ArcGIS Experience Builder: Working with Style and Layout

OKSCAUG 2023

September 26, 2023

esri THE SCIENCE OF WHERE

Experience Builder Design Concepts

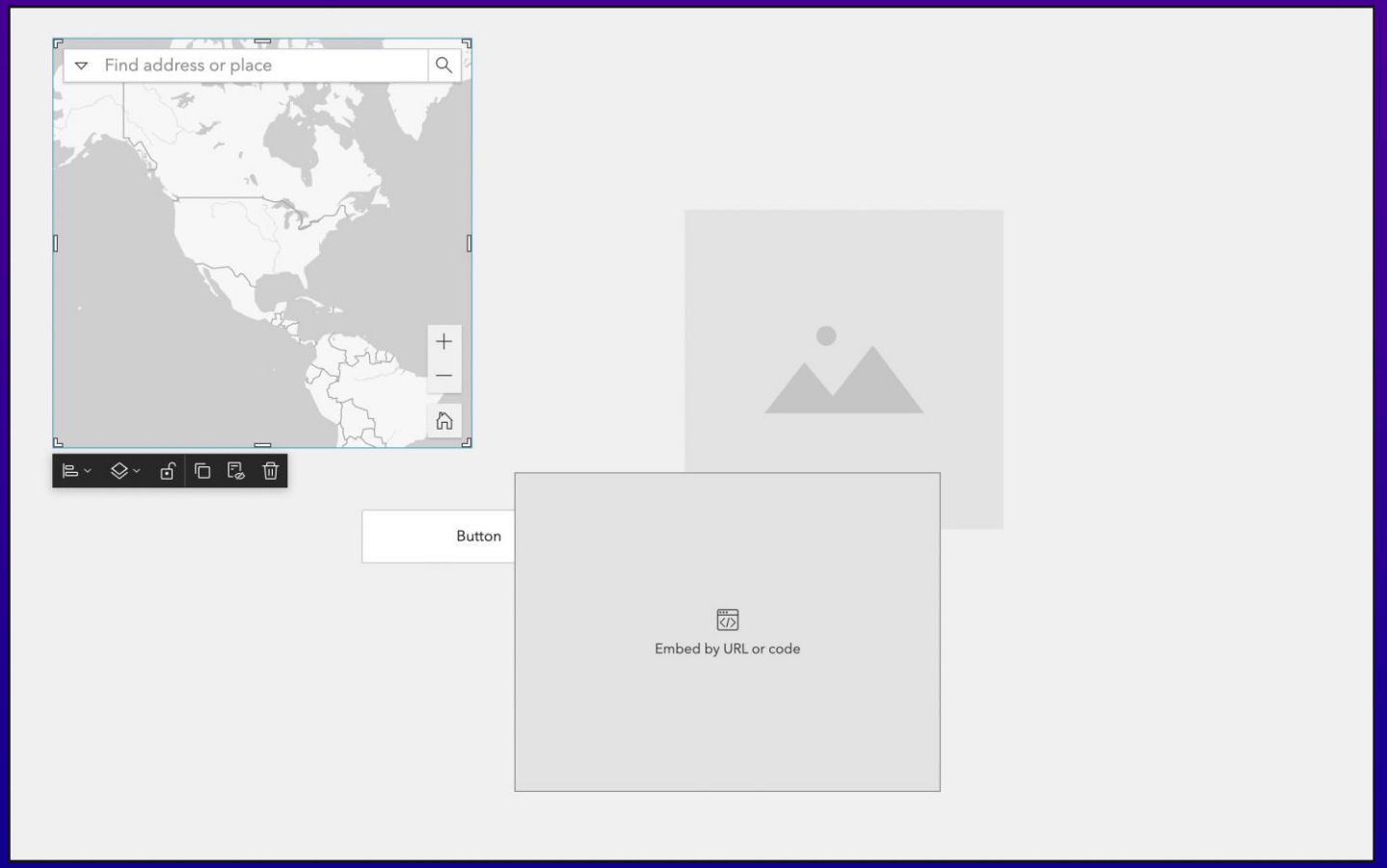
Page

- Fullscreen
- Scrolling
- Grid

Page – Fullscreen page

- Widgets can be arranged freely
- Adjustable position and size
- Widgets can overlap

