

Team Members:

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Project Advisor:

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Project Title:

Automated FIT Transcript Evaluator

Client:

Sneha Sudhakaran

Dates of Meetings with the Client for Developing this Plan:

Once a week every two weeks

Test Case Document

1. Test Cases

1.1 User Accounts Creation

- a. Test Case Identifier: User_Creation
- b. Objective: Verify that users can create a new accounts with valid emails and passwords
- c. Inputs:
 - Valid email and password.
 - Invalid email and/or invalid password
- d. Outcomes:
 - Correct Output:
 - Successful account creation and confirmation message
 - Incorrect Output:
 - Error messages indicating invalid email format or invalid password
- e. Environmental Needs: Will require a web browser and proper internet connection
- f. Special Procedural Requirements: The database needs to be able to store new accounts.
- g. Intercase Dependencies: We must be able to make an account before we can test the functionality of logging in.

1.2 User Login

- a. Test Case Identifier: User_Login
- b. Objective: Ensure users can log into the system using valid credentials
- c. Inputs:
 - Correct email and password
 - Incorrect email and/or password
- d. Outcomes:

Correct Output:

- Successful login

Incorrect Output:

- Error message indicating invalid email or password

- Environmental Needs: Will require a web browser, proper internet connection, and a user account.
- Special Procedural Requirements: Needs account to already be in the database
- Intercase Dependencies: This cannot work if users cannot properly create accounts

1.3 File Upload

- Test Case Identifier: File_Upload
- Objective: Ensure users can upload transcripts and catalog files in the proper format
- Inputs:
 - Both files are .txt files in the correct format
 - Incorrect file types or wrong format/empty file
- Outcomes:

Correct Output:

 - Successful file upload confirmation

Incorrect Output:

 - Error message indicating invalid file type or format
- Environmental Needs: Will require a web browser and proper internet connection
- Special Procedural Requirements: The file upload button needs to work
- Intercase Dependencies: N/A

1.4 Automated Credit Evaluation

- Test Case Identifier: Credit_Eval
- Objective: Make sure the system evaluates transfer credits correctly based on the input files
- Inputs:
 - Valid transcript file and valid catalog file.
 - Invalid files or files in the wrong spot
- Outcomes:

Correct Output:

 - An output file showing credits that have been accepted with equivalent FIT courses and ones that have not been accepted

Incorrect Output:

 - Error message indicating invalid files or files in the wrong spot
- Environmental Needs: Will require the backend to be working properly and the transcript and catalog files
- Special Procedural Requirements: The credit evaluation algorithm must work properly.

- g. Intercase Dependencies: File upload functionality must work

1.5 Output File Generation

- a. Test Case Identifier: Output_File
- b. Objective: Ensure that the output file is generated and contains all of the necessary information
- c. Inputs:
Transcript and catalog files
- d. Outcomes:
Correct Output:
 - Detailed output file with accepted credits and their FIT equivalent and unaccepted creditsIncorrect Output:
 - Output file is missing information or is in the wrong format
- e. Environmental Needs: Will need a web browser, proper internet connection, and a backend database
- f. Special Procedural Requirements: Storage space must be available to save output files
- g. Intercase Dependencies: Cannot give proper output if the credit evaluation doesn't work.

1.6 Admin Access

- a. Test Case Identifier: Admin_Access
- b. Objective: Ensure only admins are able to access the backend and sensitive information.
- c. Inputs:
 - Admin login
 - Incorrect admin login or regular user attempting to access things only accessible to admin
- d. Outcomes:
Correct Output:
 - Admin can login with proper login info and can view all sensitive informationIncorrect Output:
 - Regular users and/or incorrect admin login attempts are denied access and given an error message
- e. Environmental Needs: Will need an admin account, web browser, and proper internet connection.
- f. Special Procedural Requirements: Admin accessibilities must be correctly assigned to the admin account within the system
- g. Intercase Dependencies: The login functionality must be working properly in order to attempt admin logins.