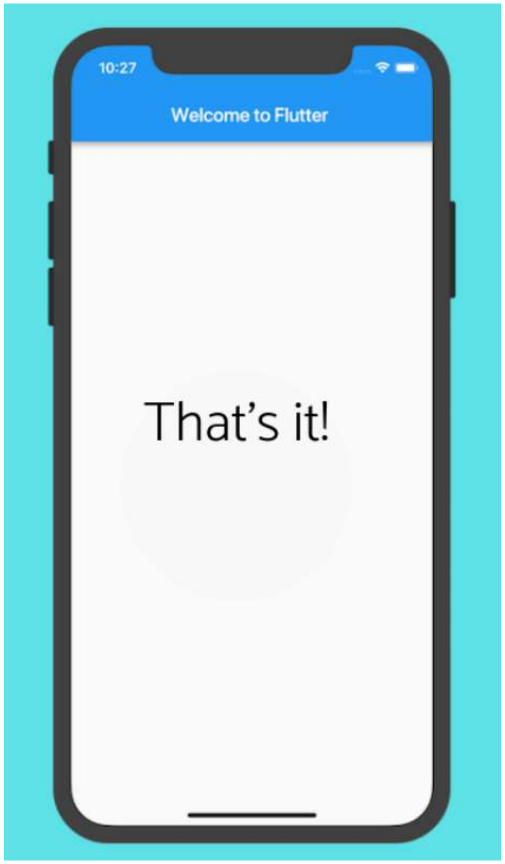
Flutter Body



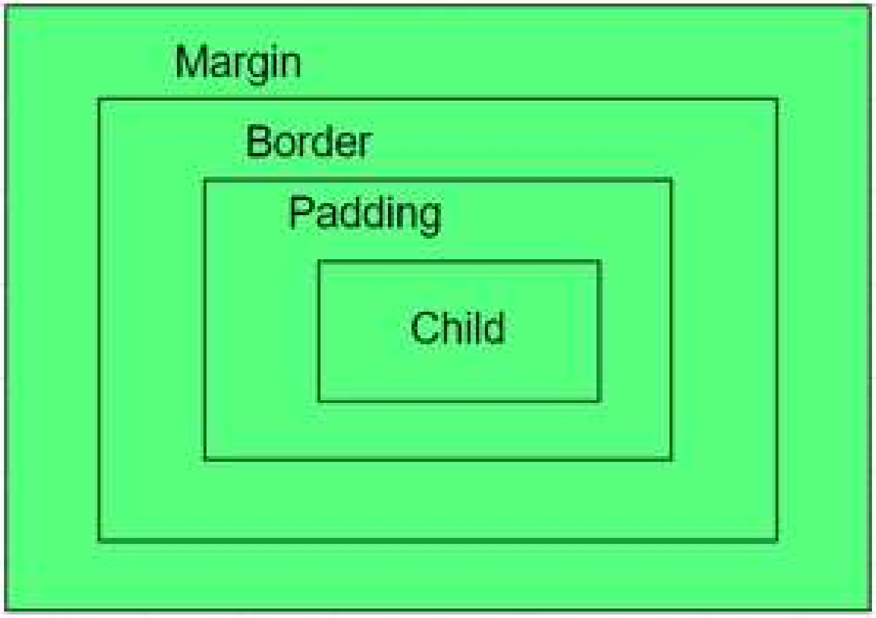
10:27

Welcome to Flutter

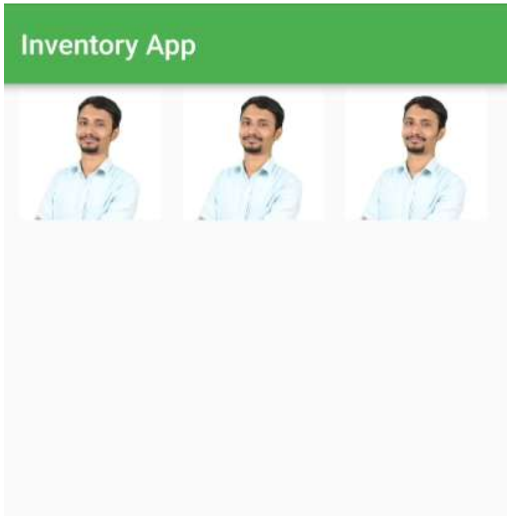
That’s it!

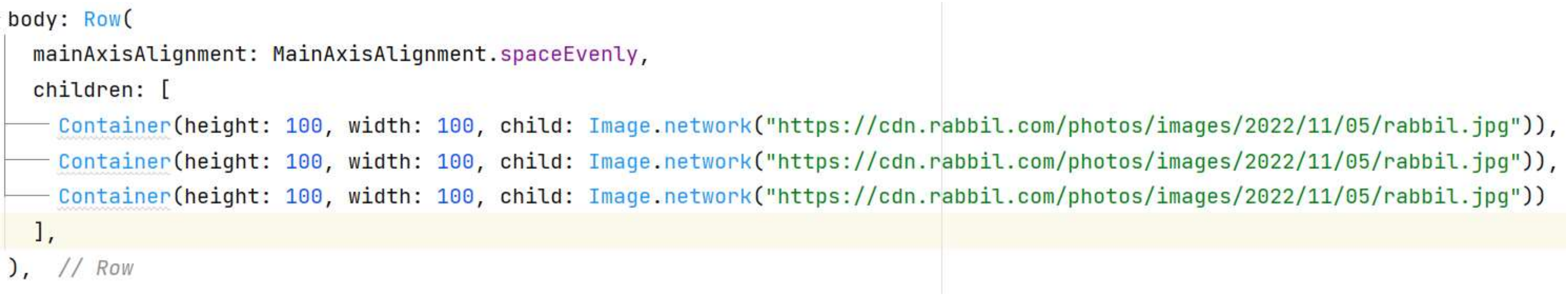
Container in Flutter

Container class in flutter is a convenience widget that combines common painting, positioning, and sizing of widgets.