- Page height: fixed



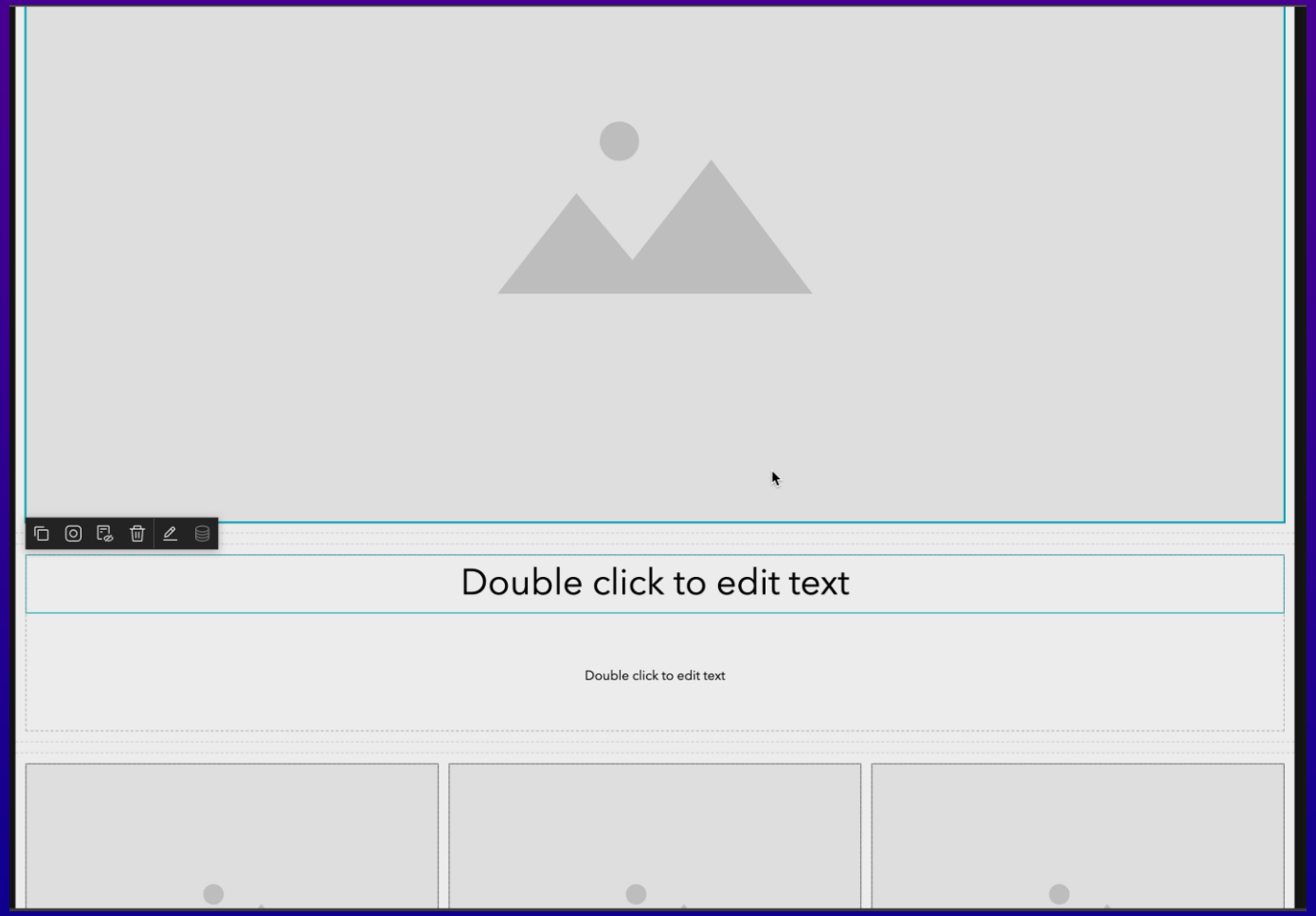
Example:

Foldable style app with map

Page – Scrolling page

- Widgets are arranged within *blocks/screen groups*
- To the right/bottom of current ones
- Adjustable position & size, limited
- Widgets **cannot** overlap

