


# Basic UI controls


Windows Programming with WinUI

# Quick start example

# Simple screen

## Profile





 Please tell us some information about yourself

Enter your name:

Salute

## Profile



 Please tell us some information about yourself

Enter your name:

### Thông tin

Hello, Long

OK

# Things to consider

- ❑ **Window**: **Activated**, Title, *Width? Height?*
- ❑ **StackPanel** > Hot reload
- ❑ **TextBlock**: Name, Text, Style, TextTrimming
  - ❑ **SymbolIcon**
- ❑ **TextBox**: Name, Text, Header
- ❑ **Button**: Name, Content, **Click**
- ❑ **Image**: Name, Source
  - ❑ Set image by code behind
- ❑ **ContentDialog**: Buttons

# Exercises

1. Inspiring quotes
2. English vocabulary
3. Landmarks
4. Nation flags
5. Football players

# ContentDialog - Which button is clicked?

## Xác nhận

Bạn có muốn lưu trước khi thoát không?

Lưu

Không lưu

Hủy bỏ

```
var dialog = new ContentDialog()
{
    XamlRoot = this.Content.XamlRoot,
    Title = "Xác nhận",
    Content = "Bạn có muốn lưu trước khi thoát không?",
    PrimaryButtonText = "Lưu",
    SecondaryButtonText = "Không lưu",
    CloseButtonText = "Hủy bỏ"
};

var result = await dialog.ShowAsync();

if (result == ContentDialogResult.Primary){ }
else if (result == ContentDialogResult.Secondary) { }
else { }
```

# Content Dialog - Customize content

Xác nhận



Bạn có muốn lưu trước khi thoát không?

Lưu

Không lưu

Hủy bỏ

```
var content = new StackPanel() {
    Children = {
        new Image() {
            Width = 50, Height = 50,
            Source = new BitmapImage(new Uri("ms-appx:///Assets/store.png"))
        },
        new TextBlock() {
            Text = "Bạn có muốn lưu trước khi thoát không?",
            Foreground = new SolidColorBrush(Colors.Red),
        }
    }
};

var dialog = new ContentDialog() {
    XamlRoot = this.Content.XamlRoot,
    Content = content,
    DefaultButton = ContentDialogButton.Primary,
```
















# Display another window

```
var screen = new DashboardWindow();  
screen.Activate();  
  
this.Close();
```



# Getting input

# WinUI Gallery Basic input

 <b>Button</b> A control that responds to user input and raises a Click event.	 <b>CheckBox</b> A control that a user can select or clear.	 <b>ColorPicker</b> A control that displays a selectable color spectrum.
 <b>ComboBox</b> A drop-down list of items a user can select from.	 <b>DropDownButton</b> A button that displays a flyout of choices when clicked.	 <b>HyperlinkButton</b> A button that appears as hyperlink text, and can navigate to a URI or handle a Click event.
 <b>InputValidation</b> A feature to display developer-defined errors for text values	 <b>RadioButton</b> A control that allows a user to select a single option from a group of options.	 <b>RatingControl</b> Rate something 1 to 5 stars.
 <b>RepeatButton</b> A button that raises its Click event repeatedly from the time it's pressed until it's released.	 <b>Slider</b> A control that lets the user select from a range of values by moving a Thumb control along a track.	 <b>SplitButton</b> A two-part button that displays a flyout when its secondary part is clicked.
 <b>ToggleButton</b> A button that can be switched between two states like a CheckBox.	 <b>ToggleSplitButton</b> A version of the SplitButton where the activation target toggles on/off.	 <b>ToggleSwitch</b> A switch that can be toggled between 2 states.

# Button

Accent style button

Source code

XAML

```
<Button Style="{StaticResource AccentButtonStyle}" Content="Accent style button" />
```



Dashboard

**Image** inside button




Settings

**SymbolIcon** inside button

# CheckBox

**Application Options**

☐ Enable feature **Quick Save**

☒ Enable feature **Auto backup** 

☐ Enable feature **Premium theme**

☐ Unchecked ☒ Two-state ☐ Three-state

- ❏ IsChecked (**true** / **false** / **null**) / IsThreeState
- ❏ Checked / UnChecked / Indeterminate

# Exercise - Checkbox combination

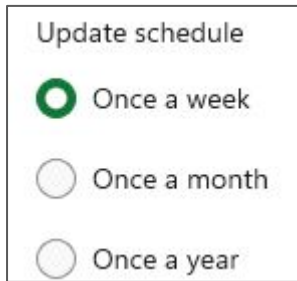
☒ Select all

☐ Option 1

☒ Option 2

☐ Option 3

# RadioButton



- ❏ RadioButtons: Header
- ❏ IsChecked / IsThreeState
- ❏ Checked / Unchecked / Indeterminate

# Other type of button

- ❑ HyperlinkButton
- ❑ DropDownButton
- ❑ Slider
- ❑ ProgressBar / ProgressRing
- ❑ ToggleButton