Analysis for button control

This article explains different types of analysis performed for creating a button control. Let’s start with the requirement

# Requirement Analysis

* Good-looking – Should look better than standard button control
* Interactive – During mouse hover and leave, button should be highlighted
* Text placement(near, far and center) and positon(left, right top and bottom) options – this combination enables us to position text in 12 different automatically calculated position
* Text Rotation – text can be rotated in any degree
* Text wrapping, hiding, etc - for long text or text with large font
* Displaying text in multiple lines
* Exporting to bitmap or metafile
* Theming

# Analyzing a standard button control

First step is to analyze the properties, methods and events available in a standard button control

## Properties in a standard button control

Following table lists all the properties available in a standard button control along with info like their type and use

|  |  |  |  |
| --- | --- | --- | --- |
| **Property Name** | **Type** | **Description** | **Required** |
| AutoEllipsis | bool | Property to enable or disable text wrapping | Yes |
| AutoSize | bool | Button will be resized based on its content if this property is enabled | Yes |
| AutoSizeMode | AutoSizeMode | This property controls how resizing should happen like grow only or grow and shrink | Yes |
| BackColor | Color | Background Color for Button | Yes |
| DialogResult | DialogResult | Returns a DialogResult to the form when clicked | Yes |
| FlatAppearance | FlatButtonAppearance | Gets the appearance of the border and colors used to indicate check state and mouse state. This property provides options to customize border color, border width, checked back color, mouse down back color, mouse over back color, |  |
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