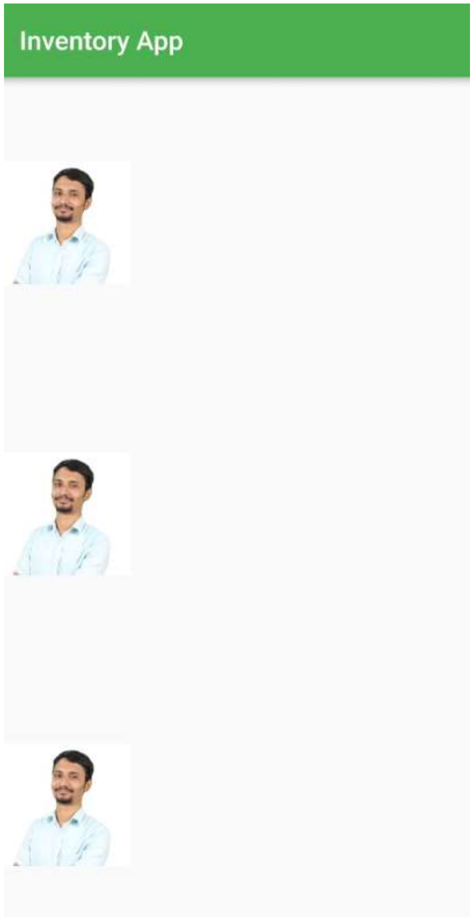
Flutter Row With Container

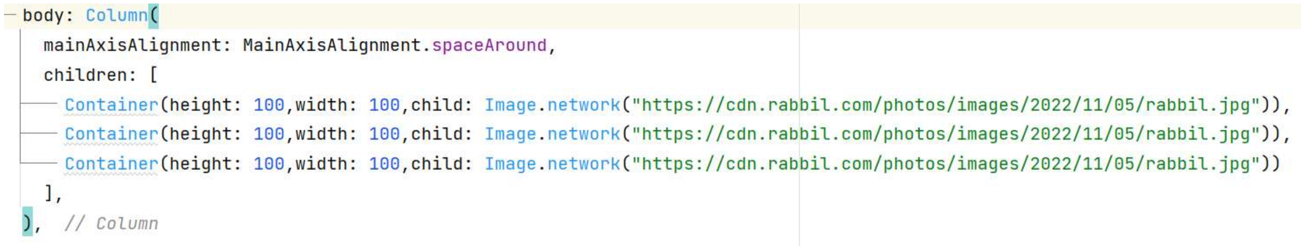




```
body: Row(
  mainAxisAlignment: MainAxisAlignment.spaceEvenly,
  children: [
    Container(height: 100, width: 100, child: Image.network("https://cdn.rabbil.com/photos/images/2022/11/05/rabbil.jpg")),
    Container(height: 100, width: 100, child: Image.network("https://cdn.rabbil.com/photos/images/2022/11/05/rabbil.jpg")),
    Container(height: 100, width: 100, child: Image.network("https://cdn.rabbil.com/photos/images/2022/11/05/rabbil.jpg"))
  ],
),  // Row
```

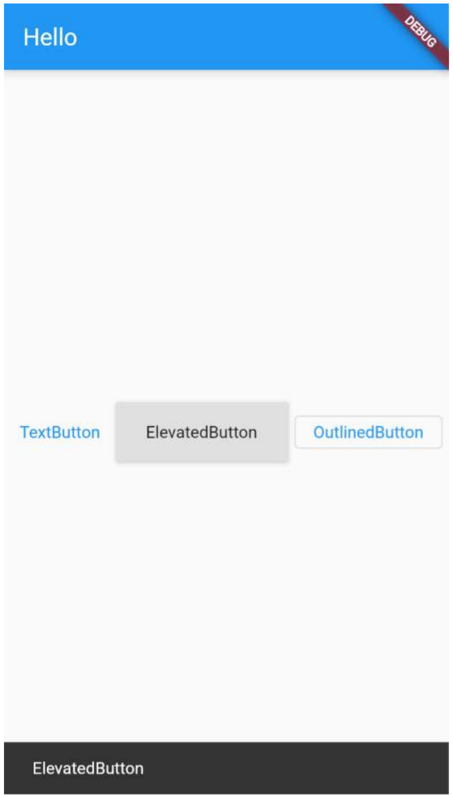
Flutter Column With Container





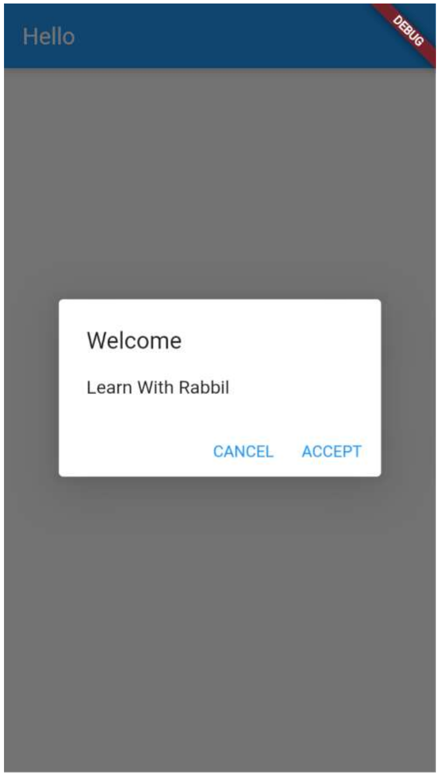
```
body: Column(
  mainAxisAlignment: MainAxisAlignment.spaceAround,
  children: [
    Container(height: 100,width: 100,child: Image.network("https://cdn.rabbil.com/photos/images/2022/11/05/rabbil.jpg")),
    Container(height: 100,width: 100,child: Image.network("https://cdn.rabbil.com/photos/images/2022/11/05/rabbil.jpg")),
    Container(height: 100,width: 100,child: Image.network("https://cdn.rabbil.com/photos/images/2022/11/05/rabbil.jpg"))
  ],
),  // Column
```

