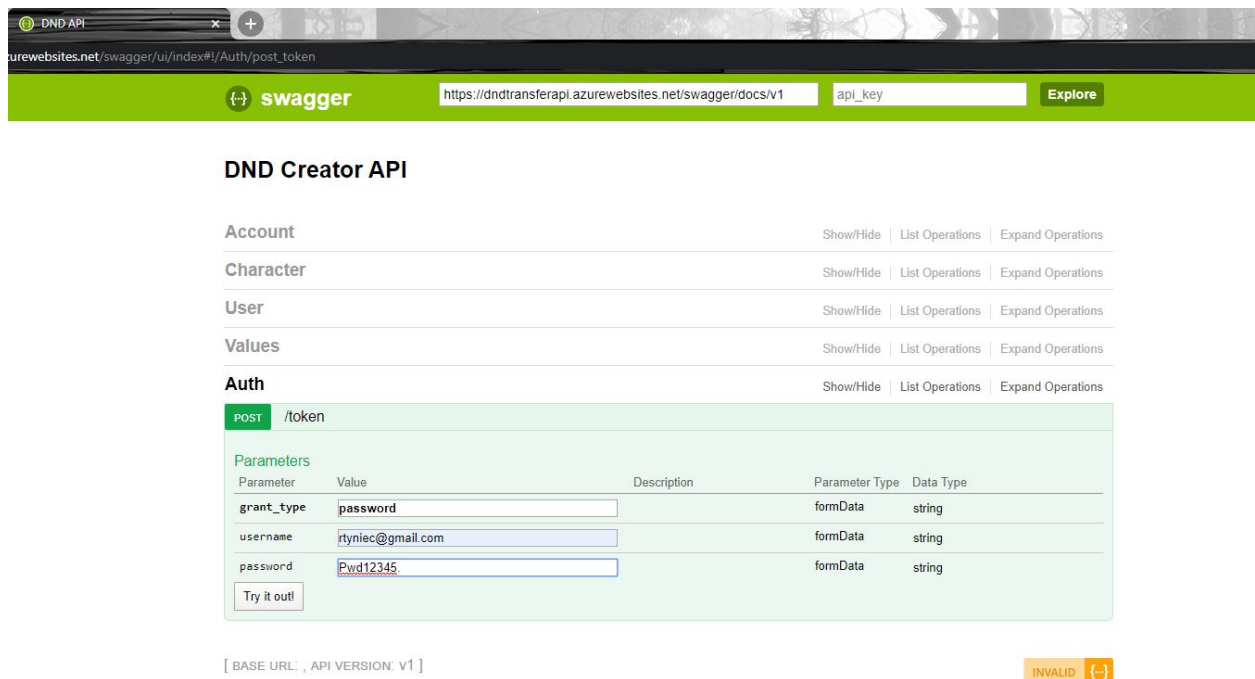
- a. NOTES: your computer must be online for the program to work properly.
- b. Character data is also on the main screen, which was transmitted by the API. Next, we will see how to get character data using the API directly.

Function 2. Get Character Data From the API Directly

1. Go to the API by clicking [here](#).
 - a. You should see this:



2. Click on the **Auth** controller. Type in rtyniec@gmail.com as the username and **Pwd12345** as the password. Click the “Try it out!” Button.
 - a. You should see this:



3. Upon successful authentication, you will get an access token. Be sure to copy the full access token.
 - a. Successful authentication:

Auth

Show/Hide | List Operations | Expand Operations

POST /token

Parameters

Parameter	Value	Description	Parameter Type	Data Type
grant_type	<input type="text" value="password"/>		formData	string
username	<input type="text" value="rtyniec@gmail.com"/>		formData	string
password	<input type="text" value="Pwd12345."/>		formData	string

Try it out!

[Hide Response](#)

Curl

```
curl -X POST --header 'Content-Type: application/x-www-form-urlencoded' --header 'Accept: application/json' -d 'grant_type=password'
```

Request URL

https://dndtransferapi.azurewebsites.net/token

Response Body

```
{
  "access_token": "5x1_gP076fj61jIEvnDXBtJ5jcDqQ9Qr91_C9uzUYIZ0Fu418wjWNVn72_fw450Rgdj4buD_LCArwwq71XsH83dCGK_tuRsOAEuLVNrVanMd",
  "token_type": "bearer",
  "expires_in": 1209599,
  "userName": "rtyniec@gmail.com",
  ".issued": "Sun, 10 May 2020 17:41:17 GMT",
  ".expires": "Sun, 24 May 2020 17:41:17 GMT"
}
```

