### **🚀 Phase 1.3: Creating Services**

#### **Step 1: Create User DTOs**

First, create DTOs (Data Transfer Objects) for user registration and login.

#### **Step 2: Create User Service**

#### **Step 3: Create Space Service**

#### **Step 4: Add Password Encoder to SecurityConfig**

****Phase 1.4: Creating Controllers****

### **🎛️ Phase 1.4: Creating Controllers**

#### **Step 1: Create Auth Controller**

#### **Step 2: Create Space Controller**

#### **Step 3: Create Space DTO**

### **🧪 Phase 1.5: Testing the APIs**

#### **Step 1: Test the Registration Endpoint**

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Let's test if our user registration works.

Open your browser and go to

<http://localhost:8080/api/auth/check-username/testuser>

You should see:

{"available": true}

Now test with a username that exists (let's say "admin"):

<http://localhost:8080/api/auth/check-username/admin>

You should see:

{"available": false}

#### **Step 2: Test Email Availability**

1. Test email availability:

http://localhost:8080/api/auth/check-email/test@example.com

1. You should see:

{"available": true}