Flutter Button



- Elevated Button
- Text Button
- Outline Button

Alert Dialog

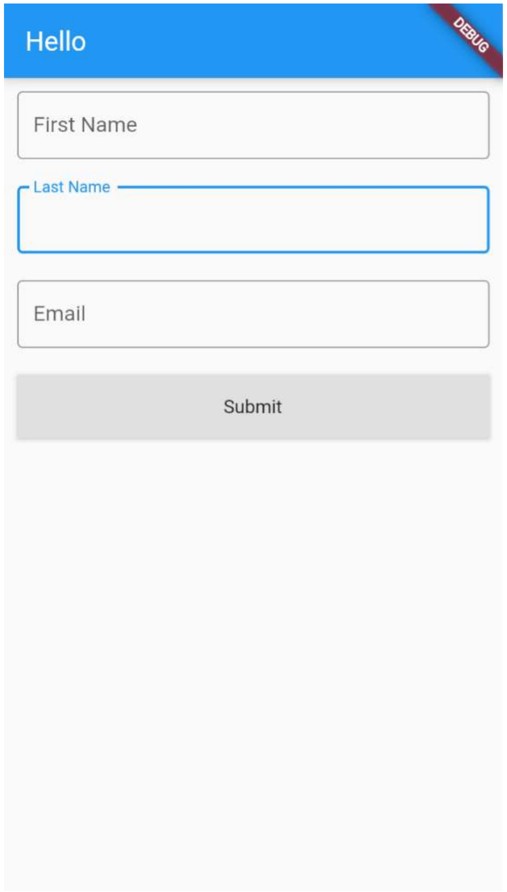


Hello

Welcome

Learn With Rabbil

Simple Form



Hello

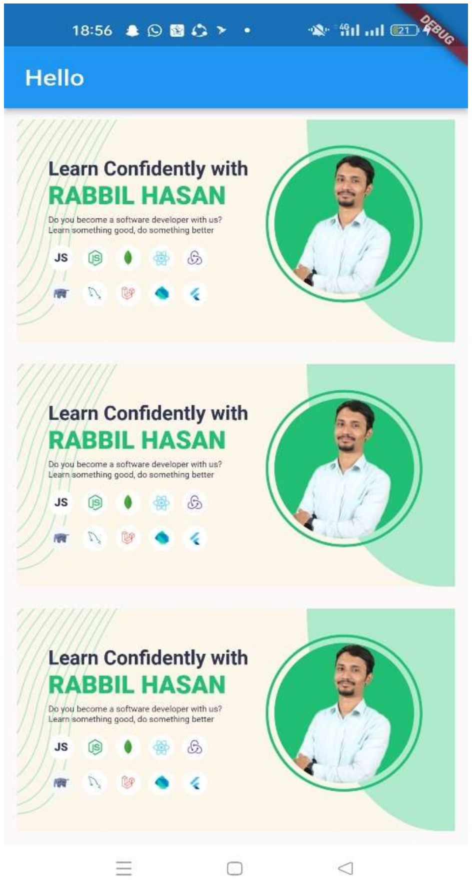
First Name

Last Name

Email

Submit

List View Builder From Array



18:56

DEBUG

Hello

Learn Confidently with
RABBIL HASAN
Do you become a software developer with us?
Learn something good, do something better

Learn Confidently with
RABBIL HASAN
Do you become a software developer with us?
Learn something good, do something better

Learn Confidently with
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Do you become a software developer with us?
Learn something good, do something better

