# Best programming language to deal with Visio

VBA is embedded within Visio and is the most straightforward way to create custom buttons and automate tasks.

# Getting Started

Example of creating a custom button using VBA:

1. Open Visio and press **Alt + F11** to open the VBA editor.
2. Insert a new module.
3. Add a VBA subroutine to create the button.

# VSTO

To create a Visio plugin (also known as an add-in) that is available for all Visio files and installations, you can use Visual Studio Tools for Office (VSTO). VSTO allows you to create a robust add-in that integrates seamlessly with the Visio Ribbon interface.

## Set Up Your Development Environment:

1. Ensure you have Visual Studio installed (Community, Professional, or Enterprise edition).
2. Install the VSTO development tools, which are included with Visual Studio.

## Create a New VSTO Add-in Project:

* 1. Open Visual Studio. (**Install visual studio**)
  2. Create a new project: **File > New > Project**.
  3. Select **Office/SharePoint > Office Add-ins > Visio VSTO Add-in**.
  4. Name your project and click **Create**.

## Add a Ribbon to the Project:

1. In the Solution Explorer, right-click your project, select **Add > New Item**.
2. Choose **Ribbon (Visual Designer)** and name it (e.g., **HelloWorldRibbon**).
3. This will open the Ribbon designer where you can visually design the Ribbon interface.

## Design the Ribbon Interface:

1. In the Ribbon designer, add a new **Tab**.
2. Inside the tab, add a **Group**.
3. Inside the group, add a **Button**.
4. Set the **Label** property of the button to "Hello World".

## Add Event Handler for the Button:

* 1. Double-click the button in the designer to create an event handler.
  2. Add the following code to display a message box when the button is clicked: