

EduTrack v2 Test Report

EduTrack

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ENSE 400 Capstone Project / First Semester Fall24

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Test Summary

Tester Name: Bilal Alissa

Project Name: EduTrack v2

Objective: To verify the functionality of core features, including user registration, login, logout, reminder management, and data retrieval, to ensure compliance with the defined requirements.

Test Details

Note: To run the test successfully do these steps first:

- 1- Store project files into “/Applications/XAMPP/xamppfiles/htdocs/**EduTrack**”.
- 2- Run “Apache Web Server” AND “MySQL Database”.
- 3- Open the browser and type “localhost” and hit return or Enter.
- 4- Go to phpMyAdmin.
- 5- Create the database: Import SQL database file “EduTrack-DB.sql”.
- 6- Type in your browser “http://localhost/**EduTrack**”.

1. User Registration

- **Test Case ID:** TC-01
- **Test Name:** User Registration
- **Steps Executed:**
 1. Opened the signup.php page in the browser.
 2. Entered valid credentials:
 - Username: testuser
 - Email: testuser@example.com
 - Password: Test@123
 - Confirm Password: Test@123
 3. Clicked the “Signup” button.
- **Expected Outcome:**
 - User account is successfully created and stored in the Users table.
 - The page redirects to index.php with a success message.
- **Actual Outcome:**
 - The user record was created in the database.
 - Page redirection to index.php occurred as expected.
- **Result:** Pass

- **Remarks:** Ensure email validation is enforced.

2. User Login

- **Test Case ID:** TC-02
- **Test Name:** User Login
- **Steps Executed:**
 1. Opened the index.php page in the browser.
 2. Entered valid credentials¹:
 - Username: testuser
 - Email: testuser@example.com
 - Password: Test@123
 - Confirm Password: Test@123
 3. Clicked the "Login" button.
- **Expected Outcome:**
 - User session is created with username and user ID.
 - Page redirects to home.php.
- **Actual Outcome:**
 - Session variables loggedInUsername and userId were set correctly.
 - Redirection to home.php was successful.
- **Result:** Pass
- **Remarks:** Confirm password hashing is robust (use password_hash and password_verify).

3. Logout Functionality

- **Test Case ID:** TC-03
- **Test Name:** Logout
- **Steps Executed:**
 1. Logged in as testuser.
 2. Clicked the "Exit" button (linked to signout.php).
- **Expected Outcome:**
 - The session is destroyed.
 - The user is redirected to index.php.
- **Actual Outcome:**
 - Session variables were cleared.
 - Redirection to index.php was successful.
- **Result:** Pass
- **Remarks:** Ensure session timeout is handled appropriately.

¹ Advanced validation steps and details will be implemented in the later project stages.

4. Adding Default Reminders

- **Test Case ID:** TC-04
- **Test Name:** Adding Default Reminders
- **Steps Executed:**
 1. Opened addReminder.html.
 2. Entered a valid topic: Test Reminder
 3. Clicked “Add Default Reminders.”
- **Expected Outcome:**
 - An .ics file is generated with default reminder details².
 - Alert confirms successful operation.
- **Actual Outcome:**
 - .ics file was generated successfully with the correct topic.
 - Success alert displayed.
- **Result:** Pass / Partially
- **Remarks:** Test on different browsers for compatibility.

5. Adding Custom Reminders

- **Test Case ID:** TC-05
- **Test Name:** Adding Custom Reminders
- **Steps Executed:**
 1. Opened addReminder.html.
 2. Entered details:
 - Topic: Custom Reminder
 - Due Date: 2024-12-31
 - Reminder Days: 2
 - Time: 10:00 AM
 3. Clicked “Add Custom Reminders.”
- **Expected Outcome:**
 - An .ics file is generated with the custom reminder details³.
 - Alert confirms successful operation.
- **Actual Outcome:**
 - .ics file was generated with accurate details.
 - Success alert displayed.
- **Result:** Pass / Partially
- **Remarks:** Validate date/time formats and ensure compatibility with major calendar apps.

² Currently this step works only through running the page in **Visual Studio Code’s virtual server**, by clicking right inside addReminder.html tap and choose “**Show Preview**”. I am working on to improve this step.

³ Same thing applied here.

6. Fetch Years

- **Test Case ID:** TC-06
- **Test Name:** Fetch Years
- **Steps Executed:**
 1. Accessed fetchYears.php directly in the browser.
- **Expected Outcome:**
 - JSON response contains the y_id and year fields from the Years table.
- **Actual Outcome:**
 - JSON response was accurate and displayed all years in the database.
 - Proper error handling was in place for empty tables.
- **Result:** Pass
- **Remarks:** Ensure error messages are user-friendly for AJAX calls, for the next future stages.

Summary of Results

Test Case ID	Test Name	Result	Remarks
TC-01	User Registration	Pass	Validate email formats rigorously.
TC-02	User Login	Pass	Ensure password hashing is robust.
TC-03	Logout	Pass	Handle session timeouts gracefully.
TC-04	Adding Default Reminders	Pass / Partially	Test on different browsers.
TC-05	Adding Custom Reminders	Pass / Partially	Validate date/time formats.
TC-06	Fetch Years	Pass	Provide user-friendly error messages.