Step 01: JSON Array

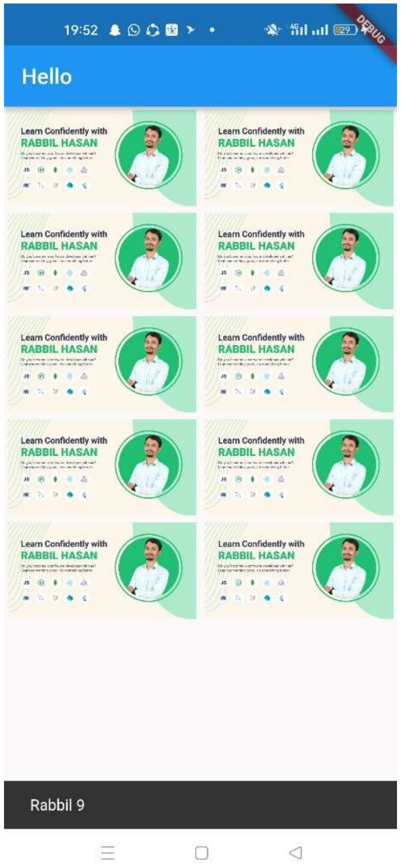
Step 02: List View Builder

Step 03: Gesture Detector

Step 04: List Item

Step 05: List Item On Tap/On Press

Grid View Builder From Array



Step 01: JSON Array

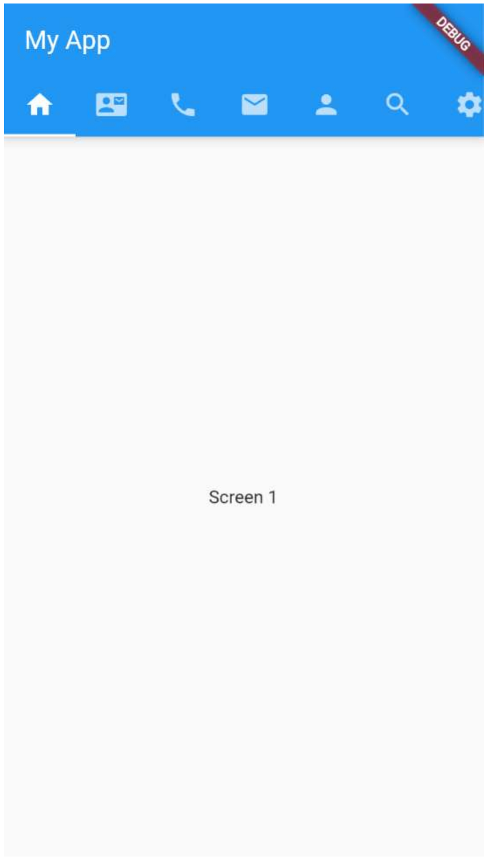
Step 02: Grid View Builder

Step 03: Gesture Detector

Step 04: Grid Item

Step 05: Grid Item On Tap/On Press

Tab Bar / Activity/ Fragment

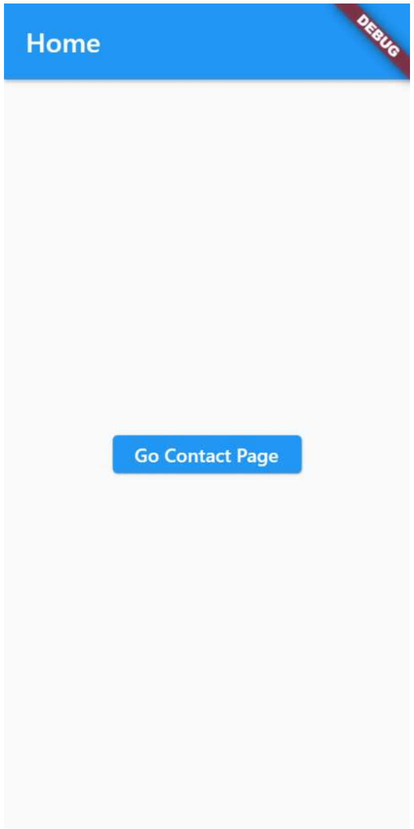


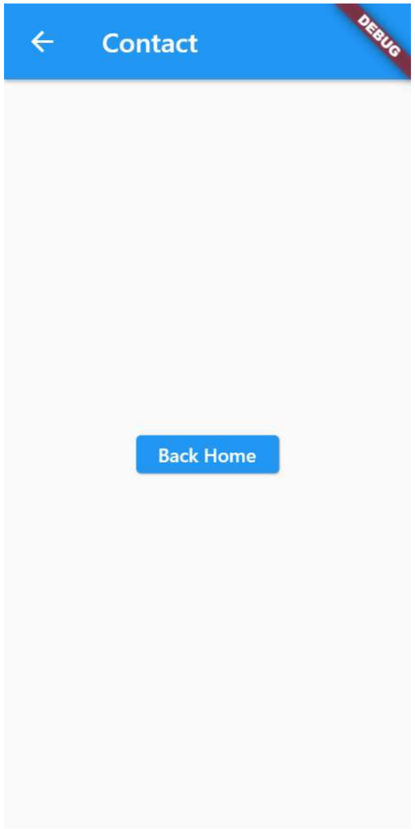
My App

DEBUG

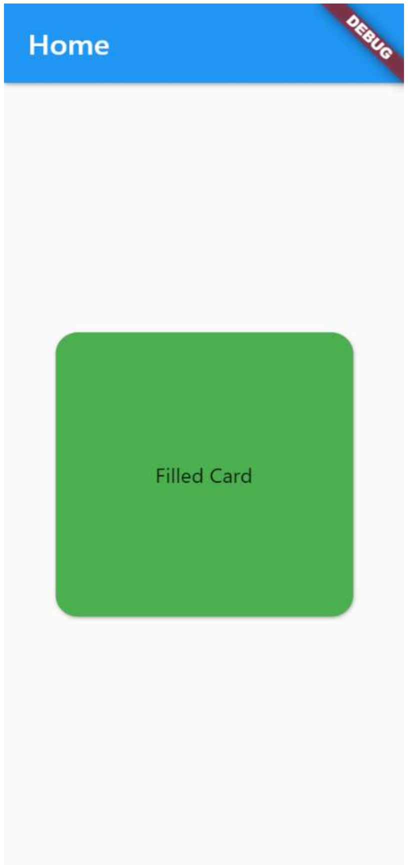
Screen 1

Navigation

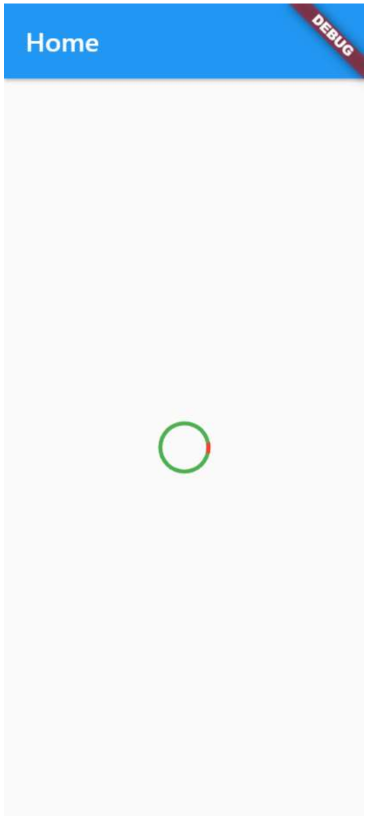




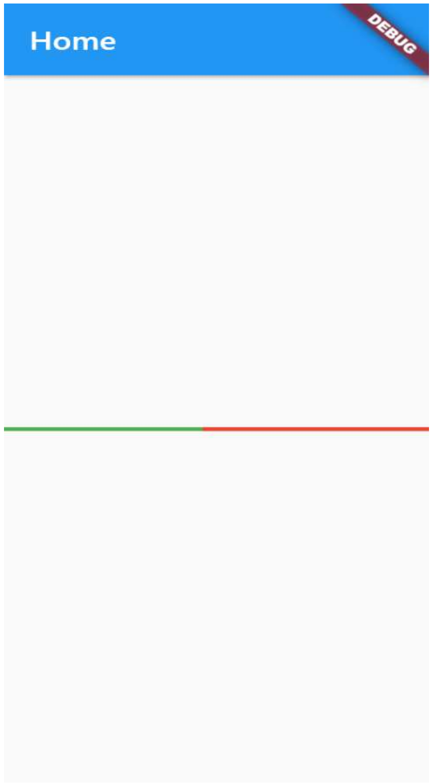
Working With Card Shape



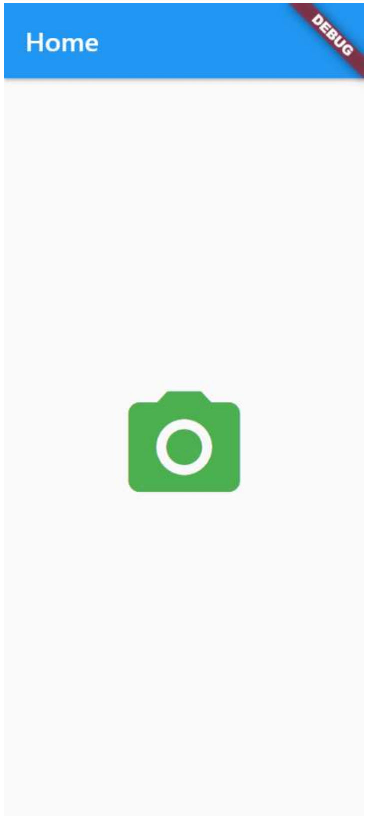
Working With Circular progress



Working With Linear progress



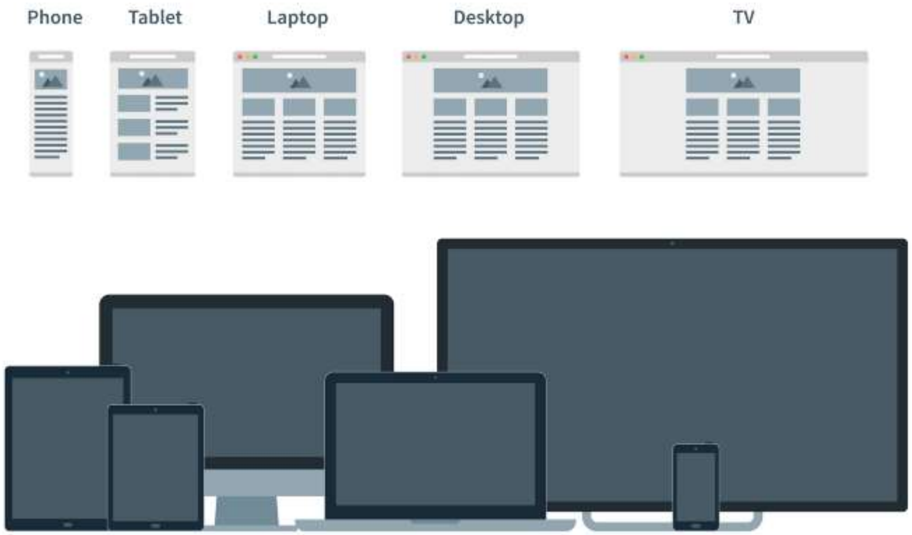
Icons Class In Flutter



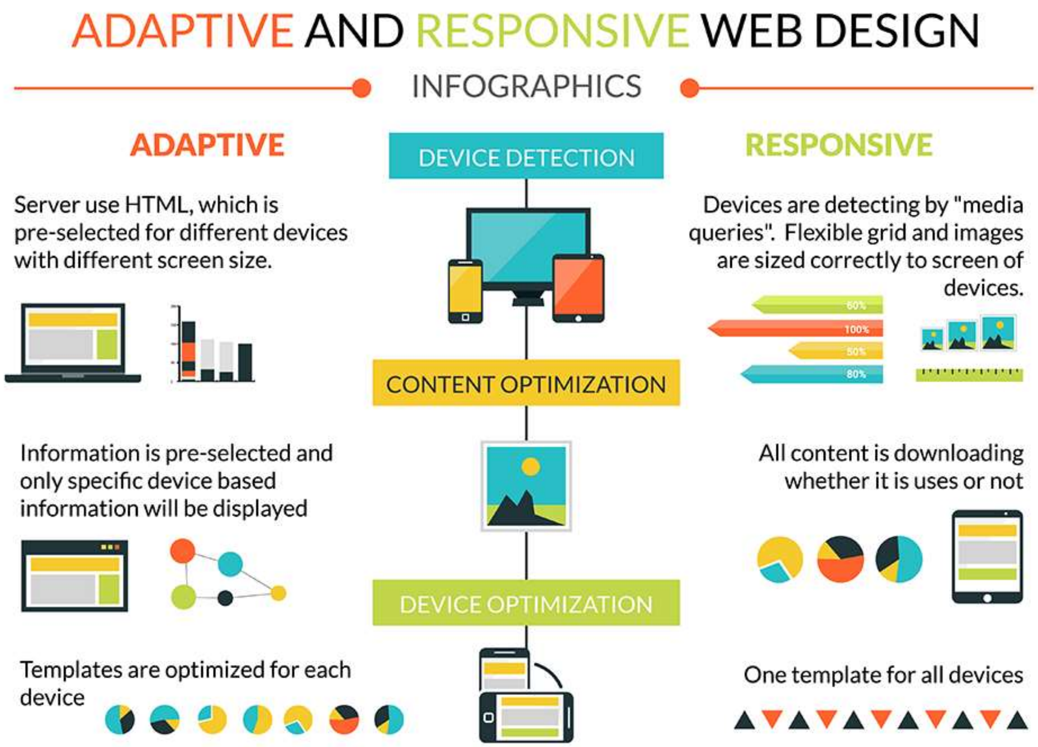
Responsive & Adaptive

Why?

- It is impossible to keep in mind all devices, client may use for the application using.
