

Health Vault System - Test Cases

1. Login/Register

Test Case ID: TC001

Description: Successful Registration

Steps: Enter valid details and register

Expected Result: User account created

Priority: High

Test Case ID: TC002

Description: Registration with existing email

Steps: Use already registered email

Expected Result: Error: Email exists

Priority: High

Test Case ID: TC003

Description: Login with valid credentials

Steps: Enter correct email & password

Expected Result: Redirect to dashboard

Priority: High

Test Case ID: TC004

Description: Login with invalid credentials

Steps: Wrong email/password

Expected Result: Error: Invalid credentials

Priority: High

2. Upload Medical Records

Test Case ID: TC005

Description: Upload valid record

Steps: Upload PDF/image

Expected Result: Record uploaded successfully

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Priority: High

Test Case ID: TC006

Description: Upload unsupported format

Steps: Upload .exe/.zip

Expected Result: Error: Invalid format

Priority: Medium

Test Case ID: TC007

Description: Upload large file

Steps: Upload file >10MB

Expected Result: Error or success based on config

Priority: Medium

3. Grant/Revoke Access via OTP

Test Case ID: TC008

Description: Grant access with valid OTP

Steps: Doctor enters valid OTP

Expected Result: Access granted

Priority: High

Test Case ID: TC009

Description: Grant access with invalid OTP

Steps: Doctor enters wrong OTP

Expected Result: Error: Invalid OTP

Priority: High

Test Case ID: TC010

Description: Revoke access

Steps: Revoke from settings

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Expected Result: Doctor's access removed

Priority: High

4. View Medical Records

Test Case ID: TC011

Description: Patient views own records

Steps: Login and navigate

Expected Result: Records displayed

Priority: High

Test Case ID: TC012

Description: Doctor views shared record

Steps: Enter OTP

Expected Result: Shared records shown

Priority: High

5. Search & Filter Records

Test Case ID: TC013

Description: Search by name

Steps: Search in bar

Expected Result: Matching records listed

Priority: Medium

Test Case ID: TC014

Description: Search by date

Steps: Select date range

Expected Result: Filtered records shown

Priority: Medium

Test Case ID: TC015

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Description: Filter by specialization

Steps: Choose specialization

Expected Result: Relevant records listed

Priority: Medium

6. Delete Medical Records

Test Case ID: TC016

Description: Delete existing record

Steps: Click delete on record

Expected Result: Record removed

Priority: High

Test Case ID: TC017

Description: Delete already deleted record

Steps: Try deleting again

Expected Result: Error: Not found

Priority: Medium

7. Security & Validation

Test Case ID: TC018

Description: Unauthorized access

Steps: Doctor tries without OTP

Expected Result: Access denied

Priority: High

Test Case ID: TC019

Description: Session timeout

Steps: Idle > timeout

Expected Result: Redirect to login

Priority: High