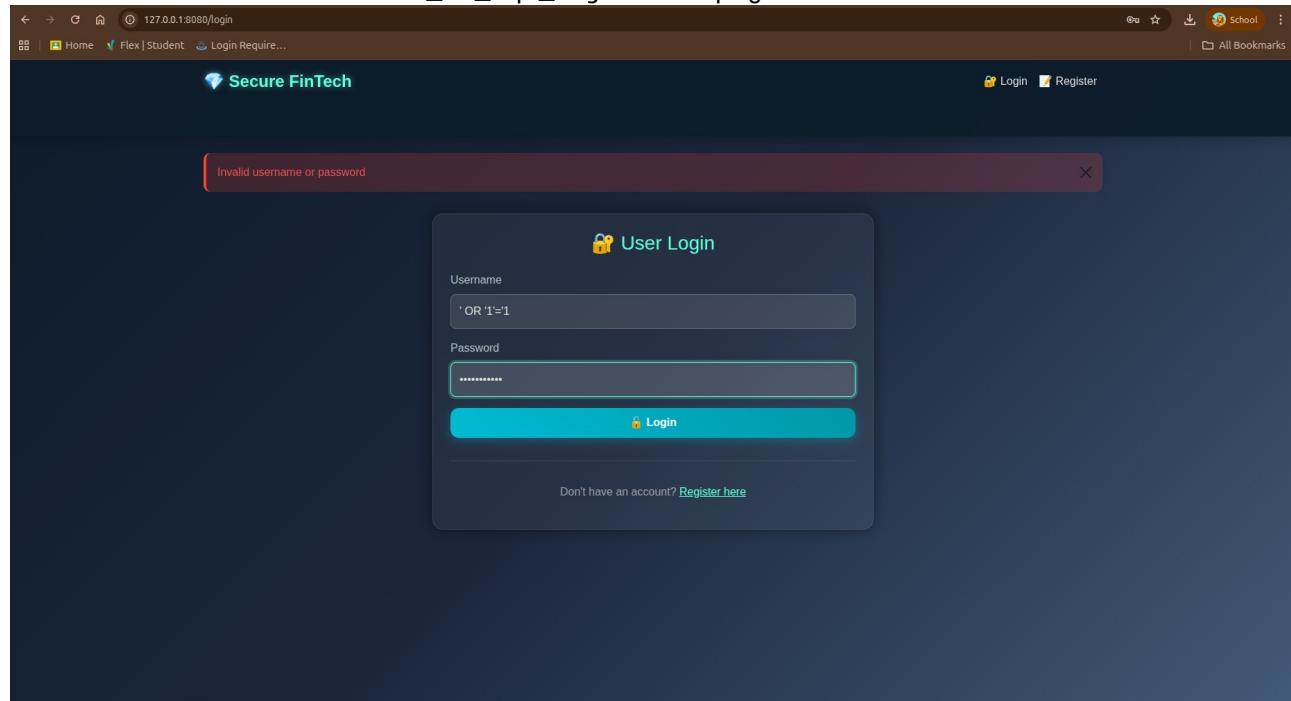
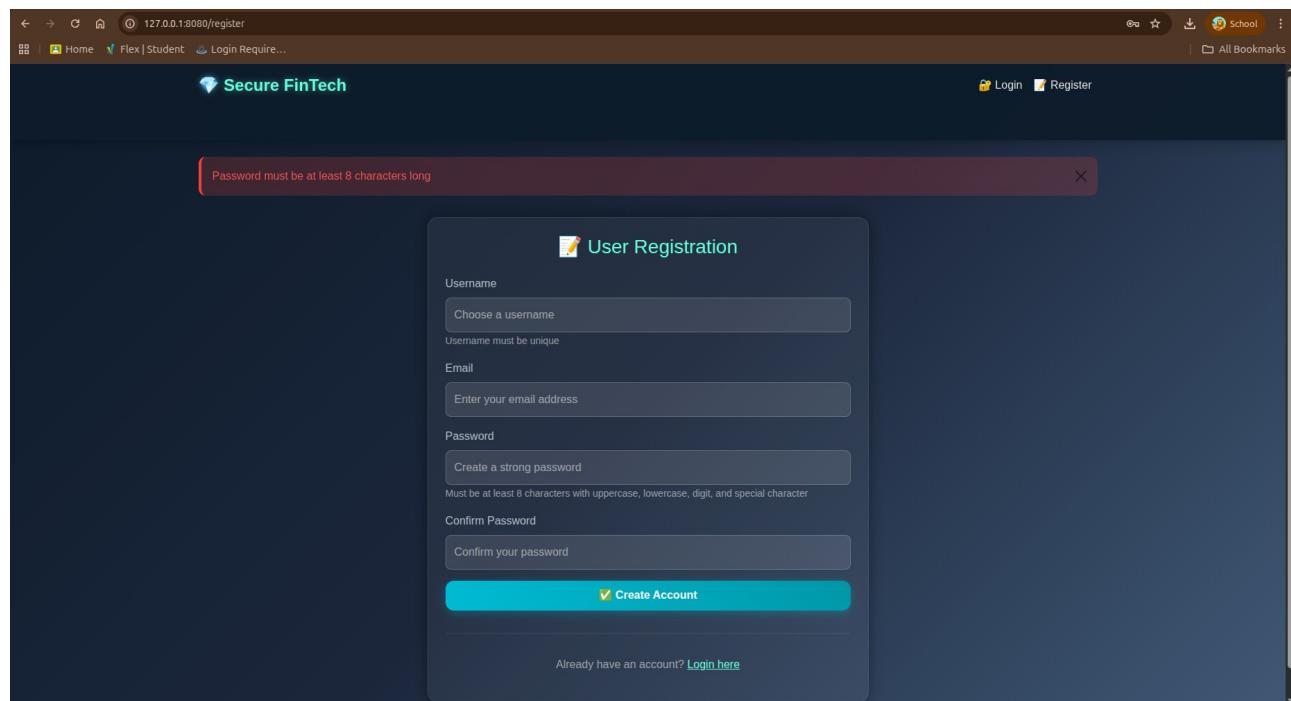