- Page height: auto

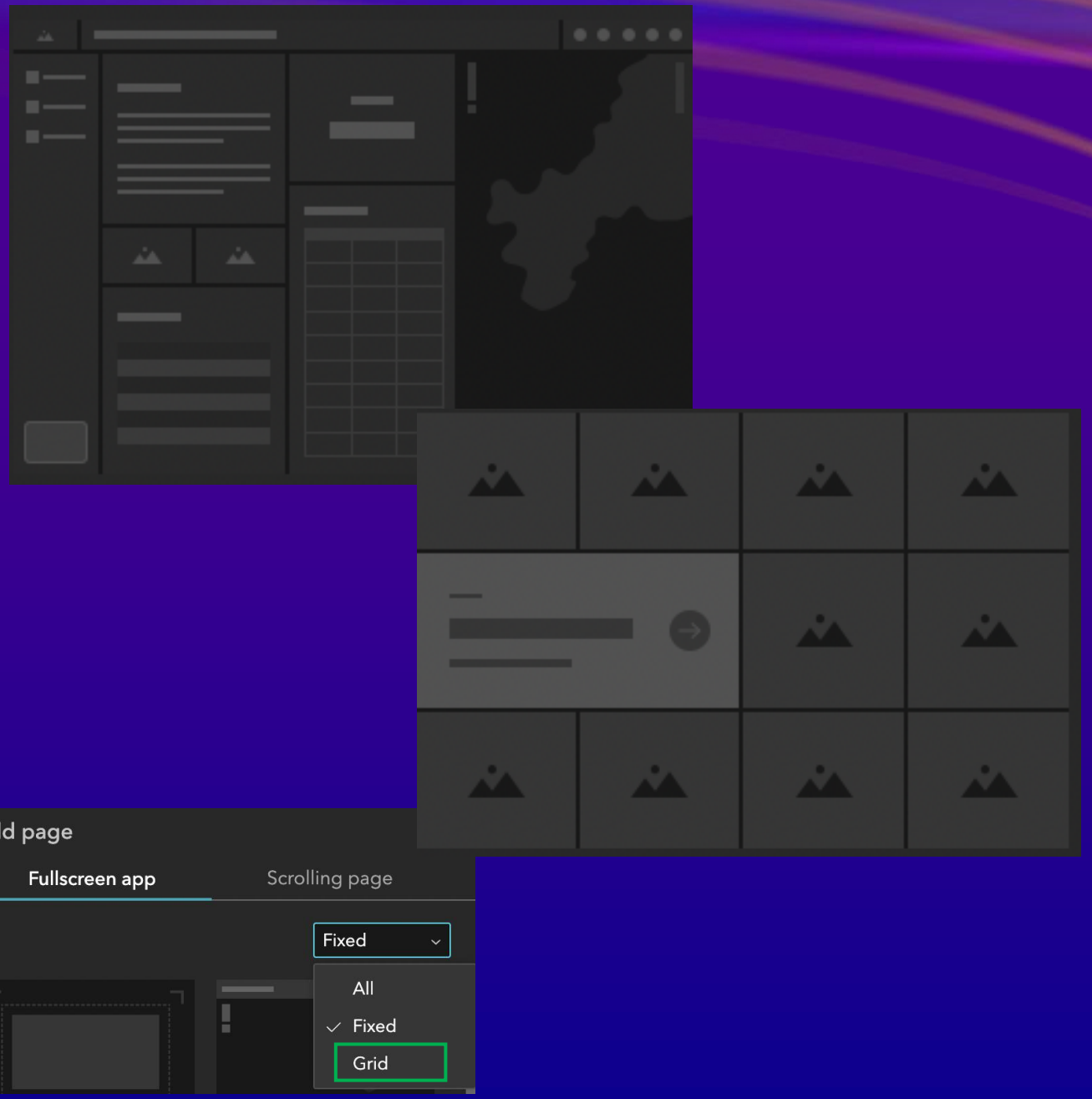


Example:

Commercial web sites

Page – Grid page

- Grid pages consist of grid items
- Widgets can only be put in grid items
- Widget size & position: not adjustable
- Grid item size & position: adjustable, limited
- Widgets **cannot** overlap, but can be stacked



Example:

