

ASAC - Mobile Application development - Section 1

Assignment - 2 Reading

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1. Network Image

Network image is a widget that can make the application display image from the internet (hosted on the web) by using the URL of the image

The constructor of the network image is: `Image.network()`

2. Borders for a container

This class is used for the container to make a border of a box comprised for the four sides of the container AKA (Top, down, right, left)

The constructors of the Border Class are:

- **The main constructor for the Border is:** `Border({BorderSide top = BorderSide.none, BorderSide right = BorderSide.none, BorderSide bottom = BorderSide.none, BorderSide left = BorderSide.none})`
- **Border All :** this constructor sustained border that is the same size and color on all sides `Border.all({Color color = const Color(0xFF000000), double width = 1.0, BorderStyle style = BorderStyle.solid})`
- **Border.fromBorderSide :** This Constructor Makes a border for all the same sides.

`Border.fromBorderSide(BorderSide side)`

3. Border radios

This Widget should depict/Make the container have a rounded/ curve edges .

The constructor for it is:

`BorderRadius.all(Radius radius)`

And there is plenty of ways to use this Widget, for example: BorderRadius.Circle / BorderRadius.horizontal / BorderRadius.only and more .

4. Padding and margin have something called

The padding widget is used when the design of the application is crowded or messy , it adds some distance/Space between the other widgets or any UI objects

The constructor of padding is:

`Padding({Key? key, required EdgeInsetsGeometry padding, Widget? child})`

5. EdgeInsets.fromLTRB

EdgeInsets is an implementation of the abstract class EdgeInsetsGeometry its use to let the padding for example know how much space it needs to exceeds .

The constructor of the EdgeInsets.fromLTRB is:

`EdgeInsets.fromLTRB(`

- `double` left,
 - `double` top,
 - `double` right,
 - `double` bottom
-)

6. EdgeInsets.Symmetric

provides symmetrical vertical and horizontal offsets for Insets.

The constructor of EdgeInsets.Symmetric is:

`EdgeInsets.symmetric(`

- `{double vertical = 0.0,`
 - `double horizontal = 0.0}`
-)

Links

<https://api.flutter.dev/index.html>