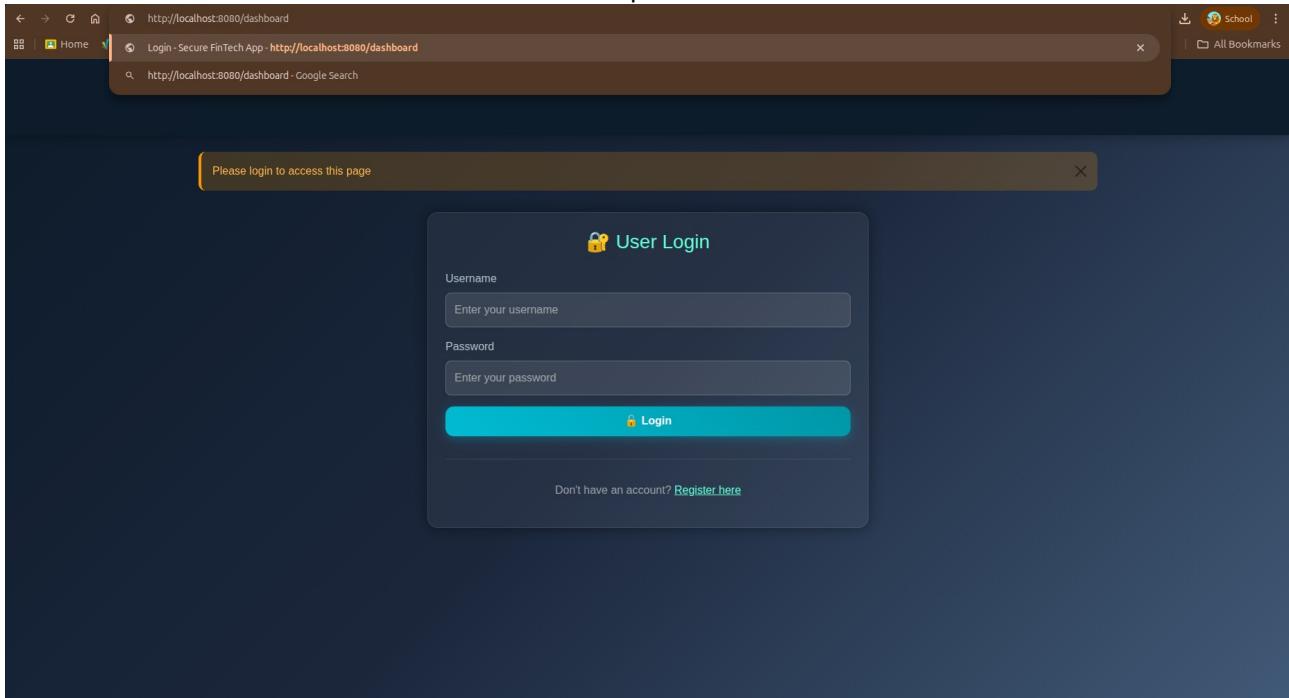
Test Case 1: SQL Injection Prevention
Screenshot Name: `test_01_sql_injection.png`



