Server API & Test enpoints

**Request 1- POST /register**

**Request:**

* **URL**: /register
* **Method**: POST
* **Headers**: Content-Type: application/json
* **Body (JSON):**

{

"username": "desiredUsername",

"password": "yourPassword"

}

**Responses**

* **200** OK
* **JSON** array of all users after insertion:

[

{ "id": 1, "username": "food", "password": "ilike", "gif": [] },

…

]

* **409** Conflict
* **Body**:

{ "message": "User already exists" }

**Request 2 - POST /login**

**Request:**

* **URL**: /login
* **Method**: POST
* **Headers**: Content-Type: application/json
* **Body (JSON):**

{

"username": "existingUser",

"password": "correctPassword"

}

**Responses**

* **200** OK:
* **Body**:

{ "message": "Login successful" }

* **400** Bad Request:

When either username or password is missing

* **Body**:

{ "error": "Username and password required!" }

* **404** Not Found

When the username does not exist

* **Body**:

{ "error": "User not found" }

* **401** Wrong password

When the password is incorrect

* **Body**:

{ "error": "Invalid password" }

**Request 3 – POST /save-gif**

**Request:**

* **URL**: /save-gif
* **Method**: POST
* **Headers**: Content-Type: application/json
* **Body (JSON):**

{

"username": "existingUser",

"gifUrl": "https://media.tenor.com/.../funny.gif"

}

**Responses**

* **200** OK
* **Body**:

{ "message": "GIF saved" }

* **404** Not Found

When the username does not exist

* **Body**:

{ "message": "User not found" }

**Request 4- DELETE /delete-gif**

**Request**

* **URL**: /delete-gif
* **Method**: DELETE
* **Headers**: Content-Type: application/json
* **Body (JSON):**

{

"username": "existingUser",

"gifUrl": "https://media.tenor.com/.../funny.gif"

}

**Responses**

* **200** OK
* **Body**:

{ "message": "GIF deleted" }

* **404** Not Found

When the username does not exist

* **Body**:

{ "message": "User not found" }

**Request 5 - GET /get-gifs**

**Request**

* **URL**: /get-gifs**?**username=<username>
* **Method**: GET
* **Query** Parameters: **username** – the user whose saved GIF list you want

**Responses**

* **200** OK
* **Body**: JSON array of saved GIF URLs:

[

"https://media.tenor.com/.../1.gif",

"https://media.tenor.com/.../2.gif",

…

]

* **404** Not Found

When the username does not exist

* **Body**:

{ "message": "User not found" }