Sample Templates Document: GPS_Barcode01V.blu

Item Name	Value	Description
Variable	ABCDEFGHIJKLMNOP	Store the data in the STRING variable "GPS_Barcode01_String" set in the "Scanned String" property. * The variable source must be an internal variable. * If you want to store it in an external variable, please process it with a separate script.
Number of characters in data	12345	Store the number of data characters in the internal integer variable "GPS_Barcode01_Bytes" set by "Scanned String (bytes)" property.
Data Entry Complete Bit	OFF	When data input is complete, the value of "Preferences.InputCompletedFromUSBBarcodeReader" Target source property is set ON. * After the value of the source property is set ON, manually turn it back to OFF so you can confirm completion of the next input. The value in this property does NOT turn back OFF automatically.

This sample project stores the data read by the barcode reader in internal variables.
For details on the settings, please refer to [Project Explorer] - [System Architecture] - [Target01] - [Accessories] in the screen creation editor.

All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components.

When devices are used for applications with technical safety requirements, the relevant instructions must be followed.

Failure to use Schneider Electric software or approved software with our hardware products may result in injury, harm, or improper operating results.
Failure to observe this information can result in injury or equipment damage.

Safety Information

Important Information

NOTICE

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

The addition of this symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result** in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

PLEASE NOTE

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction and operation of electrical equipment and its installation, and has received safety training to recognize and avoid the hazards involved.

About the Book

At a Glance

Document Scope

This manual describes how to use this product.

Validity Note

This documentation is valid for this product.
The technical characteristics of the device(s) described in this manual also appear online at *http://www.pro-face.com*.

The characteristics presented in the present document should be the same as those that appear online. In line with our policy of constant improvement we may revise content over time to improve clarity and accuracy. In the event that you see a difference between the document and online information, use the online information as your reference.

Registered Trademarks

Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries.

Product names used in this manual may be the registered trademarks owned by the respective proprietors.

Related Documents

You can download the manuals related to this product, such as the software manual, from our support site at *http://www.pro-face.com/trans/en/manual/1001.html*.

Product Related Information

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

In the event this product does not run properly due to whatever reason, it may be difficult or impossible to identify a function. Functions that may present a hazard if not immediately executed, such as a fuel shut-off, must be provided independently of this product. The machine's control system design must take into account the operator being unable to control the machine or making mistakes in the control of the machine.

⚠ WARNING

UNINTENDED EQUIPMENT OPERATION

The application of this product requires expertise in the design and programming of control systems. Only persons with such expertise should be allowed to program, install, alter, and apply this product.

- Follow all local and national safety standards.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

For additional information, refer to NEMA ICS 1.1 (latest edition), "Safety Guidelines for the Application, Installation, and Maintenance of Solid State Control" and to NEMA ICS 7.1 (latest edition), "Safety Standards for Construction and Guide for Selection, Installation and Operation of Adjustable-Speed Drive Systems" or their equivalent governing your particular location.

Table of Content

Target: ST-6500WAD
Driver: None
BLUE version 3.3 SP1 or later

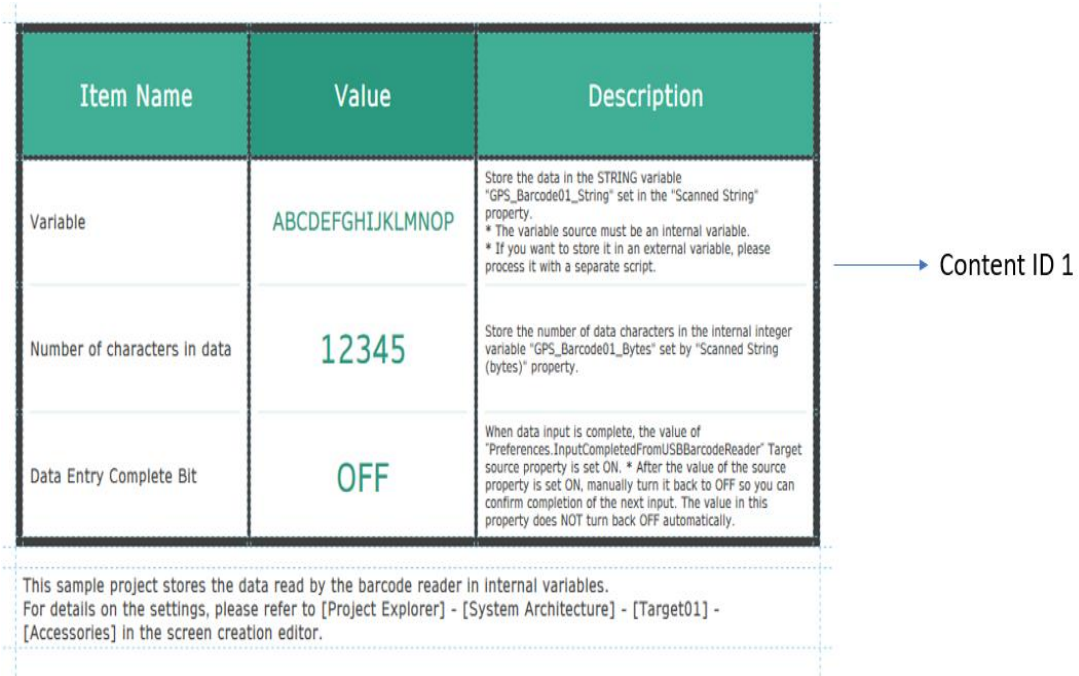
Template Overview

This template has a content which stores and displays the data (and number of characters in data) from a barcode reader. It also displays completion status of the input from barcode reader.

