ID	Title	Steps	Expected	Actual	Risk	PASS/FAIL
TC1	Verify Basic Password Generation Functionality	Launch the Key Fortress application on Windows.	A 12-digit password is generated using a mix of special characters, uppercase letters, lowercase letters, and digits.			
		Press the "+" button to open the password generation window.				
		Enter a Name and Email.				
		Observe the generated password.				
TC2	Verify Advanced Options Default State	Launch the Key Fortress application on Windows.	The length slider is set to 12. All checkboxes ("Allowing Special Characters", "Require Upper Characters", "Require Digits", "Require Lower Characters", "Ensure password is unique") are checked.			
		Press the "+" button to open the password generation window.				
		Enter a Name and Email.				
		Click on "Advanced Options".				
		Observe the default settings.				
TC3	Verify Password Length Adjustment	Launch the Key Fortress application on Windows.	A password of the selected length is generated.			
		Press the "+" button to open the password generation window.				
		Enter a Name and Email.				
		Click on "Advanced Options".				
		Adjust the slider to a value other than 12 (e.g., 32).				
		Click "Save".				
TC4	Verify Deselecting Character Types	Launch the Key Fortress application on Windows.	A password is generated without the deselected character types.			
		Press the "+" button to open the password generation window.				
		Enter a Name and Email.				
		Click on "Advanced Options".				
		Deselect one or more of the "Require" checkboxes, leaving at least one type selected.				
		Click "Save".				
TC5	Verify Unique Password Generation	Generate a password with default settings.	The second password is different from the first, ensuring uniqueness.			
		Generate a second password with the same settings.				
TC6	Copy to Clipboard Function	Generate a password and click "Save".	The generated password should be pasted into the text editor, confirming it was copied to the clipboard.		Clipboard overwriting without user consent.	
		Open a text editor and paste the contents of the clipboard.				
TC7	Minimum Password Length	Launch the Key Fortress application on Windows.	The application prevents saving a password with 0 length		Users may generate a 0-length password if not properly validated.	
		Press the "+" button to open the password generation window.				
		Enter a Name and Email.				
		Click on "Advanced Options".				
		Set the password length to the minimum (0)				
		Click "Save"				
TC8	Maximum Password Length	Launch the Key Fortress application on Windows.	The application allows up to 512 characters.			
		Press the "+" button to open the password generation window.				
		Enter a Name and Email.				
		Click on "Advanced Options".				
		Set the password length to the maximum (512)				
		Click "Save"				
TC9	Verify Behavior When All Character Types Are Deselected	Launch the Key Fortress application on Windows.	At least one check box must remain checked.			
		Press the "+" button to open the password generation window.				
		Enter a Name and Email.				
		Click on "Advanced Options".				
		Uncheck all boxes				