- Adaptive design and responsive design were created to avoid the classification.
- Actually, AD (adaptive design) and RD (responsive design) solve the same tasks but in different ways.



Responsive vs Adaptive



ADAPTIVE AND RESPONSIVE WEB DESIGN

INFOGRAPHICS

ADAPTIVE

DEVICE DETECTION

RESPONSIVE

Server use HTML, which is pre-selected for different devices with different screen size.

Devices are detecting by "media queries". Flexible grid and images are sized correctly to screen of devices.

CONTENT OPTIMIZATION

Information is pre-selected and only specific device based information will be displayed

All content is downloading whether it is uses or not

DEVICE OPTIMIZATION

Templates are optimized for each device

One template for all devices

Responsive & Adaptive For Flutter Application

Why?

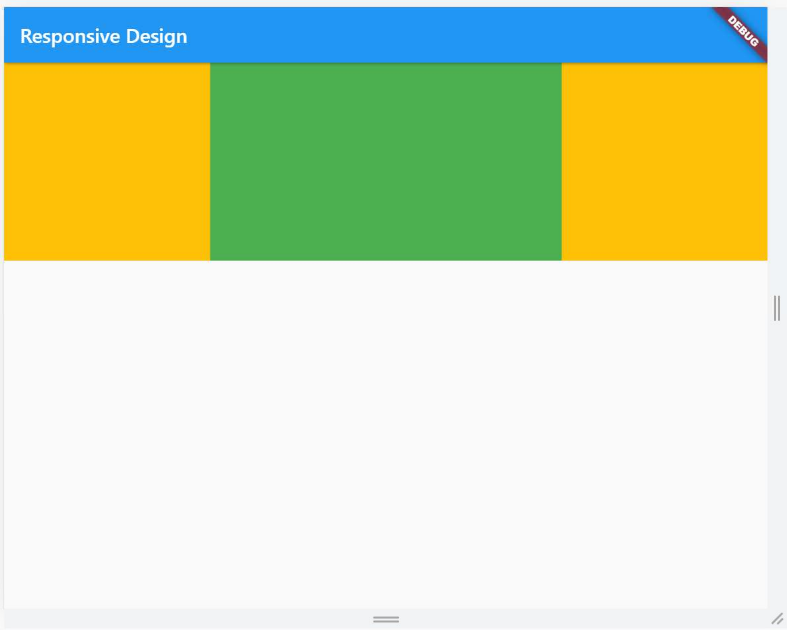
- To take the maximum advantages from Flutter
- To enable your application in different size device with web & desktop too.

Widgets & Packages:

- **Fractionally Sized Box**
- **Media Query**
- **Expanded**
- **Aspect Ratio**
- **Fitted Box**
- **Layout Builder**
- Responsive grid
- **Column Row**
- Responsive Framework
- **Scroll View**

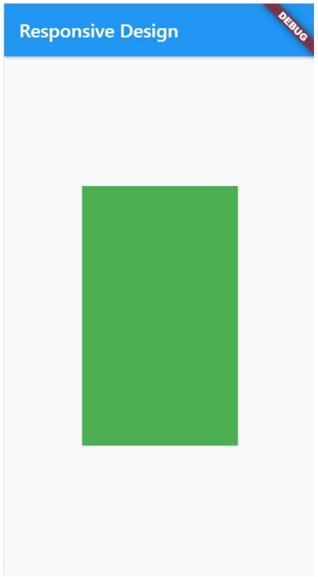
Aspect Ratio

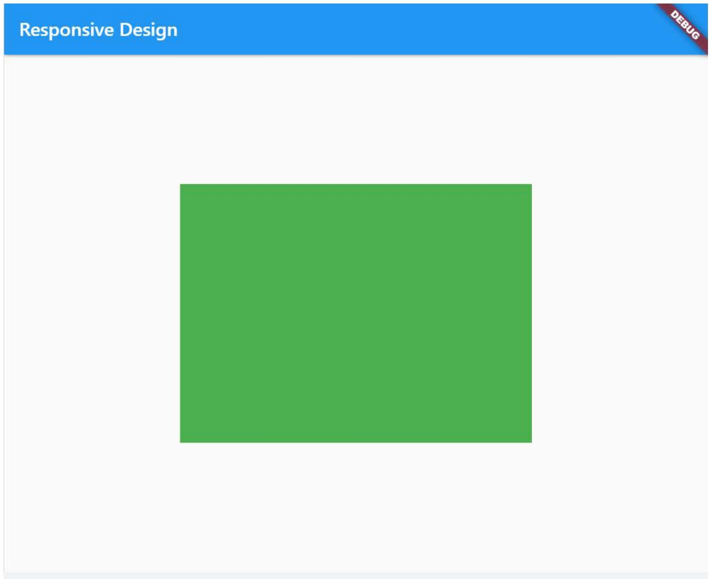
- A widget that attempts to size the child to a specific aspect ratio
- The widget first tries the largest width permitted by the layout constraints.
- The height of the widget is determined by applying the given aspect ratio to the width



Fractionally Sized Box

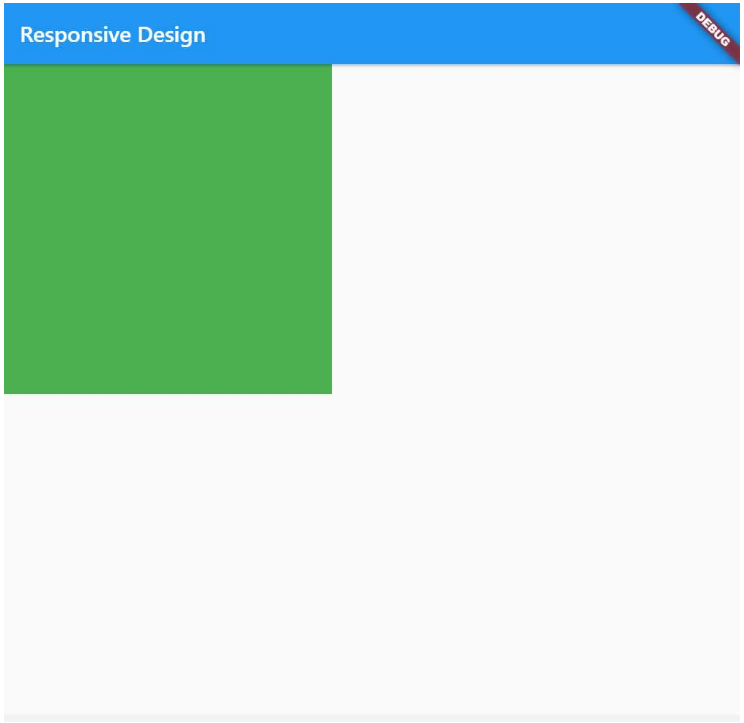
- A widget that sizes its child to a fraction of the total available space.

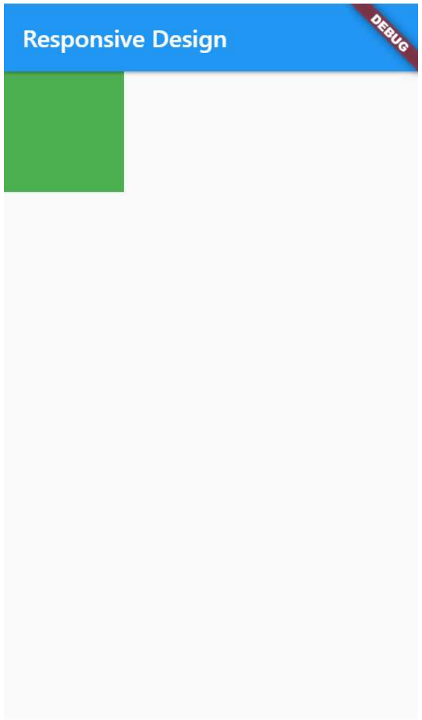




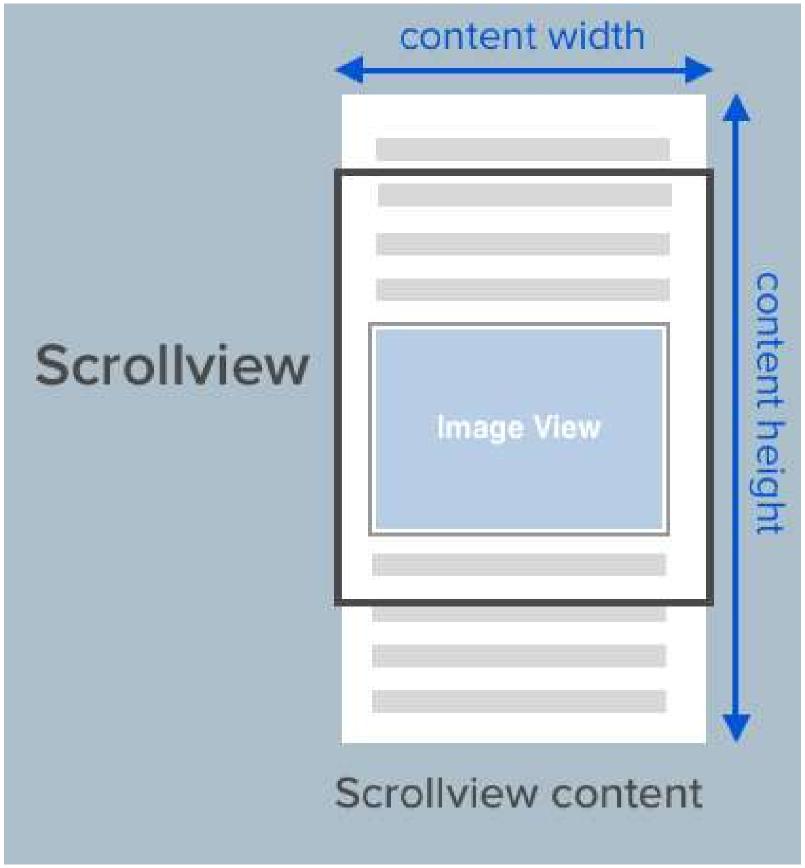
Layout Builder

- Builds a widget tree that can depend on the parent widget's size

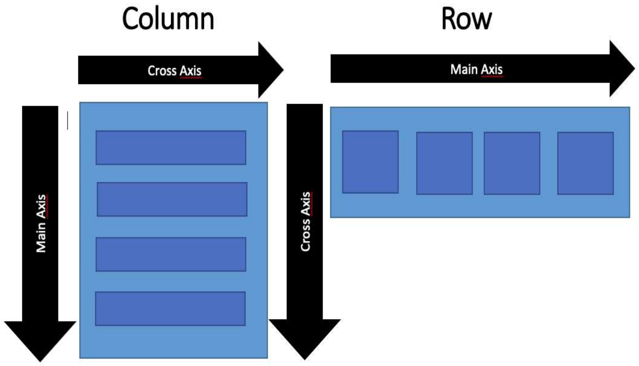


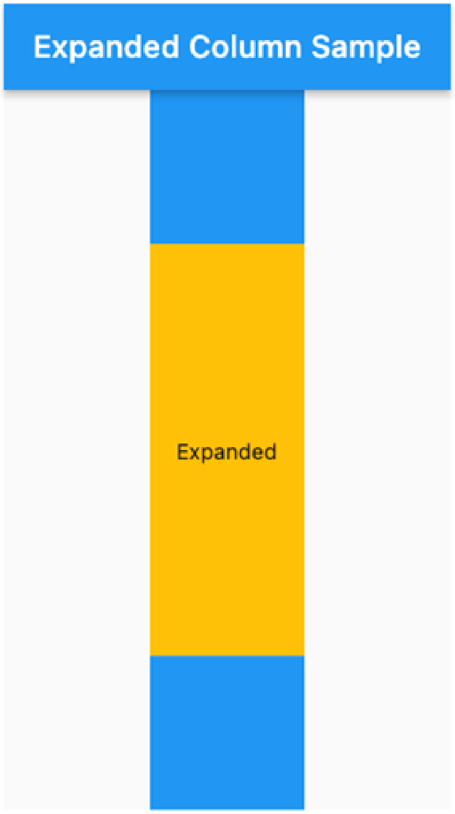


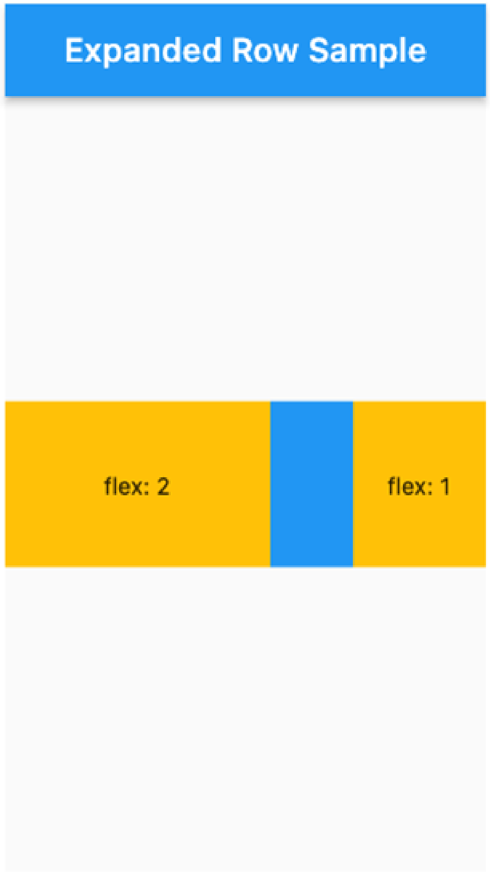
Scroll View


content width
Scrollview
Image View
content height
Scrollview content

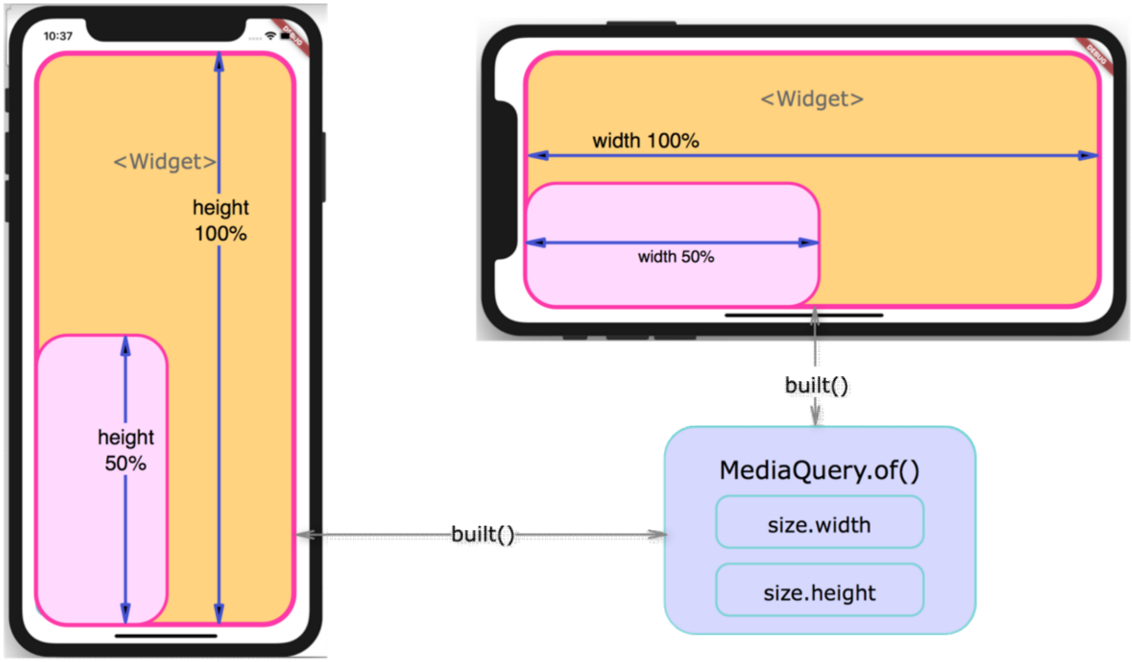
Expanded & Flexible







Media Query



built()

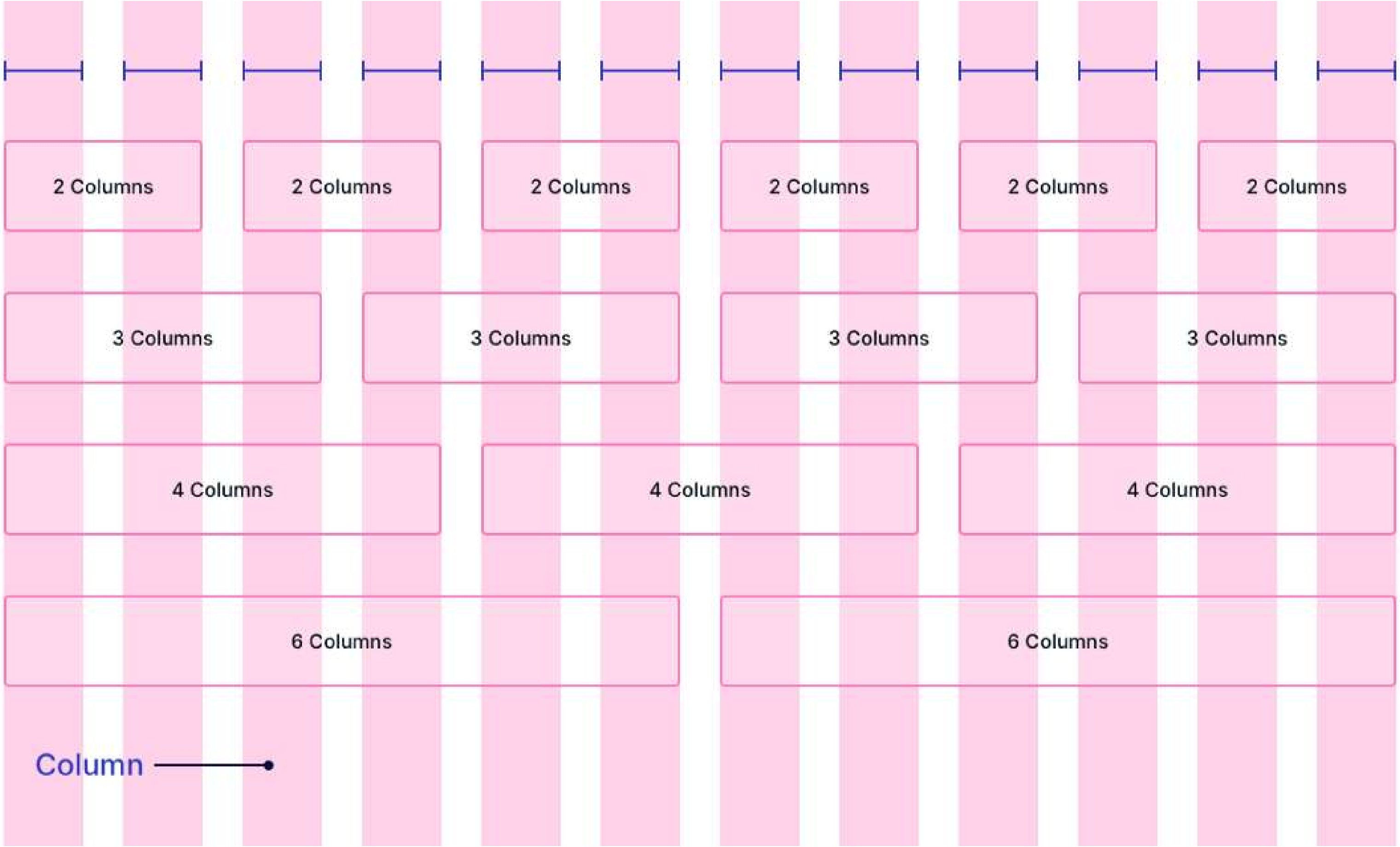
built()

MediaQuery.of()

size.width

size.height

Responsive Grid



2 Columns 2 Columns 2 Columns 2 Columns 2 Columns 2 Columns

3 Columns 3 Columns 3 Columns 3 Columns

4 Columns 4 Columns 4 Columns

6 Columns 6 Columns

Column