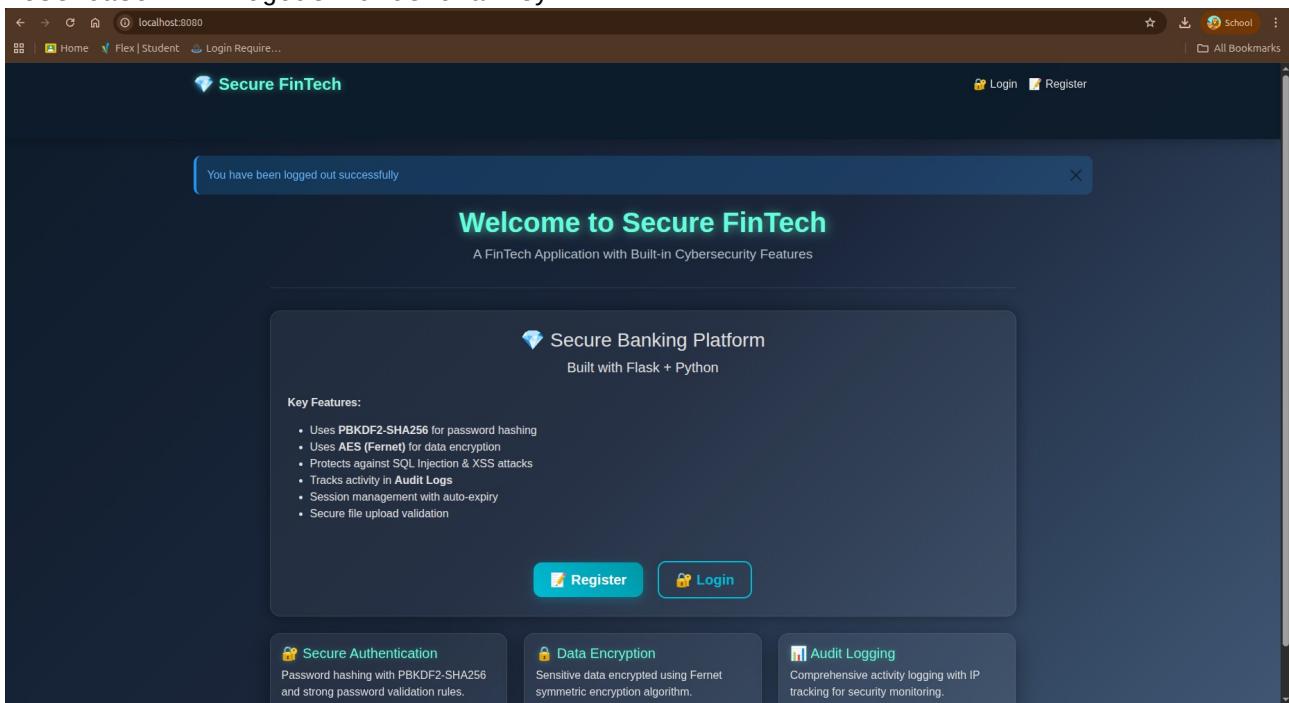
Test Case 2: Password Strength Validation (Weak Password)



