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**1. User Login: Test Authentication for Valid/Invalid Credentials**

| **Test Scenario** | **Test Case** | **Pre-condition** | **Test Description** | **Steps** | **Expected Result** | **Actual Result** |
| --- | --- | --- | --- | --- | --- | --- |
| Login with valid username and password | Verify successful login with valid credentials | User has a valid account. | Test the login with the correct username and password. | 1. Open the login page.  2. Enter valid username.  3. Enter valid password.  4. Click "Login". | User successfully logs in and is redirected to the dashboard. | Successfully login |
| Login with invalid username | Verify error message for invalid username | User does not have the entered username. | Test login with an incorrect username. | 1. Open the login page.  2. Enter invalid username.  3. Enter valid password.  4. Click "Login". | Error message indicating invalid username. | It shows invalid credentials |
| Login with invalid password | Verify error message for invalid password | User has a valid account. | Test login with incorrect password. | 1. Open the login page.  2. Enter valid username.  3. Enter incorrect password.  4. Click "Login". | Error message indicating invalid password. | It shows invalid credentials |
| Login with empty username and password fields | Verify error message when fields are empty | User has a valid account. | Test login with empty fields. | 1. Open the login page.  2. Leave both username and password fields empty.  3. Click "Login". | Error message prompting to fill in username and password. | Error message prompting to fill in username and password. |
| Login with username and password case sensitivity | Verify case sensitivity of credentials | User has a valid account with specific case-sensitive credentials. | Test case sensitivity of login credentials. | 1. Open the login page.  2. Enter the correct username in the wrong case.  3. Enter the correct password.  4. Click "Login". | Error message indicating invalid login due to case sensitivity. | Error message indicating invalid login due to case sensitivity. |
| Login with special characters in username | Verify that special characters are handled correctly | User has a valid account with special characters in the username. | Test login with special characters. | 1. Open the login page.  2. Enter a valid username with special characters.  3. Enter the valid password.  4. Click "Login". | Login is successful if the special characters are valid. | It shows you must supply a valid name. |
| Login attempt after unsuccessful login | Verify login after multiple failed attempts | User has a valid account. | Test if the system locks out after multiple unsuccessful login attempts. | 1. Attempt login with invalid credentials 5 times.  2. Attempt login with valid credentials. | User is locked out temporarily after failed attempts, or the login succeeds if the lockout time is over. | It shows the popup to write valid credentials. |
| Login attempt after password reset | Verify that the user can log in after password reset | User has reset their password. | Test if the user can log in with the new password after resetting it. | 1. Reset password using the "Forgot Password" option.  2. Log in with the new password. | User should be able to log in with the new password. | User should be able to log in with the new password. |
| Login with locked account | Verify behaviour when attempting to log in with a locked account | User account is locked (due to multiple failed login attempts, for example). | Test the login functionality when the account is locked. | 1. Attempt to log in with a locked account. | User receives a message that the account is locked. | User receives a message that the account is locked. |

**2. Forgot Password: Validate Password Recovery and Email Triggers**

| **Test Scenario** | **Test Case** | **Pre-condition** | **Test Description** | **Steps** | **Expected Result** | **Actual Result** |
| --- | --- | --- | --- | --- | --- | --- |
| Reset password with valid registered email | Verify password reset functionality with a valid email | User has a valid email address registered. | Test the password reset process using a valid email. | 1. Click on "Forgot Password".  2. Enter valid registered email.  3. Click "Submit". | User receives a password reset email. | User receives a password reset email. |
| Reset password with unregistered email | Verify error message for unregistered email | User does not have the entered email. | Test password reset using an unregistered email. | 1. Click on "Forgot Password".  2. Enter unregistered email.  3. Click "Submit". | Error message stating email not registered. | Error message stating email not registered. |
| Reset password with empty email field | Verify error message for empty email field | No email has been entered. | Test password reset process with an empty email field. | 1. Click on "Forgot Password".  2. Leave the email field empty.  3. Click "Submit". | Error message indicating the email field cannot be empty. | This message comes “Please fill out this filed” |
| Verify email trigger and reset link | Verify email trigger and reset link | User has requested a password reset. | Test if the email reset link works correctly. | 1. Open the password reset email.  2. Click on the reset link. | User is redirected to the password reset page. | User is redirected to the password reset page. |
| Reset password using expired link | Verify that expired password reset link gives an error | User has requested a password reset. | Test with an expired reset link. | 1. Open expired password reset email.  2. Click on the reset link. | User receives an error message indicating the link is expired. | It shows that the “link has been expired”. |