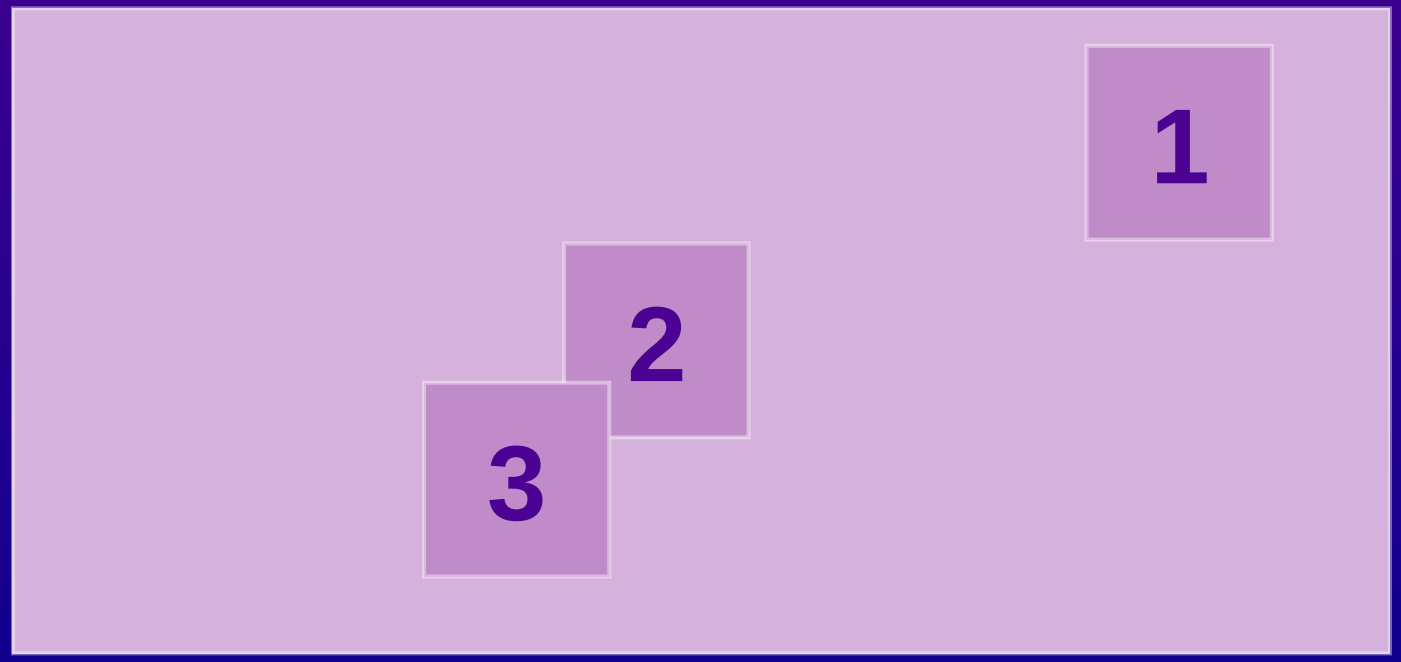
Company employee avatar page

Layout

- Fixed layout
- Flex layout
- Grid layout

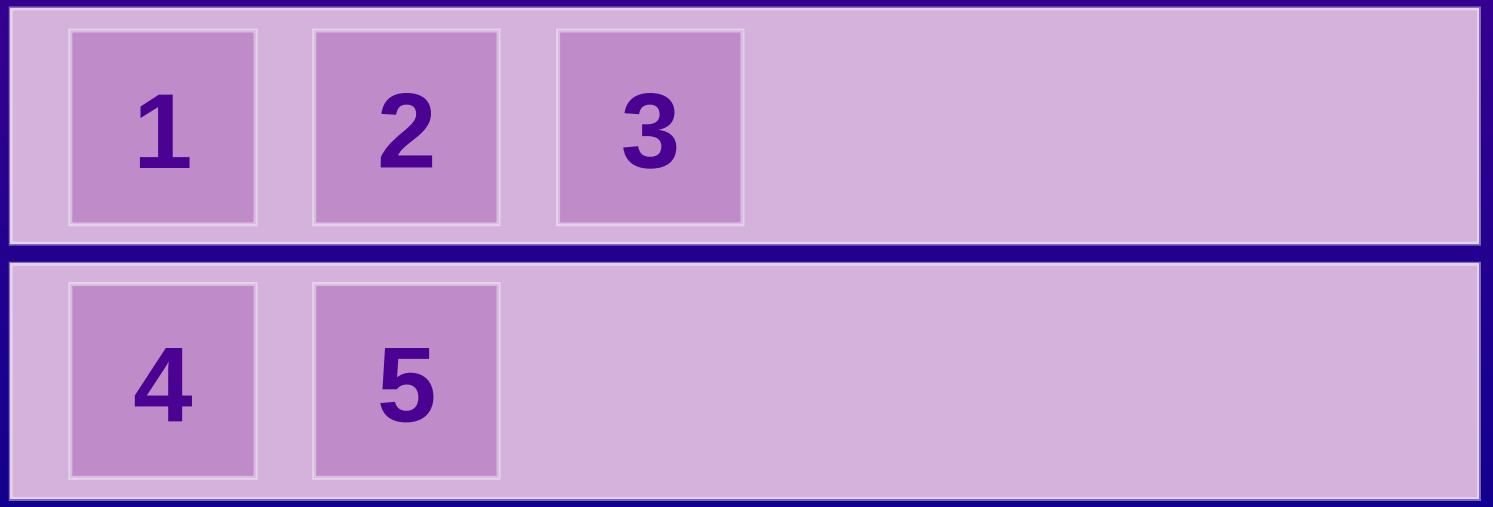
Layout – Fixed layout

- Absolute position
- Element
  - Customizable size and position
  - Can overlap



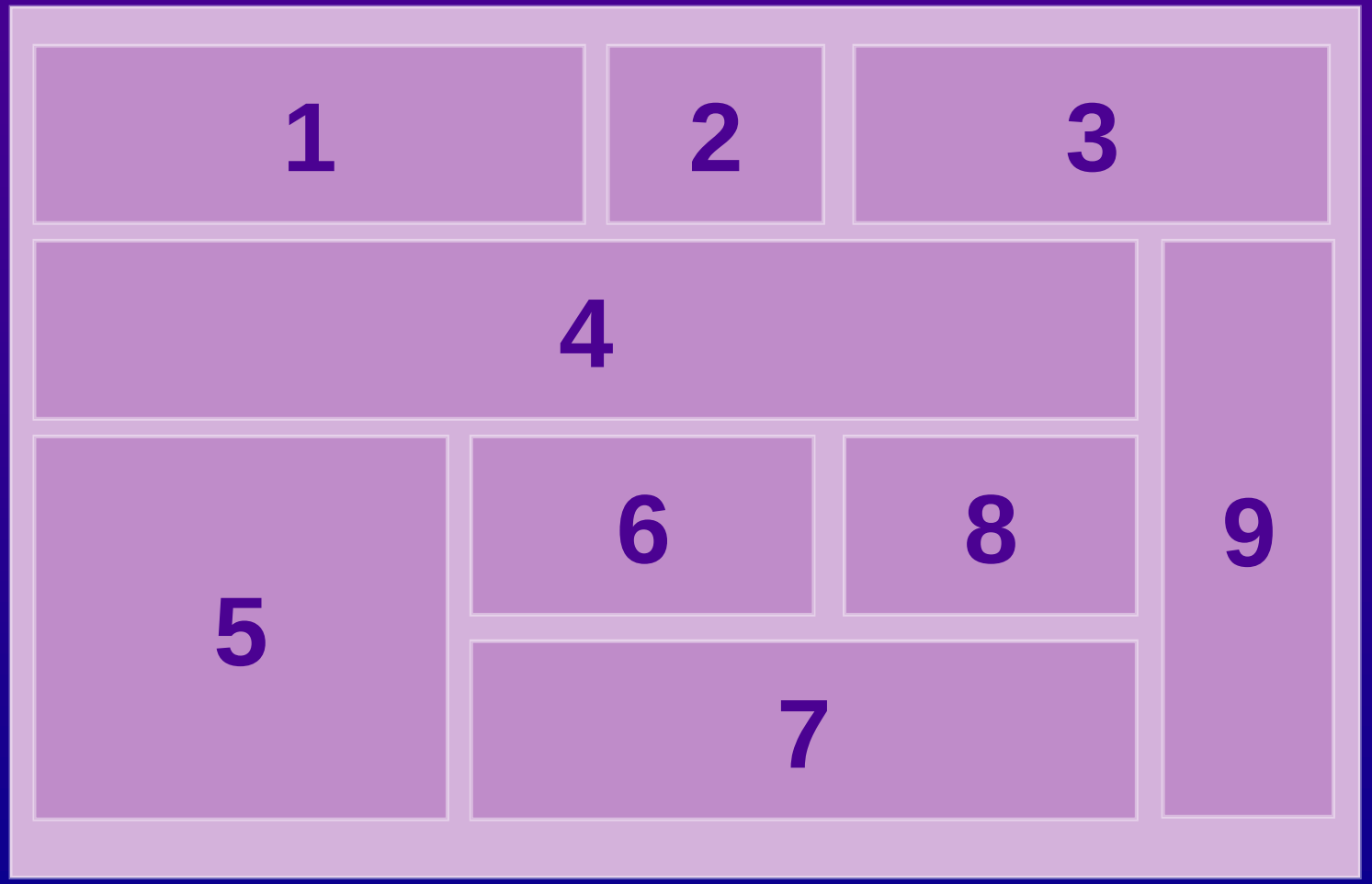
Layout – Flex layout

- Like CSS Flexbox layout
- Elements
  - Automatically arranged inside containers
