

Backend (SCRUM-20)

↳ [SCRUM-22] User profile can be updated with a negative value for the weight field Created: 04/лют./26 Updated: 05/лют./26

Due: 08/лют./26

Status:	In Progress
Project:	WaterTracker
Components:	None
Affects versions:	None
Fix versions:	None
Parent:	Backend

Type:	Bug	Priority:	High
Reporter:	Nat	Assignee:	Nat
Resolution:	Unresolved	Votes:	0
Labels:	API		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Environment:	<ul style="list-style-type: none">Operating System & Version: macOS Sonoma 14.7Browser & Version: Chrome 144.0.7559.110Application Build/Version: 1.0.0Environment Type: Production		

Attachments:	User profile after upd in DB.png User profile before upd in DB.png
Rank:	0 i0003b:
Team:	
Start date:	04/лют./26
Sprint:	SCRUM Sprint 3
Severity:	Critical

Description

Preconditions

1. User account exists and is verified
2. User has successfully signed in
3. A valid JWT authentication token is available
4. User profile exists in the system

```
Atlas atlas-8jegoh-shard-0 [primary] my-water-tracker> db.users.find({"email": "test1@gmail.com"})
[{"_id": ObjectId('697f8d9dddef3137c361ca88'),
  "username": "UpdatedUsername",
  "email": "test1@gmail.com",
  "password": "$2b$10$E3WX7G/TJYoNAY4ym4YpX.E3BhsZvjgAzh6uQnba38Wd5bqbaMmiC",
  "gender": "Woman",
  "token": "eyJhbGciOiJIUzI1NiIsInR5cI6IkpxVCJ9.eyJpZCI6IjY5N2Y4ZDlkZGQ2ZjMzMzdjMzYxY2E4OCIsImIhdCI6MTc3MDE4MjM0MSwiZXhNBjzHKHroEfy6as",
  "dailyWaterNr": 3000,
  "weight": 60,
  "sporttime": 2,
  "verify": true,
  "verificationToken": null,
  "createdAt": ISODate('2026-02-01T17:30:05.744Z'),
  "updatedAt": ISODate('2026-02-04T13:39:24.267Z'),
  "avatarPublicId": "avatars/t6smf4njsokegxtythto",
  "avatarURL": "http://res.cloudinary.com/dbdqgch8e/image/upload/v1769977966/avatars/t6smf4njsokegxtythto.jpg'}
```

Steps to Reproduce

1. Send a PATCH request to update user information
 - Endpoint: /api/users/
 - Method: PATCH
 - Headers:

```
Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9eyJpZCI6IjY5N2Y4ZDlkZGQ2ZjMzMzdjMzYxY2E40CIsImlhcdCI6MTc3MDE4MjM0MSwiZXhwIjoxNzcwMjY1MTQxf0.Mhjjz_mvYoaIPVm3nzl93P3XLqlN8jzHKHrofIfY6asContent-Type: multipart/form-data;
```

- o Request Body:

```
{  
    weight: "-60"  
}
```

2. Observe the response and verify the database.

Expected Result

- **Status Code:** 400 Bad Request
- The response body contains a validation error message
- User profile should NOT be updated

Actual Result

- **Status Code:** 200 OK
- **Response Body:**

```
{  
    "weight": "-60"  
}
```

- User profile is successfully updated with negative weight
- Invalid data is persisted in the database
- No validation error is triggered

```
Atlas atlas-8jeogh-shard-0 [primary] my-water-tracker> db.users.find({"email": "test1@gmail.com"})  
[  
  {  
    _id: ObjectId('697f8d9ddd6f3137c361ca88'),  
    username: 'UpdatedUsername',  
    email: 'test1@gmail.com',  
    password: '$2b$10$E3wX7G/TJYoNAY4ym4YpX.E3BhsZvJgAzh6uQnba38Wd5bqbaMmic',  
    gender: 'Woman',  
    token: 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9eyJpZCI6IjY5N2Y4ZDlkZGQ2ZjMzMzdjMzYxY2E40CIsImlhcdCI6MTc3MDE4MjM0MSwiZXhwIjoxNzcwMjY1MTQxf0.Mhjjz_mvYoaIPVm3nzl93P3XLqlN8jzHKHrofIfY6as',  
    dailyWaterNorm: 2000,  
    weight: -60,  
    sportTime: 2,  
    verify: true,  
    verificationToken: null,  
    createdAt: ISODate('2026-02-01T17:30:05.744Z'),  
    updatedAt: ISODate('2026-02-04T13:40:57.565Z'),  
    avatarPublicId: 'avatars/t6smf4njsokegxtythto',  
    avatarURL: 'http://res.cloudinary.com/dbbqch8e/image/upload/v1769977966/avatars/t6smf4njsokegxtythto.jpg'  
  }  
]
```

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