Project structure

On Simple_Demo screen, one content display is placed. Content display (Content1) is called in Simple_Demo screen.

Screen			
Simple_Demo	Content Display1 (Content ID: 1)	GPS_Barcode01V	Barcode value display in Variable



Run Time Behavior

Runtime/Simulation of this template has Variables to Store the data and number of characters in data from a barcode reader. It also displays completion status of the input from barcode reader.

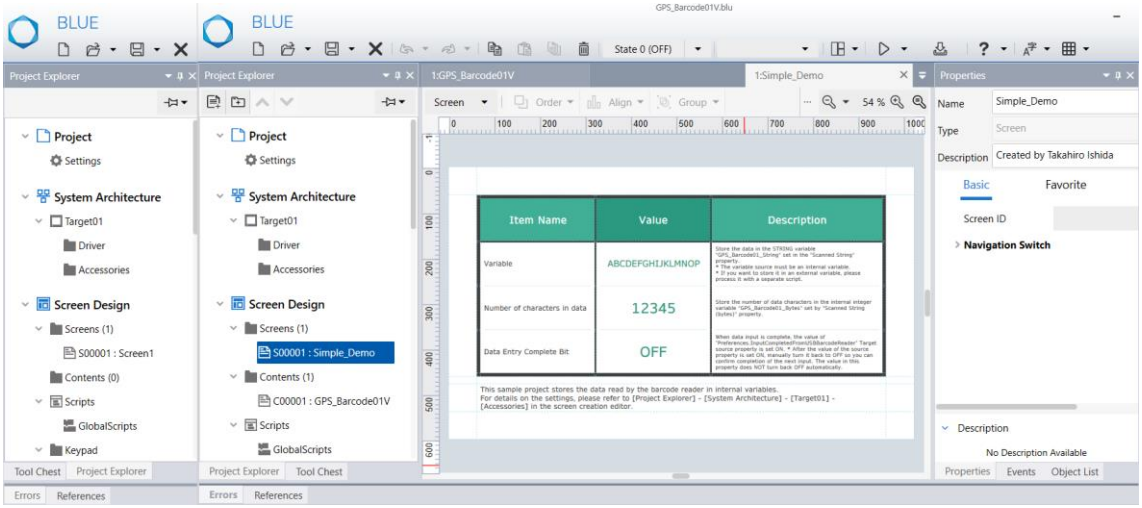
The value from bar code reader is stored in string variable and it is displayed in String display object.

The number of characters in value from bar code reader is stored in integer variable and it is displayed in Numeric display object.

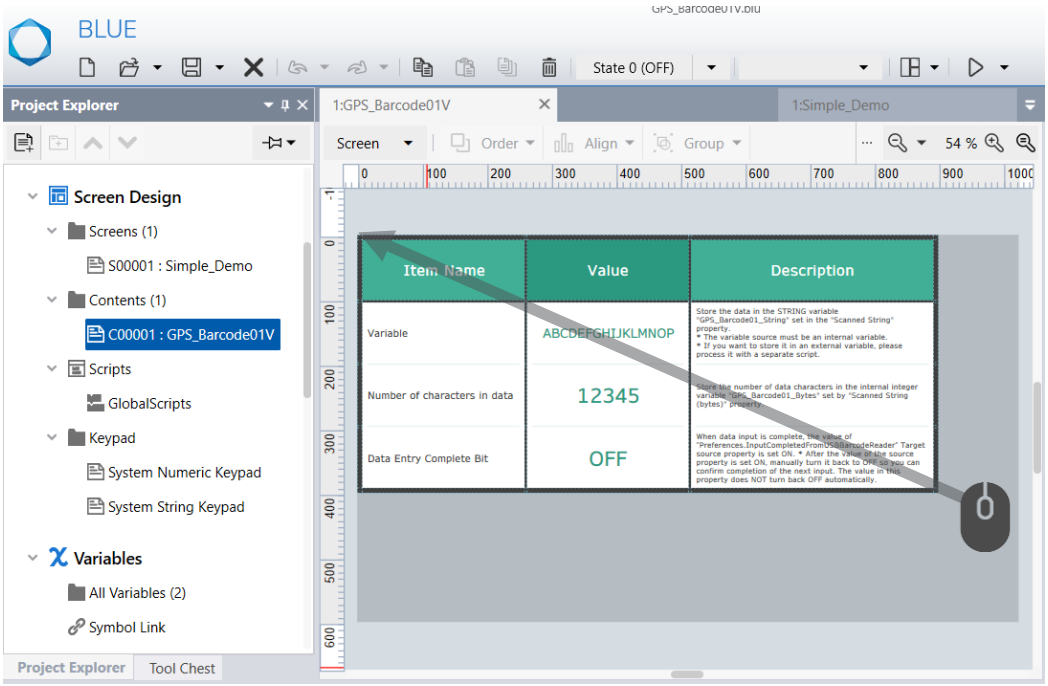
Completion of data read from Bar code reader is indicated by ON in Lamp object. Click on the Lamp object to reset to OFF.