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| Invalid reset password input | Verify password reset failure with invalid input | User is attempting to reset their password. | Test if incorrect reset password input triggers an error. | 1. Click on "Forgot Password".  2. Enter an invalid password.  3. Attempt to submit. | Error message prompting for valid password criteria (e.g., minimum length, special characters). | It shows” The password must be 8 character” |
| Password reset with expired token | Verify behaviour when the reset token has expired | User has requested a password reset, and the token has expired. | Test if expired tokens are properly handled. | 1. Request a password reset.  2. Wait for the token to expire.  3. Attempt to reset the password. | User is shown an error message indicating that the reset link has expired. | It shows the reset link has expired. |

**3. Session Management: Check Session Expiry and Logout Behaviour**

| **Test Scenario** | **Test Case** | **Pre-condition** | **Test Description** | **Steps** | **Expected Result** | **Actual Result** |
| --- | --- | --- | --- | --- | --- | --- |
| Session expire after inactivity | Verify session expiry after inactivity | User is logged in. | Test if session expires after a specified timeout. | 1. Log in to the application.  2. Remain idle for session timeout period. | User is automatically logged out after session expiry. | User is automatically logged out after session expiry. |
| Successful logout | Verify successful logout | User is logged in. | Test if the logout functionality works as expected. | 1. Click "Logout". | User is successfully logged out and redirected to the login page. | User is successfully logged out and redirected to the login page. |
| Session destruction after logout | Verify session destruction after logout | User is logged in. | Test if session data is cleared upon logout. | 1. Log in.  2. Log out.  3. Try to access any page. | User is redirected to the login page; the session is cleared. | The session is cleared. |
| Multiple tab logout | Verify that logout from one tab logs the user out of all tabs | User is logged in on multiple tabs. | Test if logging out from one tab affects other tabs. | 1. Log in to multiple tabs.  2. Log out from one tab. | User is logged out from all tabs. | Yes user has been logged out of all tabs. |

**4. Admin Dashboard Access: Ensure Authorized Access to HR Functionalities**

| **Test Scenario** | **Test Case** | **Pre-condition** | **Test Description** | **Steps** | **Expected Result** | **Actual Result** |
| --- | --- | --- | --- | --- | --- | --- |
| Admin login to dashboard | Verify that the admin can access the dashboard | User is an admin. | Test if an admin can access HR functionalities. | 1. Login with admin credentials. | Admin is redirected to the dashboard and can access HR functionalities. | Has been successfully redirect to dashboard. |
| Non-admin access restriction | Verify that non-admin user cannot access admin dashboard | User is a non-admin. | Test if non-admin users are restricted from accessing admin features. | 1. Log in with non-admin credentials. | User is redirected to a restricted page or denied access. | User is go to page. |
| Admin functionality availability | Verify that admin can access all admin features | User is an admin. | Test if all admin-specific features are available. | 1. Login as admin.  2. Check availability of features like employee management, payroll, reports, etc. | All admin-specific features are accessible. | All are accessible. |

**5. Role-Based Access Control: Verify Permissions for Admins and Employees**

| **Test Scenario** | **Test Case** | **Pre-condition** | **Test Description** | **Steps** | **Expected Result** | **Actual Result** |
| --- | --- | --- | --- | --- | --- | --- |
| Admin permissions | Verify admin permissions to create, edit, and delete employees | User is an admin. | Test if the admin has full access to employee management. | 1. Login as admin.  2. Navigate to employee management.  3. Create, edit, delete employee records. | Admin has full permissions to manage employees. | Permission granted. |
| Employee restricted access | Verify employee has restricted access to HR features | User is an employee. | Test if an employee is restricted from admin functions. | 1. Log in as an employee.  2. Try to access admin functionalities. | Employees are restricted from accessing administrative features. | Employees are restricted from accessing. |
| Admin access to reports | Verify admin access to reports | User is an admin. | Test if the admin can view employee-related reports. | 1. Login as admin.  2. Access the reports section. | Admin is able to view and manage reports. | Admin is able to view table. |

