**Text manipulation in Power Automate for desktop**

In this exercise, you develop a flow that prompts the user for their first name and family name. The flow then generates a username by using the first letter of the user’s first name, appended to their family name in lowercase. Then, the system randomly generates a temporary password and displays the output to the user.

**Tasks**

For this exercise, you create a flow that will:

* Prompt a user to enter their first name and family name.
* Split the two names into separate strings of text.
* Shift the two strings to lowercase.
* Get the first letter of the first name.
* Generate a password randomly.
* Display a message with the username and password.

**Steps**

1. Add a **Display input dialog** action.
2. Set the **Input dialog title** property to **Name Input** and the **Input dialog message** property to **Please enter your first and last name (for example, Adele Vance)**. This action displays a message that prompts the user for input.
3. Add a **Split text** action to split the first name and family name into two separate strings of text. In the **Text to split** field, enter **%UserInput%**.
4. Add a **Change text case** action.
5. In the **Text to convert** field, enter **%TextList[0]%**.
6. With the index of a list type variable, provide the first item of the list, which is the first name. Set the **Convert to** property to **lowercase**.
7. Add another **Change text case** action. This time set the **Text to convert** property to **%TextList[1]%**, thus referencing the family name.
8. Set the **Convert to** property to **lowercase** again.

The output is stored in a different variable than the previous **Change text case** action.

1. Add a **Get subtext** action to get the first character of the first name.
2. In the **Original text** field, enter **%TextWithNewCase%** (the variable where the first name in lowercase is stored).
3. In the **Start index** section, set **Character position** to **0**.
4. In the **Length** section, set **Number of chars** to **1**. This setting gets the first character of the text string.
5. To generate a random password, add a **Create random text** action. The action’s properties can be left at their default values.
6. Add a **Display message** action, which displays a message box with the new username and password. In the **Message box title** field, enter **Username & Password**, and in the **Message to display** field, enter the following content:

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Hello, %UserInput%, your username is: %SubText%%TextWithNewCase2% Your temporary password is: %RandomText%

The username (first letter of first name, combined with family name) is displayed and the result of the **Generate random text** action shows as the user’s password.

The completed flow should look like the following figure.