How to copy the objects to your project file

1. Open your project file and downloaded project file simultaneously.

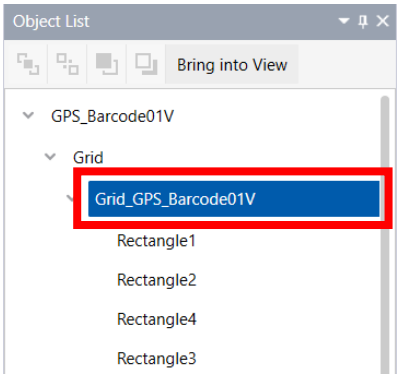


2. Open the downloaded project file and select the Grid object.
   - Click the desired Content from “Contents” and select the Grid parts by dragging the mouse



Or

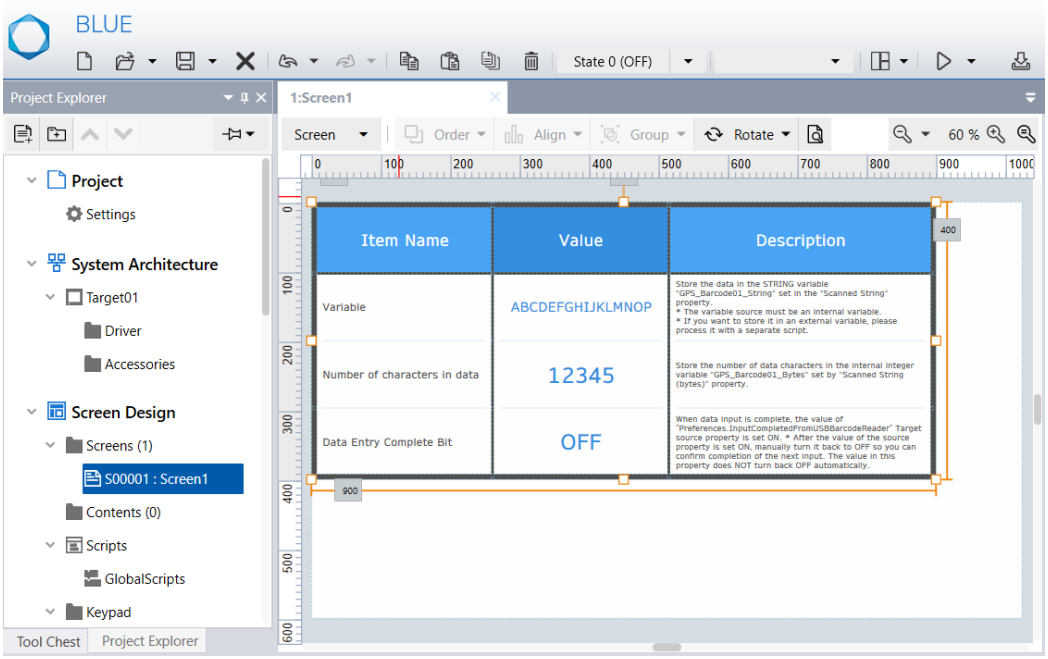
- In Object List, select Grid_GPS_Barcode01V object.



3. Copy the selected Grid object in content using copy icon in global Toolbar.

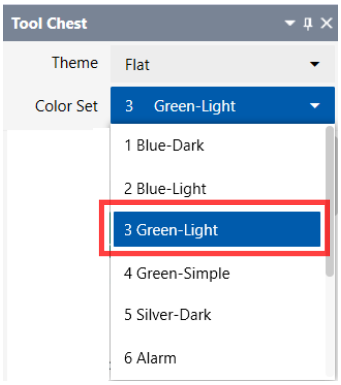
4. Open your project file, Select the screen that you want to paste it.

   Click on the screen area and then paste it using the paste icon from the global Toolbar.