  - Cannot overlap



Layout – Grid layout

- Grid-based layout system
- Elements
  - Arranged automatically
  - Cannot overlap



Layouts, Pages & Widgets

Layouts		Fixed	Flex	Grid
Page element		Fullscreen page Header Footer	Scrolling page	Grid page
Window		Window (all)		
Widgets	Simple layout widget	Fixed Panel Section (views)	Column Row Block*	Grid (widget)
	Composite layout widget	Sidebar Screen group (screens >main panel)	Screens > scrolling panel	
	Advanced	Map Bookmark Card List …	Widget Controller	

Pages and Widgets using three types of layouts in Experience Builder

Layouts, Pages & Widgets

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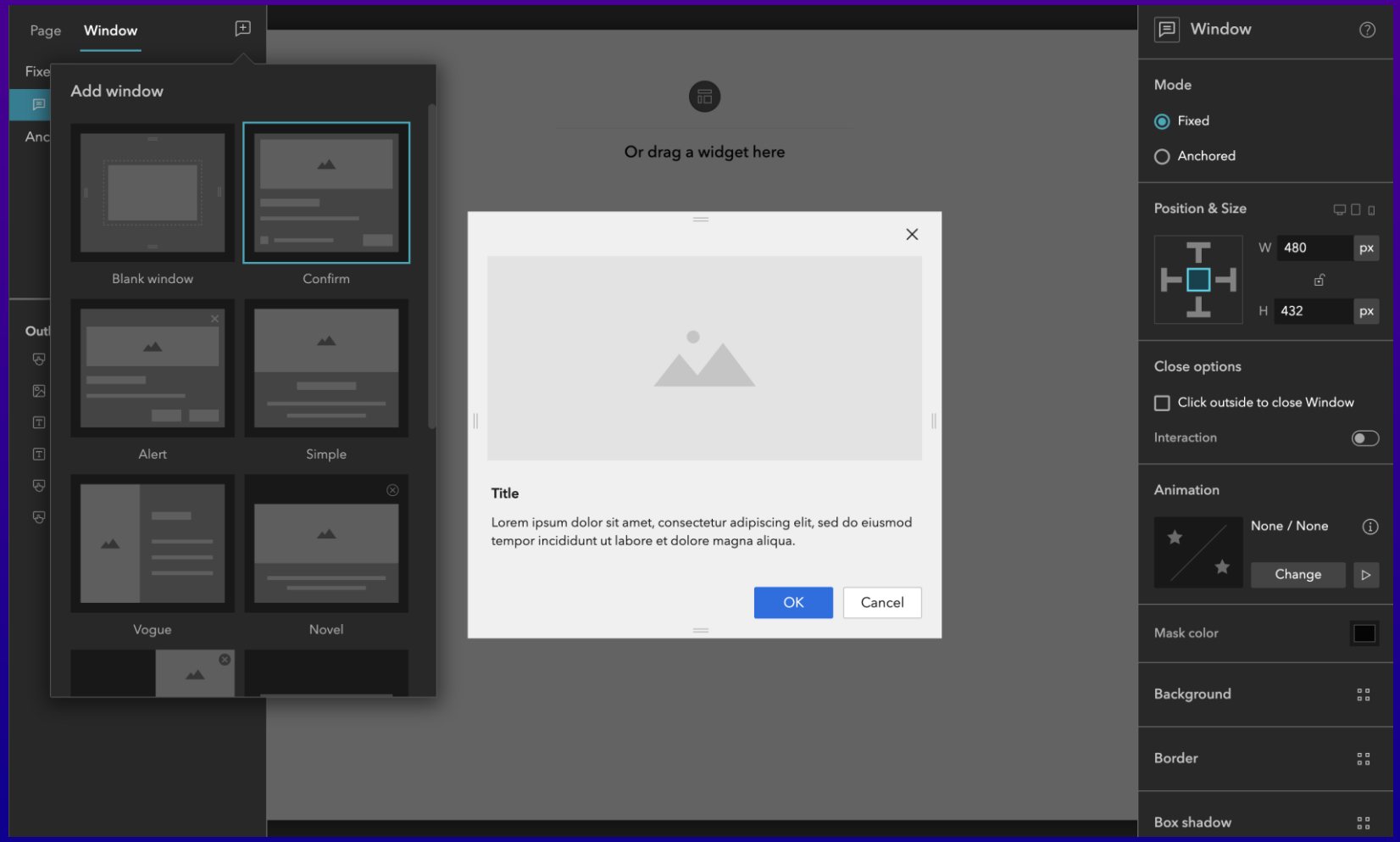
Pages and Widgets using different layouts in Experience Builder

