

Solution

List of test cases:

Test Cases		View
Sort: Section	Filter: None	<input type="checkbox"/> Display Deleted Test Cases + Add
Password Generator 12 ✎		
The application generates 10 passwords for the selected character groups and entered length		
<input type="checkbox"/> ID	Title	
<input type="checkbox"/> C2	Default settings are applied for password generation program	
<input type="checkbox"/> C12	Program generate 10 passwords after click the 'Generate password' button	
<input checked="" type="checkbox"/> C13	Generated passwords contained at least one character from selected group of characters ✎	
<input type="checkbox"/> C7	Generated passwords match the exact length specified by the user	
<input type="checkbox"/> C3	Generate passwords for one selected character group and a default length	
<input type="checkbox"/> C4	Generate passwords for two selected character groups and default length	
<input type="checkbox"/> C5	Generate passwords for three selected character group and a default length	
<input type="checkbox"/> C6	Generate passwords for all (four) selected character group and a default length	
<input type="checkbox"/> C8	Generate NEW passwords after clicking the "Create Password" button a second time	
<input type="checkbox"/> C10	Generate passwords if no character group is selected	
<input type="checkbox"/> C9	Generate passwords when the user enters a number less than 8 in the password length field	
<input type="checkbox"/> C15	Generate passwords when the user enters a large number in the password length field	

Details:

1. The default settings are applied for the password generation program.

C2

Default settings are applied for password generation program

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Password Generator

Type	Priority	Assigned To	Estimate
Functional	Medium	None	None
References	Automation Type		
None	None		

Preconditions

1. Open the application.

Steps

1

Pay attention to the character groups and the password length field.

By default, the password length is set to 8 characters, and the following character groups are selected:

- Digits;
- Uppercase letters;
- Lowercase letters.

Password Generator

Want to generate a password? Simply fill out the form below and click on the "Generate Password" button.

The screenshot shows a web form titled "Password Generator". It contains three sections: "Character groups" with three checked radio buttons for "Digits", "Uppercase letters", and "Lowercase letters"; "Password length" with a text input field containing "8"; and a "Generate password" button at the bottom. Red arrows point to the "Generate password" button, the "Character groups" section, and the "Password length" field.

2. The program generates 10 passwords after clicking the 'Generate password' button.

C12 Program generate 10 passwords after click the 'Generate pas... ← →

Password Generator

Type	Priority	Assigned To	Estimate
Functional	High	None	None
References	Automation Type		
None	None		

Preconditions

1. Open the application.
2. Default settings are applied in the app.

Steps

1

Click the 'Generate password' button.

The program generates 10 passwords that meet the specified default conditions.

3. Generated passwords contained at least one character from the selected group of characters

C13 Generated passwords contained at least one character from selected group of characters ← →

Password Generator

Successfully updated the test case.

Type	Priority	Assigned To	Estimate
Functional	High	None	None
References	Automation Type		
None	None		

Preconditions

1. Open the application.
2. Default settings are applied in the app.

Steps

1

Click the 'Generate password' button.

The generated passwords must include at least one character from the selected group of characters

4. Generated passwords match the exact length specified by the user

C7 **Generated passwords match the exact length specified by the user**

Password Generator

Type Functional	Priority High	Assigned To None	Estimate None
References None	Automation Type None		

Preconditions

1. Open the application.
2. Default settings are applied in the app.

Steps

1

Clear the password length field.

The password length field is empty.

2

Enter any number greater than 8.
(e.g., number 24)

The number is entered.

3

Click the 'Generate password' button.

The program generates 10 passwords, each with a length set by the user.
(e.g., 10 passwords, each of which is 24 characters long).

5. Generate passwords for one selected character group and a default length

C3 **Generate passwords for one selected character group and a default length**

Password Generator

Type Functional	Priority High	Assigned To None	Estimate None
References None	Automation Type None		

Preconditions

1. Open the application.
2. Default settings are applied in the app.

Steps

1

Deselect the default character group checkboxes.

All character group checkboxes are deselected.

2

Select only ONE character group checkbox.
(e.g. 'Uppercase letters')

The character group checkbox is selected.