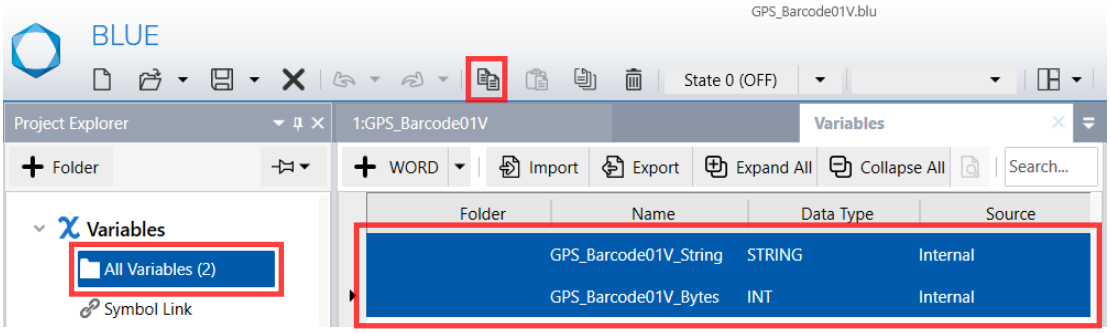


5. You can resize the object. For more details, refer [How to resize Barcode.]

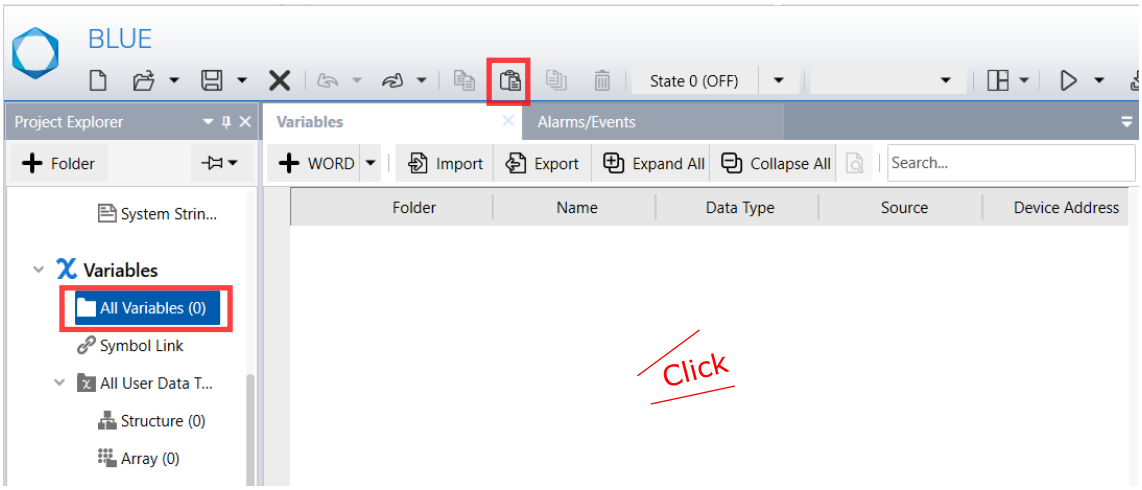
6. In your project file, select “3 Green-Light” from “Tool Chest” > “Color Set”.



7. Open downloaded project file and select “All variables”. Select all the displayed variables and click the copy icon from global Toolbar.

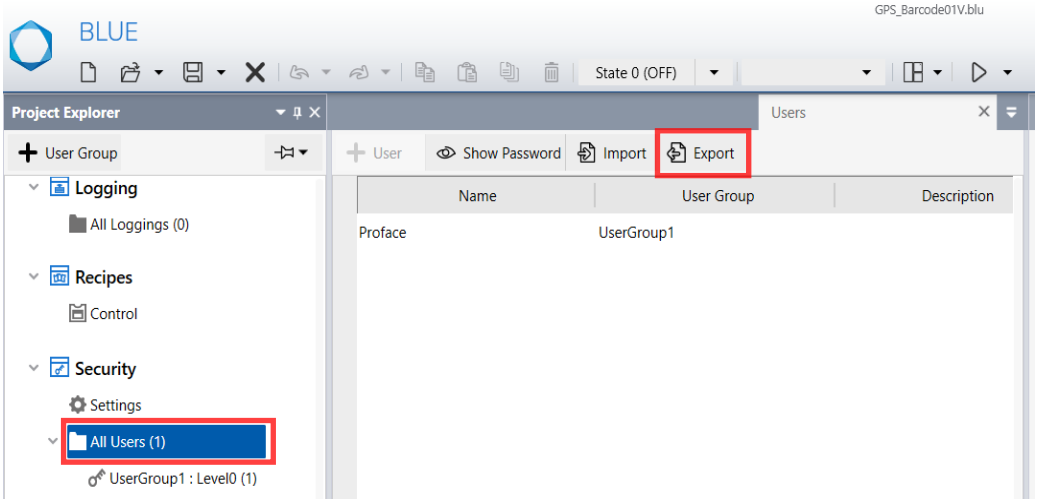


8. Open your project file and select “All variables”. Click on the variable screen and click paste icon from the global Toolbar.