Test Case 3 : Unauthorized Access Attempt



Test Case 4 : Logout Functionality



Test Case 5 : File Upload Validation - Invalid Type

The screenshot shows a web browser window with the URL `localhost:8080/upload`. The page title is "Secure FinTech". The main content area displays a modal titled "File Upload". Inside the modal, there is an input field labeled "Select File" with the placeholder "Choose File" and "No file chosen". Below the input field, text specifies "Allowed file types: txt, pdf, png, jpg, jpeg, gif, doc, docx" and "Maximum file size: 16MB". A large red error message at the top of the modal states "File type not allowed. Allowed types: txt, pdf, png, jpg, jpeg, gif, doc, docx". A close button "X" is located in the top right corner of the modal.

Test Case 6 : Error Message Leakage Prevention

The screenshot shows a web browser window with the URL `localhost:8080/transaction`. The page title is "Secure FinTech". The main content area displays a modal titled "Create Transaction". The "Transaction Type" field contains "Deposit". The "Amount" field contains "1234567". A tooltip message "Value must be less than or equal to 1000000." appears next to the amount input field. The "Description" field contains "costing". A large orange error message at the bottom left of the modal states "Value must be less than or equal to 1000000.". A "Create Transaction" button is located at the bottom of the modal.

Test Case 7: Input Length Validation

The screenshot shows a web browser window for 'Secure FinTech' at the URL 'localhost:8080/transaction'. The page title is 'Create Transaction'. The 'Transaction Type' dropdown is set to 'Deposit'. The 'Amount' input field contains '123'. A tooltip below the input field states: 'Maximum amount: \$1,000,000'. The 'Description' text area contains placeholder text about assisting users with complex reasoning. A large red error message box at the top says 'Username already exists'.

Secure FinTech

Dashboard Transaction Profile Encrypt/Decrypt Audit Logs Upload Logout

Create Transaction

Transaction Type

Deposit

Amount

123

Maximum amount: \$1,000,000

Description

Simulate common user errors like the assistant can't understand your commands (only when the assistant needs to be corrected), guiding the assistant through complex reasoning to either successfully complete the task or gracefully handle the inability

Create Transaction

Test Case 8: Duplicate User Registration

The screenshot shows a web browser window for 'Secure FinTech' at the URL 'localhost:8080/register'. The page title is 'User Registration'. The 'Username' input field contains 'Choose a username'. A tooltip below the input field says 'Username must be unique'. The 'Email' input field contains 'Enter your email address'. The 'Password' input field contains 'Create a strong password'. A tooltip next to it says 'Please fill out this field.' The 'Confirm Password' input field contains 'Confirm your password'. A tooltip below the 'Password' field says 'Must be at least 8 characters with uppercase, lowercase, digit, and special character'. A large red error message box at the top says 'Username already exists'.

Secure FinTech

Login Register

User Registration

Username

Choose a username

Username must be unique

Email

Enter your email address

Password

Create a strong password

Please fill out this field.

Confirm Password

Confirm your password

Create Account

Already have an account? [Login here](#)

Test Case 9 : Number Field Validation

The screenshot shows a web browser window for the 'Secure FinTech' application at localhost:8080/transaction. The page title is 'Create Transaction'. The form fields are as follows:

- Transaction Type:** Deposit
- Amount:** 0.06 (Maximum amount: \$1,000,000)
- Description:** Enter transaction description

A blue button at the bottom right of the form says 'Create Transaction'.