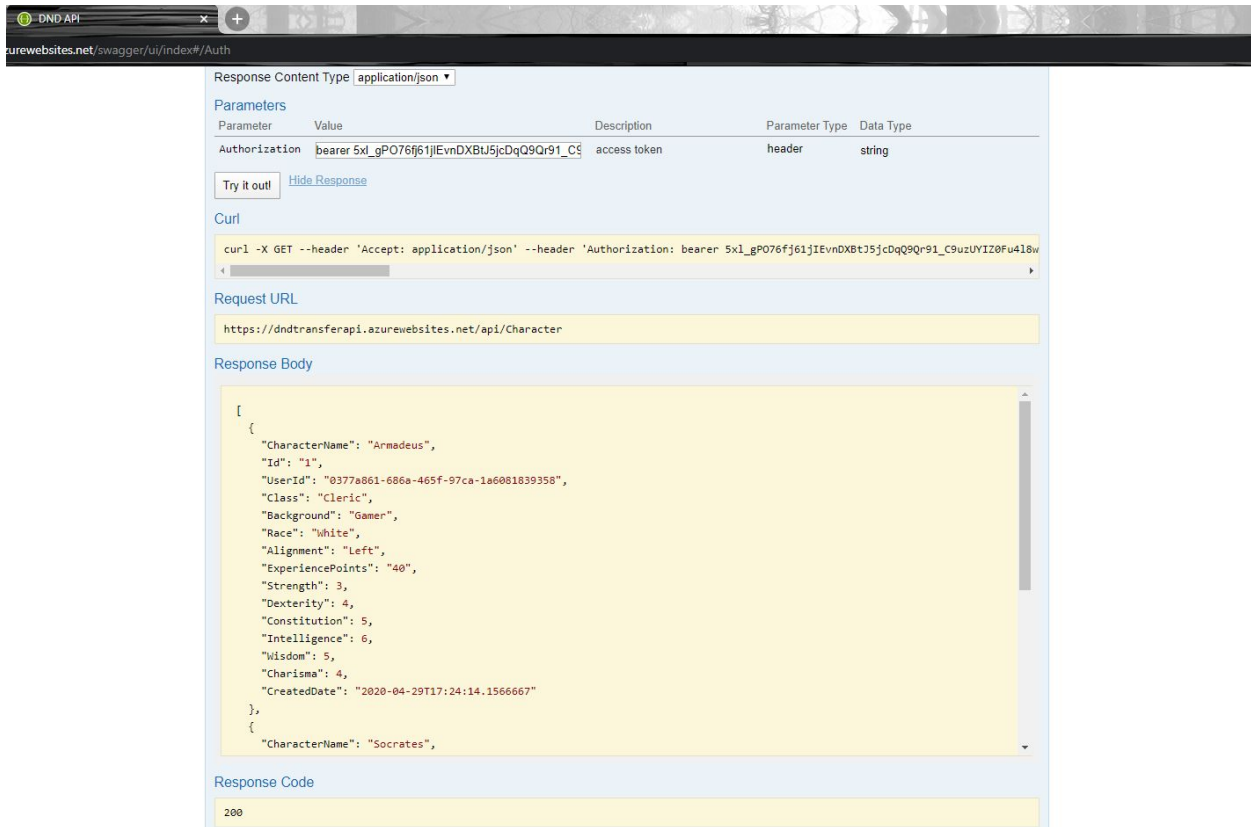
Response Code

200

Response Headers

```
{
  "cache-control": "no-cache",
  "content-encoding": "gzip",
  "content-length": "820",
  "content-type": "application/json; charset=UTF-8",
  "date": "Sun, 10 May 2020 17:41:17 GMT",
  "expires": "-1",
  "pragma": "no-cache",
  "server": "Microsoft-IIS/10.0",
  "vary": "Accept-Encoding",
  "x-powered-by": "ASP.NET"
}
```

4. Open the **Character** controller. In the **Authorization** field, type in “bearer”, followed by a space. Paste in your token in its totality.
5. Click the “Try it Out!” button. You should see two characters, named Armadeus and Socrates.
 - a. Character Data:



The screenshot shows the Swagger UI interface for the DND API. The 'Try it Out!' button has been clicked, and the response is displayed in the 'Response Body' section. The response is a JSON array containing two character objects: Armadeus and Socrates.

Parameters

Parameter	Value	Description	Parameter Type	Data Type
Authorization	bearer 5x1_gP076fj61jIEvnDXBU5jcDqQ9Qr91_C5	access token	header	string

Try it out! [Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: bearer 5x1_gP076fj61jIEvnDXBU5jcDqQ9Qr91_C9uzUYIZ0Fu418w'
```

Request URL

```
https://dndtransferapi.azurewebsites.net/api/Character
```

Response Body

```
[
  {
    "CharacterName": "Armadeus",
    "Id": "1",
    "UserId": "0377a861-686a-465f-97ca-1a6081839358",
    "Class": "Cleric",
    "Background": "Gamer",
    "Race": "White",
    "Alignment": "Left",
    "ExperiencePoints": "40",
    "Strength": 3,
    "Dexterity": 4,
    "Constitution": 5,
    "Intelligence": 6,
    "Wisdom": 5,
    "Charisma": 4,
    "CreateDate": "2020-04-29T17:24:14.1566667"
  },
  {
    "CharacterName": "Socrates",

```

Response Code

```
200
```