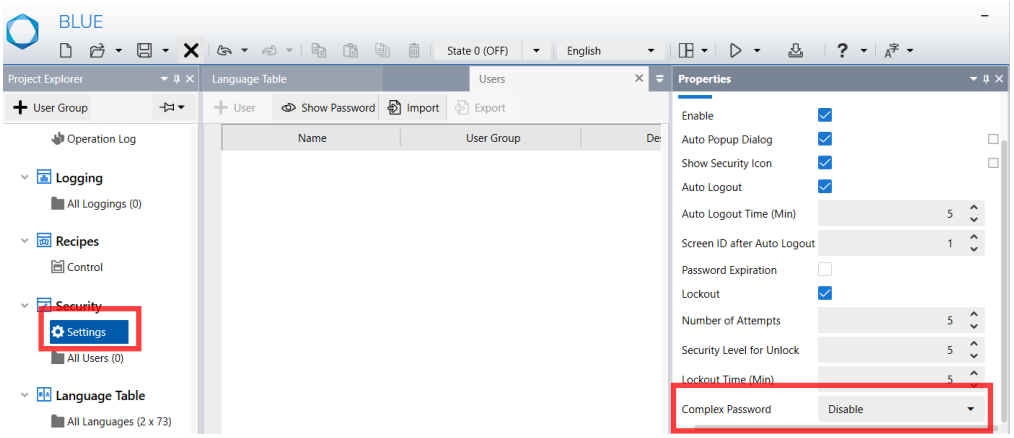


Note: You can also create your own variables to bind with Barcode. For more details, refer How to change Barcode Variables.

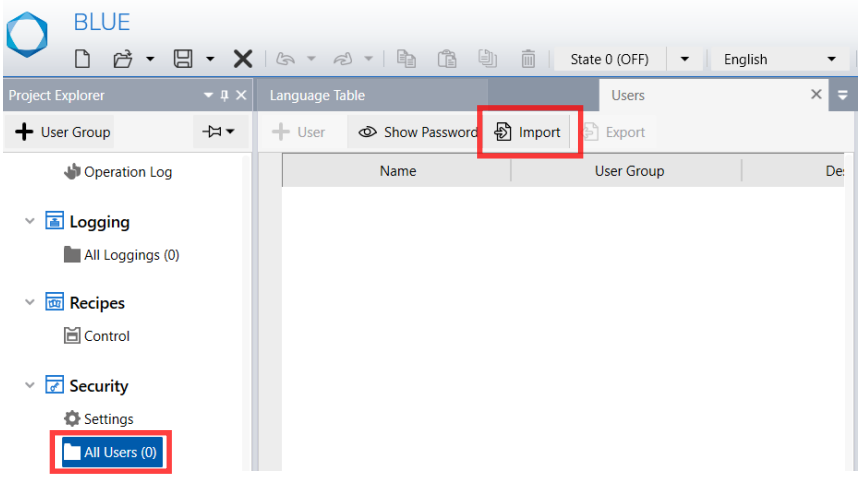
9. Open the downloaded project file, select “All Users”. Click the export icon from the local Toolbar and save in desired path.



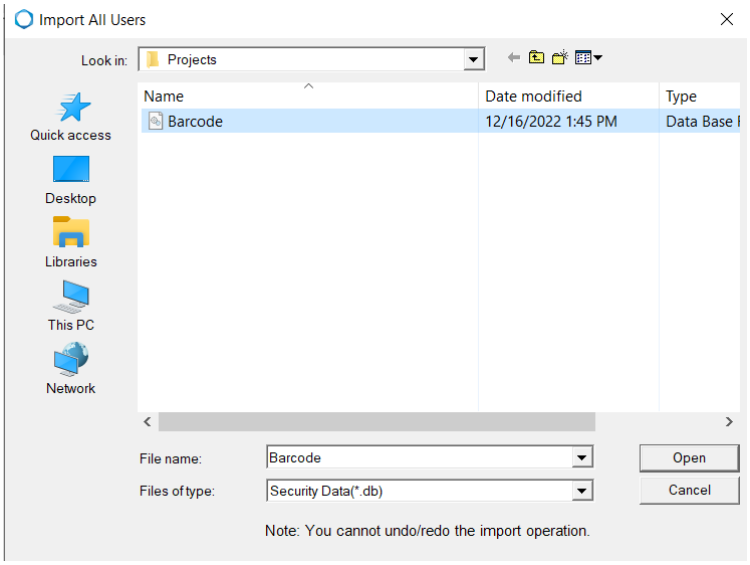
10. Open your project file, select Security > Settings. In Properties tab, Disable Complex password.



11. Select “All Users”. Click the import icon from the local Toolbar.



12. Select the path (where it is exported), File name, File Type and Click Open.



Result: All Users will be imported to your project.

Note: You can also use your own Users settings. For more details, refer How to Configure User Management.

