

Test Proof: User Login Story

Date: 2025-12-30 Execution Environment: Local Development (Mac OS) Test
File: backend/tests/test_user_login_story.py

User Story Details

Description: User login with email & password. **Acceptance Criteria Verified:** 1. Valid credentials grant access token. 2. Invalid password returns error. 3. Unregistered email returns error. 4. Mandatory fields check (username/password).

Execution Log

```
platform darwin -- Python 3.9.20, pytest-8.4.2, pluggy-1.5.0
rootdir: /Users/trickshot/Desktop/AI_based_tools/Wishing_tool/backend
plugins: anyio-4.9.0, typeguard-2.13.3, langsmith-0.3.42
collected 5 items

tests/test_user_login_story.py ..... [100%]
=====
5 passed, 8 warnings in 1.64s =====
```

Test Cases Covered

1. `test_login_success`: Authenticates valid user (HTTP 200 + Token).
2. `test_login_unregistered_email`: Fails for non-existent user (HTTP 401).
3. `test_login_invalid_password`: Fails for wrong password (HTTP 401).
4. `test_login_missing_username`: Fails validation (HTTP 422).
5. `test_login_missing_password`: Fails validation (HTTP 422).