**6. Multi-Language Support: Test Functionality Across Languages**

| **Test Scenario** | **Test Case** | **Pre-condition** | **Test Description** | **Steps** | **Expected Result** | **Actual Result** |
| --- | --- | --- | --- | --- | --- | --- |
| Language selection option | Verify language selection dropdown | User is logged in. | Test the functionality of the language dropdown. | 1. Navigate to the language selection dropdown.  2. Choose a language. | Application language changes to the selected language. | Language has been changed. |
| Content translation across languages | Verify translated content across languages | User has selected a language. | Test if the content is correctly translated. | 1. Navigate through various pages in the selected language. | UI elements and content are correctly translated. | Content are correct. |
| Language persistence across sessions | Verify that the language preference is remembered | User has selected a language. | Test if the system remembers the selected language between sessions. | 1. Log in and select a language.  2. Log out and log back in. | The system retains the chosen language on subsequent logins. | The system retains the chosen language on subsequent logins. |
| Language translation for dynamic content | Verify that dynamic content (e.g., user-generated content) is translated correctly | User has selected a language. | Test how dynamic content (such as employee names or comments) is displayed in different languages. | 1. Add or view content with user input in different languages.  2. Check translations for dynamic content. | Dynamic content is accurately translated and displayed. | Dynamic content is accurately translated. |
| Incorrect translation handling | Verify handling of incorrect or missing translations | User has selected a language. | Test how the system handles missing or incorrect translations. | 1. Select a language with known translation issues.  2. Navigate through pages. | The application should display a fallback message, or the user is informed of missing translations. | It shows a fallback message. |
| RTL Language Support | Verify right-to-left (RTL) language support | User has selected an RTL language (e.g., Arabic). | Test the UI's adaptability to RTL languages. | 1. Choose a language with RTL text.  2. Navigate through pages. | UI elements and text are correctly aligned for RTL languages. | All elements are aligned correctly. |
| Language toggle behaviour during session | Verify that the language toggle works while logged in | User is logged in. | Test the functionality of the language toggle on the fly without logging out. | 1. While logged in, toggle between languages. | The page content immediately updates to the new language without needing to refresh or log out. | It takes few seconds to update to the new language. |

**7. Responsive Design: Validate Performance on Various Devices**

| **Test Scenario** | **Test Case** | **Pre-condition** | **Test Description** | **Steps** | **Expected Result** | **Actual Result** |
| --- | --- | --- | --- | --- | --- | --- |
| Desktop layout | Verify UI responsiveness on desktop | User is logged in. | Test how the UI behaves on a desktop device. | 1. Access the website on a desktop browser. | Layout adjusts to fit the desktop screen without issues. | Layout adjust to the screen. |
| Tablet layout | Verify UI responsiveness on tablet | User is logged in. | Test how the UI behaves on a tablet device. | 1. Access the website on a tablet. | Layout adjusts to fit the tablet screen without issues. | Layout are not fit to tablet screen. |
| Mobile layout | Verify UI responsiveness on mobile | User is logged in. | Test how the UI behaves on a mobile device. | 1. Access the website on a mobile device. | Layout adjusts to fit the mobile screen, ensuring usability. | No layout are not fit to the mobile screen. |
| Image scaling on different devices | Verify proper image scaling across devices | User is logged in. | Test if images scale correctly on desktop, tablet, and mobile devices. | 1. Access pages with images on desktop, tablet, and mobile. | Images should scale proportionally to the device screen size and should not be distorted. | Images are not proportionally to the device screen. |
| Navigation bar behaviour on mobile | Verify navigation menu behaviour on mobile | User is logged in. | Test if the navigation menu is responsive on mobile devices. | 1. Access the website on a mobile device. | Navigation bar collapses into a hamburger menu and functions correctly. | No it is not work properly. |
| Text resizing on different devices | Verify that text sizes adjust appropriately on various devices | User is logged in. | Test text resizing behaviour on different screen sizes. | 1. Open the website on various devices. | Text should resize appropriately for smaller and larger screens, ensuring readability. | Text should not resize appropriately for smaller and larger screens. |
| Pop-ups and modals on mobile | Verify that pop-ups and modals work on mobile devices | User is logged in. | Test pop-up and modal window behaviour on mobile devices. | 1. Trigger a pop-up or modal on a mobile device. | Pop-ups and modals should be displayed appropriately without breaking the layout, and should be dismissible. | It breaks the layout. |
| Page loading speed on different devices | Verify that page loads quickly across devices | User is logged in. | Test page load performance on desktop, tablet, and mobile. | 1. Access pages on desktop, tablet, and mobile. | Pages should load within an acceptable time frame on all devices. | Pages are load within an acceptable time frame. |
| Device orientation change | Verify UI responsiveness during device orientation change | User is logged in. | Test how the UI adapts when the device orientation is changed (e.g., from portrait to landscape). | 1. Access the website on mobile.  2. Change device orientation (portrait to landscape or vice versa). | UI elements should adjust and reflow properly during orientation changes. | All elements adjust properly. |
| Desktop to mobile breakpoint | Verify UI adapts properly at the breakpoint between desktop and mobile | User is logged in. | Test the transition point between desktop and mobile screen sizes. | 1. Resize the browser window (on desktop) to a mobile size. | The layout should smoothly transition without breaking the UI. | It breaks the UI. |