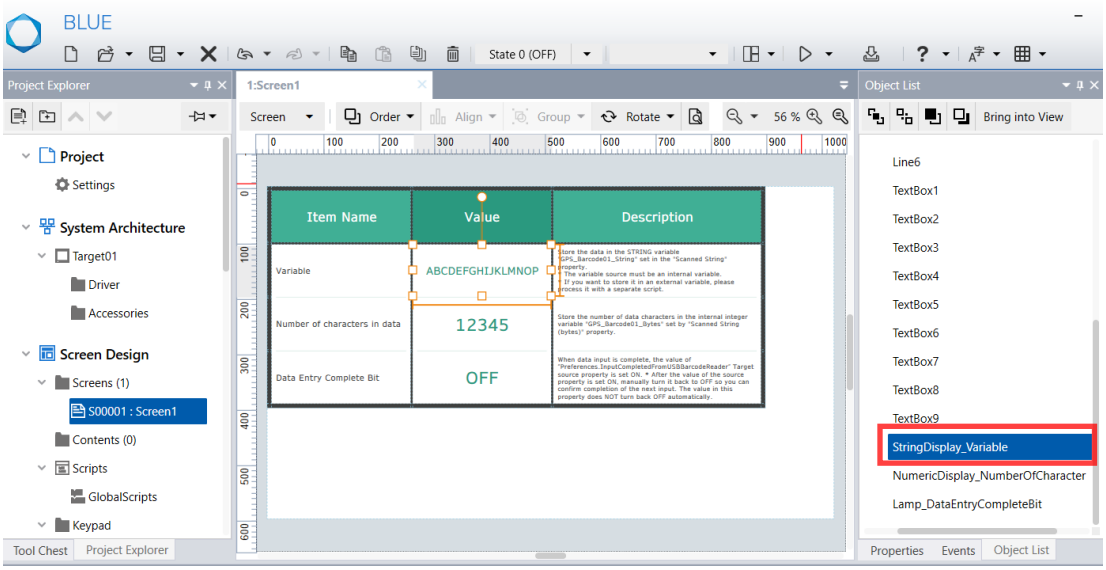
How to change Barcode Variables

When you replace default variable with other variable, make sure they are replaced in respective places.

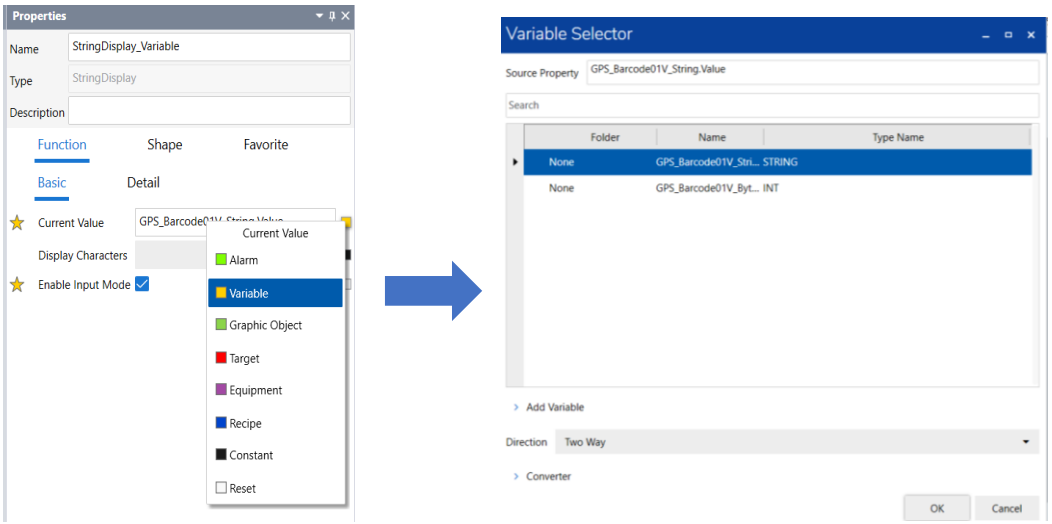
Table1

Purpose	Objects	Variable	Initial Value
Store Data (Variables)	StringDisplay_Variable	GPS_Barcode01V_String	No Data
Store Number of Characters in Data	NumericDisplay_NumberOfCharacter	GPS_Barcode01V_Bytes	-

1. Open your project, in the desired screen (where Grid object is placed), select StringDisplay_Variable from Object List.



2. In Properties tab, select **Function > Basic** > **Current Value** and bind the desired variable from variable selector.

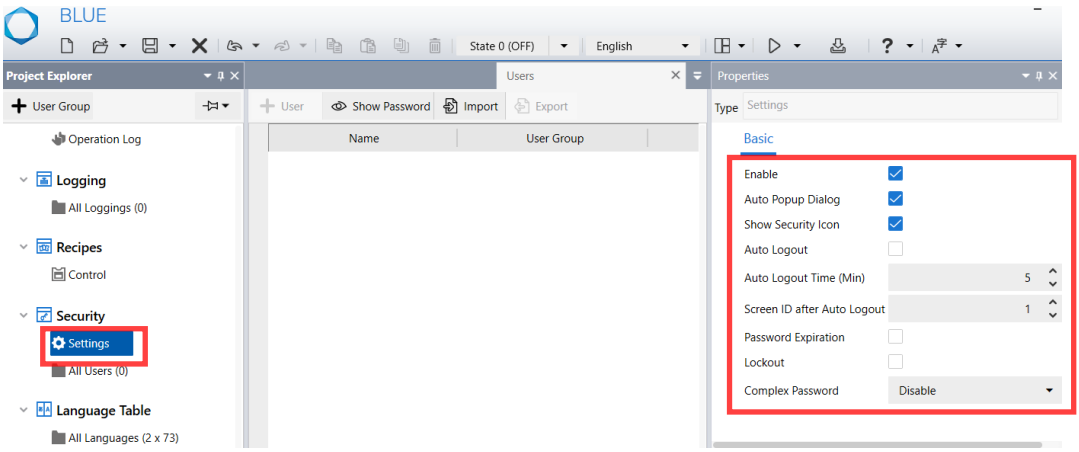


3. Repeat step 1 & 2 for NumericDisplay_NumberOfCharacter with their respective variables. For more details, refer Table1.