Test Case 10: Password Match Validation

The screenshot shows a web browser window for the 'Secure FinTech' application at localhost:8080/register. The page title is 'User Registration'. A red banner at the top left displays the message 'Passwords do not match'. The form fields are as follows:

- Username:** Choose a username (Username must be unique)
- Email:** Enter your email address
- Password:** Create a strong password (Must be at least 8 characters with uppercase, lowercase, digit, and special character)
- Confirm Password:** Confirm your password

A blue button at the bottom right of the form says 'Create Account'.

At the bottom of the page, there is a link: 'Already have an account? [Login here](#)'.

Test Case 11: Email Validation

The screenshot shows a web browser window for 'Secure FinTech' at the URL 'localhost:8080/register'. The page title is 'User Registration'. The form fields are as follows:

- Username:** user123 (Error: Username must be unique)
- Email:** muneeb123@ (Error: Please enter a part following '@', 'muneeb123@' is incomplete. Must be at least 8 characters with uppercase, lowercase, digit, and special character)
- Password:** (Error: Must be at least 8 characters with uppercase, lowercase, digit, and special character)
- Confirm Password:** (Error: Must be at least 8 characters with uppercase, lowercase, digit, and special character)

A blue button labeled 'Create Account' is visible. Below the form, a link says 'Already have an account? [Login here](#)'.

Test Case 12: Login Attempt Lockout

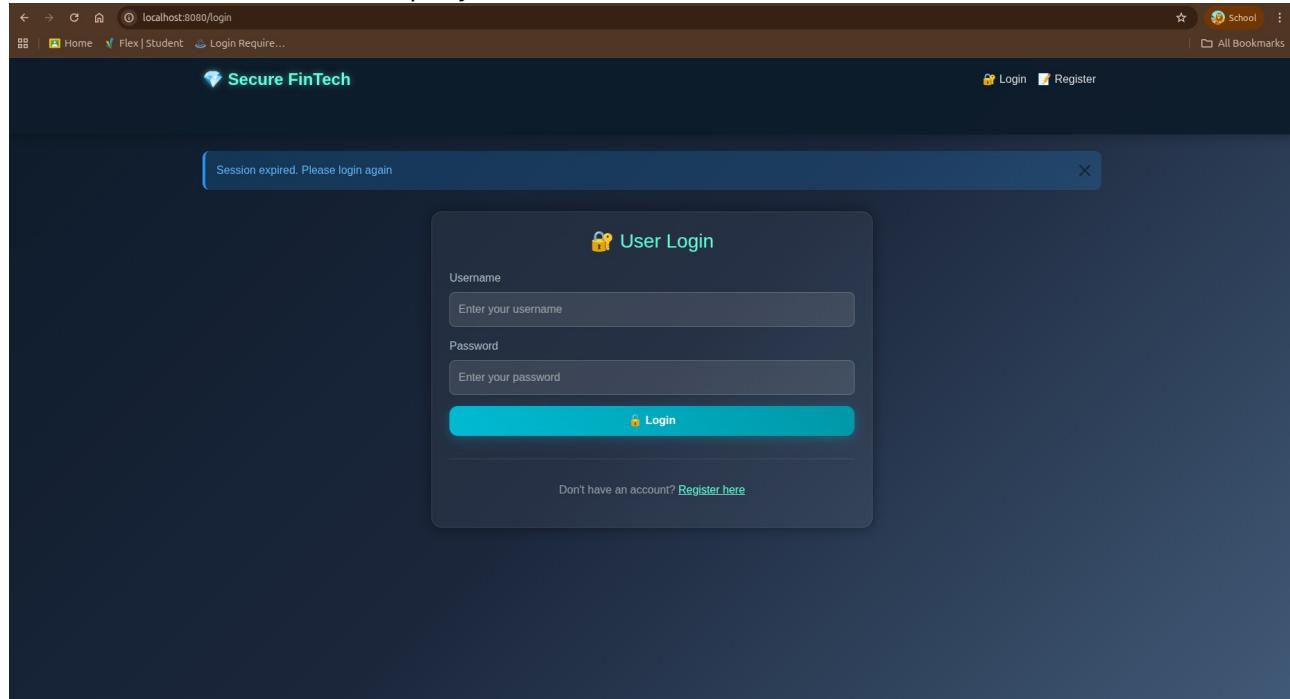
The screenshot shows a web browser window for 'Secure FinTech' at the URL 'localhost:8080/login'. The page title is 'User Login'. A red banner at the top states 'Account temporarily locked due to too many failed attempts' with a close button 'X'.