3

Click the 'Generate password' button.

The program generates 10 passwords with a default length containing characters ONLY from the selected character group.

6. Generate passwords for two selected character groups and the default length

C4 Generate passwords for two selected character groups and default length

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Password Generator

Type Functional	Priority High	Assigned To None	Estimate None
References None	Automation Type None		

Preconditions

1. Open the application.
2. Default settings are applied in the app.

Steps

1

Deselect the default character group checkboxes.

All character group checkboxes are deselected.

2

Select two character group checkboxes.
(e.g., 'Lowercase letters' and 'Special symbols').

The two checkboxes are selected.

3

Click the 'Generate password' button.

The program generated 10 passwords with a default length containing at least one character from each selected group.

7. Generate passwords for three selected character groups and a default length

C5 Generate passwords for three selected character group and a default length

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Password Generator

Type Functional	Priority High	Assigned To None	Estimate None
References None	Automation Type None		

Preconditions

1. Open the application.
2. Default settings are applied in the app.

Steps

1

Deselect the default character group checkboxes.

All character group checkboxes are deselected.

2

Select three character group checkboxes.
(e.g. 'Digits', 'Uppercase letters' and 'Special symbols' group)

The three checkboxes are selected.

3

Click the 'Generate password' button.

The program generates 10 passwords with a default length containing at least one character from each selected group.

8. Generate passwords for all (four) selected character groups and a default length

C6

Generate passwords for all (four) selected character group and a default length

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Password Generator

Type	Priority	Assigned To	Estimate
Functional	High	None	None
References	Automation Type		
None	None		

Preconditions

1. Open the application.

2. Default settings are applied in app.

Steps

1

Select all checkboxes.

All character group checkboxes are marked as selected.

2

Click the 'Generate password' button

The program generates 10 passwords with a default length that contains at least one character from each selected group

9. Generate NEW passwords after clicking the "Create Password" button a second time

C8

Generate NEW passwords after clicking the "Create Password" button a second time

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✎ Edit

Password Generator

Type	Priority	Assigned To	Estimate
Functional	High	None	None
References	Automation Type		
None	None		

Preconditions

1. Open the application.

2. The default settings are applied in the app.

Steps

1

Click the 'Generate password' button

The program generates 10 passwords that meet the specified conditions (length and selected character groups).

2

Click the 'Generate password' button again

The program generates 10 NEW passwords that do not match the previous ones and meet the specified conditions.

10. Generate passwords if no character group is selected

C10 **Generate passwords if no character group is selected**

Password Generator

Type Functional	Priority High	Assigned To None	Estimate None
References None	Automation Type None		

Preconditions

1. Open the application.
2. Default settings are applied in the app.

Steps

1

Deselect the default character group checkboxes.

No checkboxes selected for the character group.

2

Click the 'Generate password' button

The passwords are not generated, and an error message is displayed: "No character groups selected. Please select at least one."

11. Generate passwords when the user enters a number less than 8 in the password length field

C9 **Generate passwords when the user enters a number less than 8 in the password length field**

Password Generator

Type Functional	Priority Medium	Assigned To None	Estimate None
References None	Automation Type None		

Preconditions

1. Open the application.
2. Default settings are applied in the app.

Steps

1

Clear the password length field.

The password length field is empty.

2

Enter a positive number less than 8.
(e.g., enter number '1').

The password length field contains a positive number less than 8.

3

Click the 'Generate password' button

The password is not generated. An error message is shown: "The password length is too short. Minimum length must be 8 characters."

12. Generate passwords when the user enters a large number in the password length field

C15 **Generate passwords when the user enters a large number in the password length field** 

Password Generator

Type Functional	Priority Medium	Assigned To None	Estimate None
References None	Automation Type None		

Preconditions

1. Open the application.
2. Default settings are applied in the app.

Steps

1	Clear the password length field.	The password length field is empty.
2	Enter a number consisting of a large number of digits in the password length field (e.g., enter number 255).	The number entered in the password length field.
3	Click the 'Generate password' button.	10 passwords are generated with the user-entered length and correspond to the default character groups.