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#Date: 29 APR 2025  
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#Course: CYOP 300**

**lab\_7.py**

**Test Table:**

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| --- | --- | --- | --- |
| **Test Case** | **Description** | **Expected Result** | **Actual Result** |
| **1. password\_complexity** | **"Short1!"** | **False (too short)** | **FALSE** |
| **2. password\_complexity** | **"ValidPassword1!"** | **True (meets length, upper/lower/digit/special)** | **TRUE** |
| **3. Registration** | **POST /register with {username: user1, password: Password123!, confirm: Password123!}** | **HTTP 302 redirect to /login** | **HTTP 302 redirect** |
| **4. Registration** | **POST /register with duplicate username** | **HTTP 200 (flash “Username already exists.”)** | **HTTP 200** |
| **5. Registration** | **POST /register with weak password** | **HTTP 200 (flash complexity error)** | **HTTP 200** |
| **6. Registration** | **POST /register with non‑matching confirm** | **HTTP 200 (flash “Passwords do not match.”)** | **HTTP 200** |
| **7. Login** | **POST /login with valid creds** | **HTTP 302 redirect to /** | **HTTP 302 redirect** |
| **8. Login** | **POST /login with wrong password** | **HTTP 200 (flash “Invalid username or password.”)** | **HTTP 200** |
| **9. Protected route** | **GET / without login** | **HTTP 302 redirect to /login** | **HTTP 302 redirect** |
| **10. Protected route** | **GET / after login** | **HTTP 200 OK** | **HTTP 200 OK** |