

 **Authentication & User Management API Documentation****Base URL:**

http://127.0.0.1:8000/api/accounts/

1 Register User

Description: Register a new user. Sends an activation email.

Method: POST

URL: /register/

Request Body (JSON):

```
{  
    "full_name": "John Doe",  
    "email": "john@example.com",  
    "password": "StrongPass123!",  
    "education": "Computer Science",  
    "experience_level": "Fresher",  
    "preferred_track": "Web Development"  
}
```

Response Example (200 OK):

```
{  
    "detail": "User registered successfully. Please check your email for activation link."  
}
```

Notes:

- The user is inactive until activated via email.
 - Password must follow Django password validation rules.
-

2 Activate Account

Description: Activate a newly registered account using a link from email.

Method: GET

URL: /activate/<uidb64>/<token>/

Response Example (200 OK):

```
{  
    "detail": "Account activated successfully"  
}
```

Notes:

- Use the activation link sent via email.
 - Invalid or expired links return 400.
-

3 Login (JWT Token)

Description: Authenticate user and get access + refresh tokens.

Method: POST

URL: /login/

Request Body (JSON):

```
{  
    "email": "john@example.com",  
    "password": "StrongPass123!"  
}
```

Response Example (200 OK):

```
{  
    "access": "<access_token>",  
    "refresh": "<refresh_token>",  
    "user": {  
        "id": 1,  
        "name": "John Doe",  
        "email": "john@example.com",  
        "password": "StrongPass123!",  
        "created_at": "2023-10-01T12:00:00Z",  
        "updated_at": "2023-10-01T12:00:00Z",  
        "is_active": true  
    }  
}
```

```
"email": "john@example.com",
"full_name": "John Doe",
"role": "student",
"is_active": true,
"date_joined": "2025-11-12T12:00:00Z"

}
}
```

Notes:

- Use access token for authenticated requests.
 - refresh token is used for refreshing access token.
-

4 Token Refresh

Description: Refresh access token using refresh token.

Method: POST

URL: /token/refresh/

Request Body (JSON):

```
{
  "refresh": "<refresh_token>"
}
```

Response Example (200 OK):

```
{
  "access": "<new_access_token>"
}
```

Notes:

- Do not send access token here. Only refresh token.
-

5 Logout

Description: Logout user by blacklisting refresh token.

Method: POST

URL: /logout/

Headers:

Authorization: Bearer <access_token>

Request Body (JSON):

```
{  
    "refresh": "<refresh_token>"  
}
```

Response Example (200 OK):

```
{  
    "detail": "Logged out successfully"  
}
```

Notes:

- After logout, the refresh token cannot be used.
- Access token can still be valid until it expires.

6 Password Reset Request

Description: Send a password reset link via email.

Method: POST

URL: /password-reset/

Request Body (JSON):

```
{  
    "email": "john@example.com"  
}
```

Response Example (200 OK):

```
{  
    "detail": "If that account exists, an email has been sent."  
}
```

Notes:

- Does not reveal if email exists for security.
 - Reset link expires according to Django default token lifetime.
-

7 Password Reset Confirm

Description: Reset password using link from email.

Method: POST

URL: /password-reset-confirm/<uidb64>/<token>/

Request Body (JSON):

```
{  
    "new_password": "NewStrongPass123!"  
}
```

Response Example (200 OK):

```
{  
    "detail": "Password has been reset successfully"  
}
```

Notes:

- Use the link from email.
 - Invalid or expired link returns 400.
-

8 Admin Invite

Description: Invite a user to become an admin. Admin must be logged in.

Method: POST

URL: /admin-invite/

Headers:

Authorization: Bearer <admin_access_token>

Request Body (JSON):

```
{  
  "email": "newadmin@example.com"  
}
```

Response Example (200 OK):

```
{  
  "detail": "Invitation sent successfully"  
}
```

Notes:

- Email contains a registration link valid for 2 hours.
 - Only admin users can invite other admins.
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Admin Registration via Invite

Description: Register a new admin using invite token. Can also **promote existing user to admin**.

Method: POST

URL: /admin-register/<token>/

Request Body (JSON):

```
{  
  "password": "AdminPass123!"  
}
```

Response Example (201 Created):

```
{
```

```
"detail": "Admin account created successfully. Now click here to login."
```

```
}
```

Response Example (200 OK) if user promoted:

```
{
```

```
"detail": "User promoted to admin successfully. Now click here to login."
```

```
}
```

Notes:

- Invite link must not be expired or used.
 - Sends login information via email.
-

Quick Postman Tips

1. **Login → Get access & refresh token**
 2. **Use access token in Authorization: Bearer <access_token>** for endpoints requiring authentication.
 3. **Use refresh token only for logout & token refresh.**
 4. **Copy links from Celery logs** for account activation, password reset, and admin registration.
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This document is **concise, ready for Postman testing**, and covers **all endpoints clearly with example payloads and responses**.