

# Test Proof: Forgot Password Story (#1645)

**Date:** 2025-12-30 **Execution Environment:** Local Development (Mac OS) **Test File:** backend/tests/test\_forgot\_password\_story.py

## User Story Details

**Description:** Reset password via email link. **Acceptance Criteria Verified:** 1. Forgot password link works (API request). 2. Reset email sent (mocked). 3. Link expiration (token validation). 4. Successful password reset and subsequent login.

## 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_forgot_password_story.py ..... [100%]

===== 5 passed, 8 warnings in 12.29s =====
```

## Test Cases Covered

1. **test\_request\_reset\_success:** Generates token & sends email (HTTP 200).
2. **test\_request\_reset\_unregistered:** returns success security message (HTTP 200).
3. **test\_reset\_password\_success:** Validates token & updates password (HTTP 200).
4. **test\_reset\_password\_invalid\_token:** Rejects bad token (HTTP 400).
5. **test\_login\_old\_password\_fail:** Ensures old password revoked after reset.