The login form fields are:

- Username:** Enter your username
- Password:** Enter your password

A blue button labeled 'Login' is present. Below the form, a link says 'Don't have an account? [Register here](#)'.

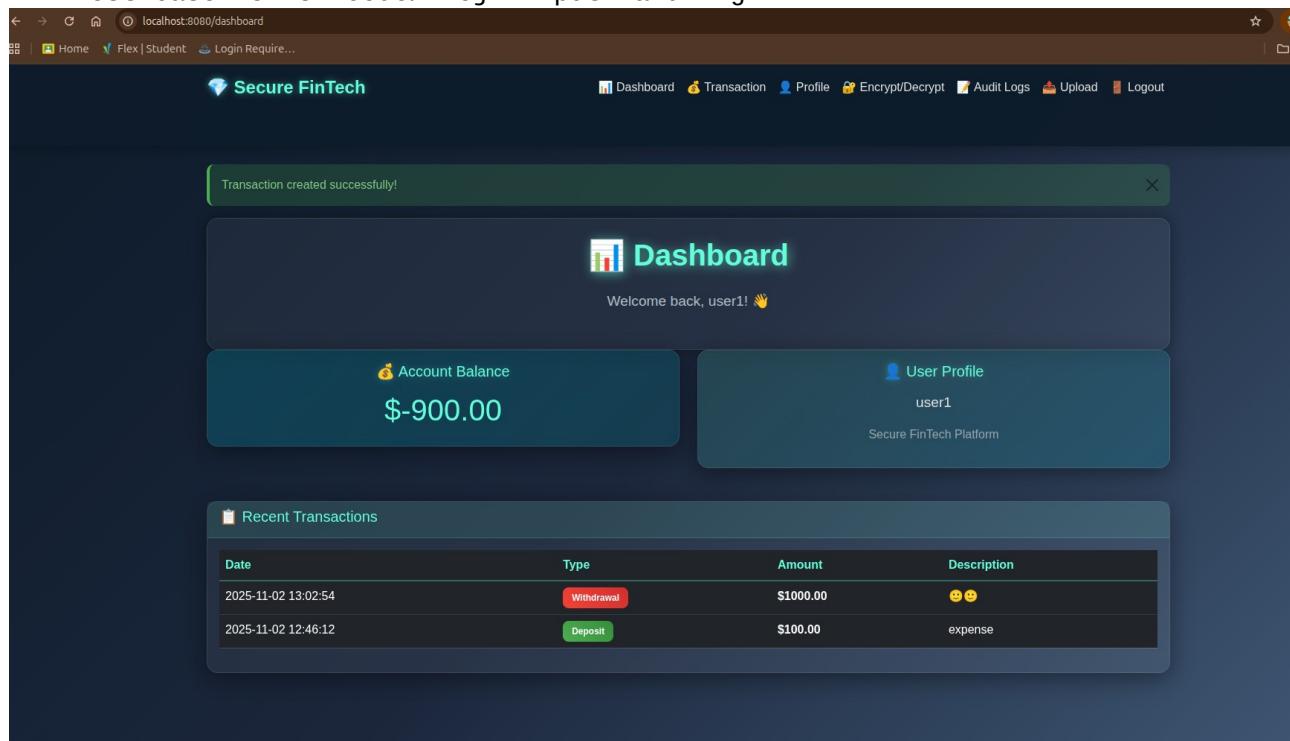
Test Case 13 : Session Expiry Test



Test Case 14: Encrypted Data Storage

CREATE TABLE user_profiles (id INTEGER PRIMARY KEY AUTOINCREMENT)			
"id"	INTEGER	"id"	INTEGER
"user_id"	INTEGER	"user_id"	INTEGER NOT NULL UNIQUE
"full_name_encrypted"	TEXT	"full_name_encrypted"	TEXT
"phone_encrypted"	TEXT	"phone_encrypted"	TEXT
"address_encrypted"	TEXT	"address_encrypted"	TEXT
"updated_at"	TIMESTAMP	"updated_at"	TIMESTAMP DEFAULT CURRENT_TIMESTAMP
CREATE TABLE user_profiles (id INTEGER PRIMARY KEY AUTOINCREMENT)			

