

# 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).