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**1. Application Test Cases**

**1.****1 User Authentication & Account Management**

**1.1.1** **Login**

* Verify login with valid credentials.
* Verify login with invalid credentials.
* Verify login with incorrect password.
* Verify login with a non-existent email.
* Verify login with empty fields.
* Verify login with special characters in username/password.
* Verify session persistence after login.
* Verify logout functionality.
* Verify multiple login attempts and account lockout.
* Verify login through social media (Google, Facebook, etc.).

**1.1.2** **Registration**

* Verify successful registration with valid details.
* Verify validation of required fields (name, email, password).
* Verify email format validation.
* Verify password complexity enforcement.
* Verify duplicate email restriction.
* Verify phone number verification (if applicable).
* Verify CAPTCHA verification during signup.
* Verify account activation via email confirmation.

**1.1.3** **Password Management**

* Verify forgot password request.
* Verify reset email delivery.
* Verify password reset functionality.
* Verify error handling for incorrect reset tokens.
* Verify password change functionality from profile settings.

**1.2** **File Handling (Upload & Download Mechanisms)**

**1.2.1** **Upload Functionality**

* Verify successful file upload with valid formats.
* Verify upload with unsupported file formats.
* Verify upload with an oversized file beyond the allowed limit.
* Verify upload with a corrupted file.
* Verify multiple file uploads at once.
* Verify canceling an upload mid-process.
* Verify handling of network failures during upload.
* Verify security measures such as virus scanning on upload.

**1.2.2** **Download Functionality**

* Verify successful file download.
* Verify downloading a large file.
* Verify permission-based access to downloads.
* Verify download of files with different extensions (PDF, PNG, ZIP).
* Verify resume functionality after interrupted download.
* Verify proper handling of network failures during download.
* Verify security restrictions such as download expiry links.

**1.3 Interfaces and windows**

* Verify application responsiveness with multiple devices**.**
* Verify that there is scroll mechanism in needed sections.
* Verify application permissions (open camera, upload/download files).
* Verify that there is reload mechanism in needed sections.
* Verify saving changes and making edits is saved properly.
* Verify proper translations.
* Verify Figma matching.
* Verify buttons, boxes and fields working functionality.

**2. Website Test Cases**

**2.1 Onboarding & User Registration**

**2.1.1 Sign-Up**

* Verify successful sign-up with valid details.
* Verify validation of required fields.
* Verify email format validation.
* Verify duplicate email restriction.
* Verify strong password enforcement.
* Verify terms & conditions checkbox enforcement.
* Verify social media sign-up options.

**2.1.2 Email Verification**

* Verify the email confirmation link is sent upon registration.
* Verify expired/invalid verification link handling.
* Verify ability to resend verification email.
* Verify error handling for already verified emails.

**2.2 Dashboard & Admin Panel**

**2.2.1 User Dashboard**

* Verify correct user data is displayed upon login.
* Verify dashboard responsiveness across different devices.
* Verify all dashboard widgets load correctly.
* Verify notifications display correctly.
* Verify dashboard customization options (if applicable).

**2.2.2 Admin Panel**

* Verify admin login and authentication.
* Verify user role-based access control.
* Verify CRUD (Create, Read, Update, Delete) operations on users.
* Verify permissions management for different roles.
* Verify security policies for admin actions.
* Verify logging and tracking of admin actions.

**2.3 Performance & Security Testing**

**2.3.1 Performance Testing**

* Verify page load time under normal conditions.
* Verify performance under heavy user traffic.
* Verify response time for API calls.
* Verify stress testing by simulating multiple users.
* Verify website responsiveness with multiple devices

**2.3.2 Security Testing**

* Verify protection against SQL injection.
* Verify protection against XSS (Cross-Site Scripting).
* Verify protection against CSRF (Cross-Site Request Forgery).
* Verify password encryption during storage.
* Verify session expiration handling.

**2.3.3 Interfaces and windows**

* Verify proper translations.
* Verify Figma matching.
* Verify buttons, boxes and fields working functionality.
* Verify saving changes and making edits is saved properly.