Test Case 15: Unicode/Emoji Input Handling



Test Case 16: Empty Field Validation

The screenshot shows the 'User Registration' form on a web browser. The URL is 'localhost:8080/register'. The form fields are as follows:

- Username:** user12 (highlighted in red)
- Email:** (empty field, highlighted in red)
- Password:** (empty field, highlighted in red)
- Confirm Password:** (empty field)

Validation messages are displayed below the fields:

- Username: Username must be unique
- Email: Please fill out this field.
- Password: Must be at least 8 characters with uppercase, lowercase, digit, and special character

A 'Create Account' button is at the bottom, and a link to 'Login here' is at the bottom right.

Test Case 17 : Password Requirement - Uppercase Missing

The screenshot shows the 'User Registration' form on a web browser. The URL is 'localhost:8080/register'. The form fields are as follows:

- Username:** Choose a username (highlighted in red)
- Email:** (empty field)
- Password:** Create a strong password (highlighted in red)
- Confirm Password:** (empty field)

Validation messages are displayed below the fields:

- Username: Username must be unique
- Email: (no message)
- Password: Must be at least 8 characters with uppercase, lowercase, digit, and special character

A red banner at the top states: 'Password must contain at least one uppercase letter'. A 'Create Account' button is at the bottom, and a link to 'Login here' is at the bottom right.

Test Case 18 : Password Requirement - Lowercase Missing

The screenshot shows a browser window for 'Secure FinTech' at the URL 'localhost:8080/register'. The main content is a 'User Registration' form. At the top, there is a red error message box containing the text 'Password must contain at least one lowercase letter'. The form fields are as follows:

- Username:** A text input field with placeholder 'Choose a username' and a note below it stating 'Username must be unique'.
- Email:** A text input field with placeholder 'Enter your email address'.
- Password:** A text input field with placeholder 'Create a strong password' and a note below it stating 'Must be at least 8 characters with uppercase, lowercase, digit, and special character'.
- Confirm Password:** A text input field with placeholder 'Confirm your password'.

A large blue 'Create Account' button is at the bottom of the form. Below the button, a link says 'Already have an account? [Login here](#)'.

Test Case 19: Password Requirement - Digit Missing

The screenshot shows a browser window for 'Secure FinTech' at the URL 'localhost:8080/register'. The main content is a 'User Registration' form. At the top, there is a red error message box containing the text 'Password must contain at least one digit'. The form fields are as follows:

- Username:** A text input field with placeholder 'Choose a username' and a note below it stating 'Username must be unique'.
- Email:** A text input field with placeholder 'Enter your email address'.
- Password:** A text input field with placeholder 'Create a strong password' and a note below it stating 'Must be at least 8 characters with uppercase, lowercase, digit, and special character'.
- Confirm Password:** A text input field with placeholder 'Confirm your password'.

A large blue 'Create Account' button is at the bottom of the form. Below the button, a link says 'Already have an account? [Login here](#)'.

Test Case 20: File Size Limit Validation

The screenshot shows a web application titled "Secure FinTech" running on "localhost:3000/upload". The main navigation bar includes links for Dashboard, Transaction, Profile, Encrypt/Decrypt, Audit Logs, Upload, and Logout. A prominent red error message box at the top states "File too large. Maximum size is 16MB". Below it is a "File Upload" form with a "Select File" button, which displays "No file chosen". The form also specifies allowed file types (txt, pdf, png, jpg, jpeg, gif, doc, docx) and a maximum file size of 16MB. A blue "Upload File" button is at the bottom.