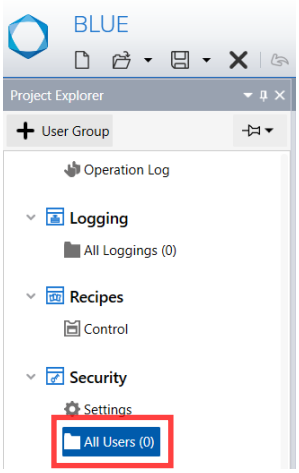
How to Configure User Management

To add required users in your project, follow below steps:

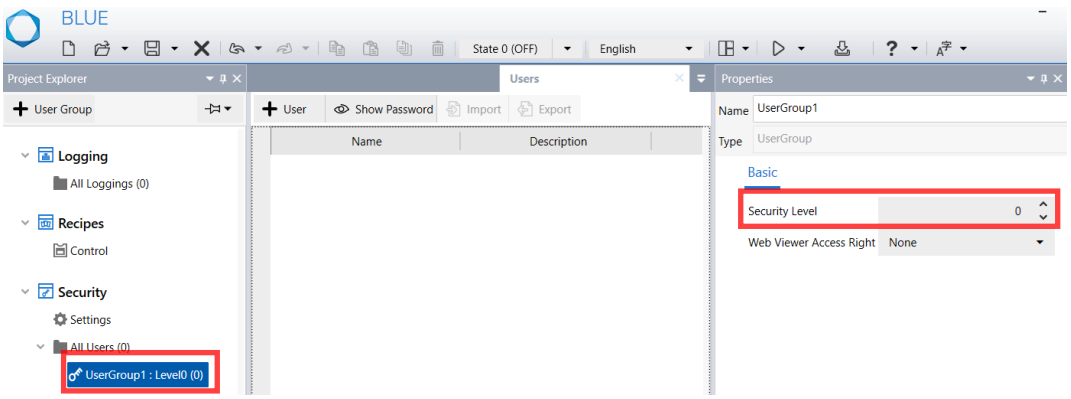
1. Select Security > Settings. In Properties tab, configure complex Password & other properties as per your requirement.



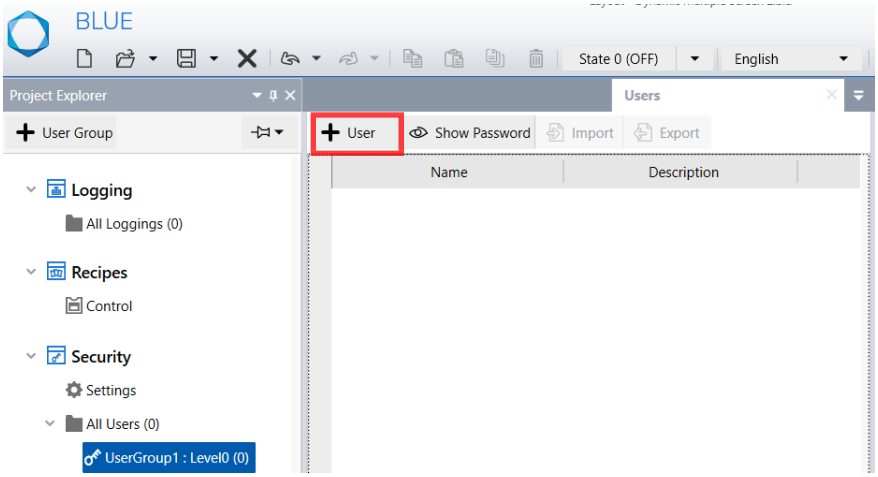
2. Select Security > All Users. Click Add User Group icon.



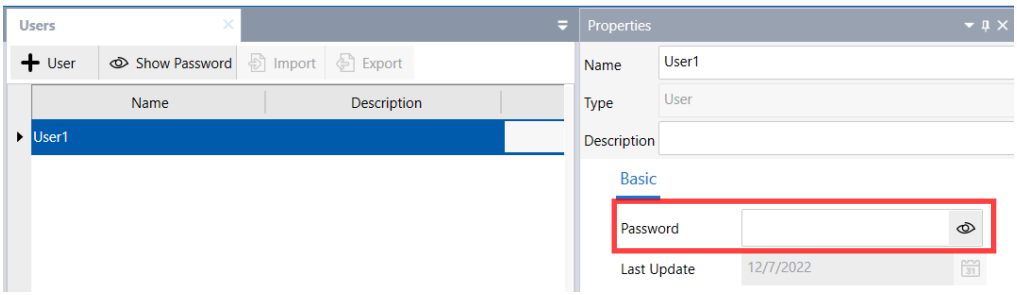
3. Select new user group added. In Properties tab, configure security Level.



4. Click Add user icon in the editor local toolbar.



5. Select the user. In properties tab, configure name and password as required.

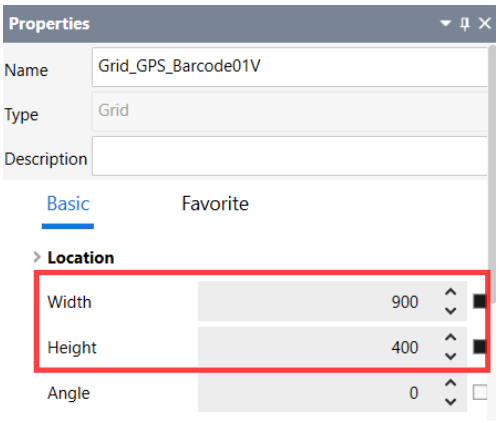


6. Repeat step 2&3 to add user group and step 4, 5 to add new users, as per your requirement.

How to Resize Barcode

1. Select screen (where Barcode object is placed) and then select the Grid parts.

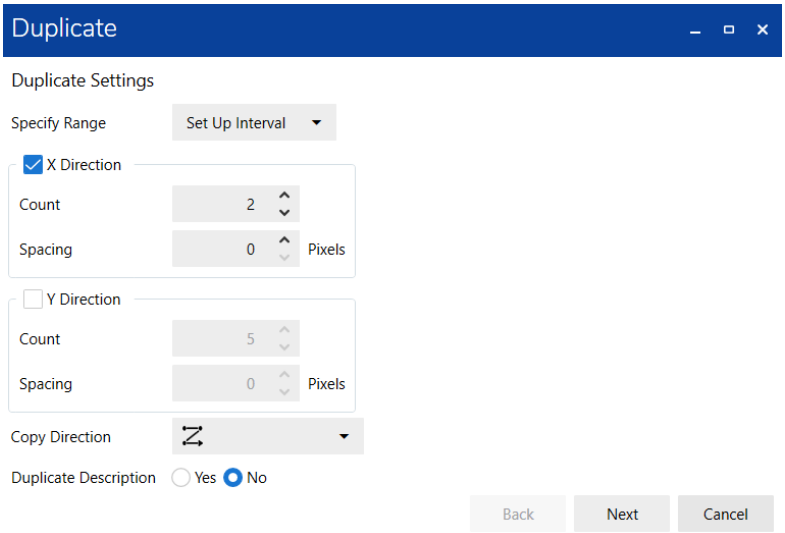
2. In properties tab, change the value of Width and Height.



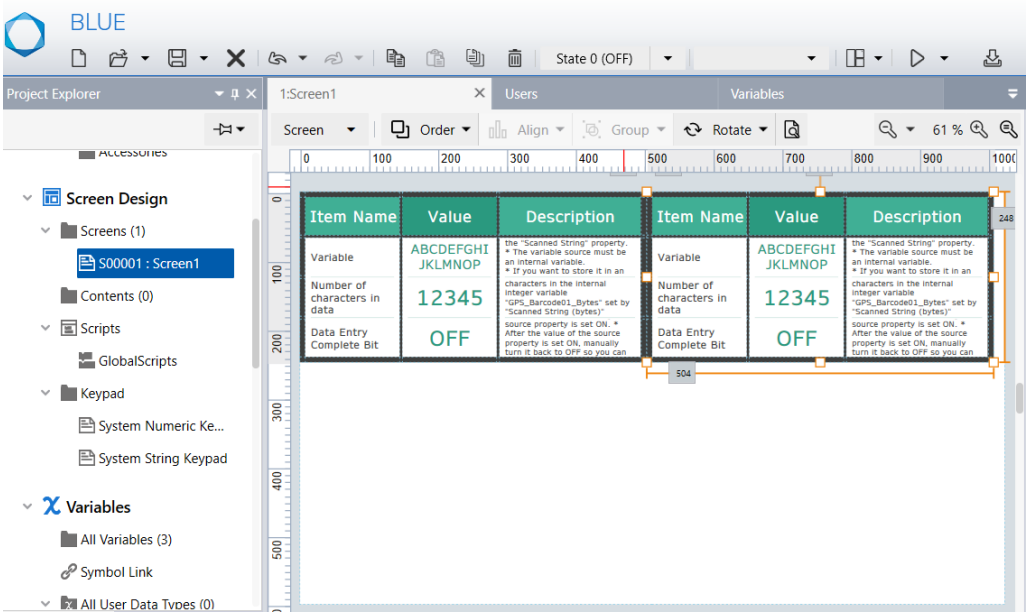
Note: Modify the font size of text in content to fit as per the new size change.

How to Duplicate Grid Parts

1. In screen, select the Grid parts and click the duplicate icon.
   Result: Duplicate window appears
2. Select all desired fields (direction to copy, the number, increment source property ….) and click “Duplicate”



Result: The Grid parts are duplicated.



Note:

Duplicate feature can be used, only if common variable is used.

To use an independent Grid object, repeat the below steps,

- Rename the Variable of first Grid object.
- Execute Copying of Grid Object again from template project. For more details, refer [How to copy the objects to your project file](#).

How to Move the Grid Parts

To move the Grid Parts, select the Grid Parts by dragging a mouse and click the outside frame (within 8 pixels) and move it. Else, the form of the Grid Parts will not be kept.