Window

- All windows use fixed layout



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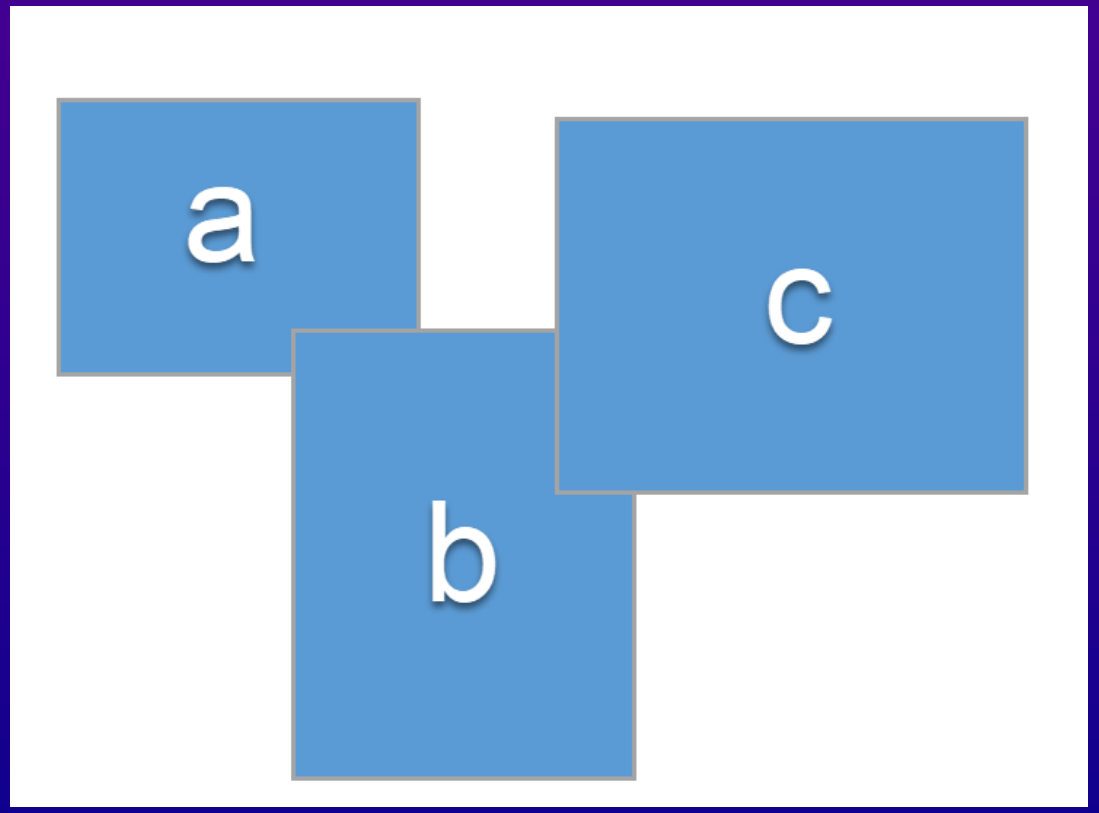
Pages and Widgets using different layouts in Experience Builder

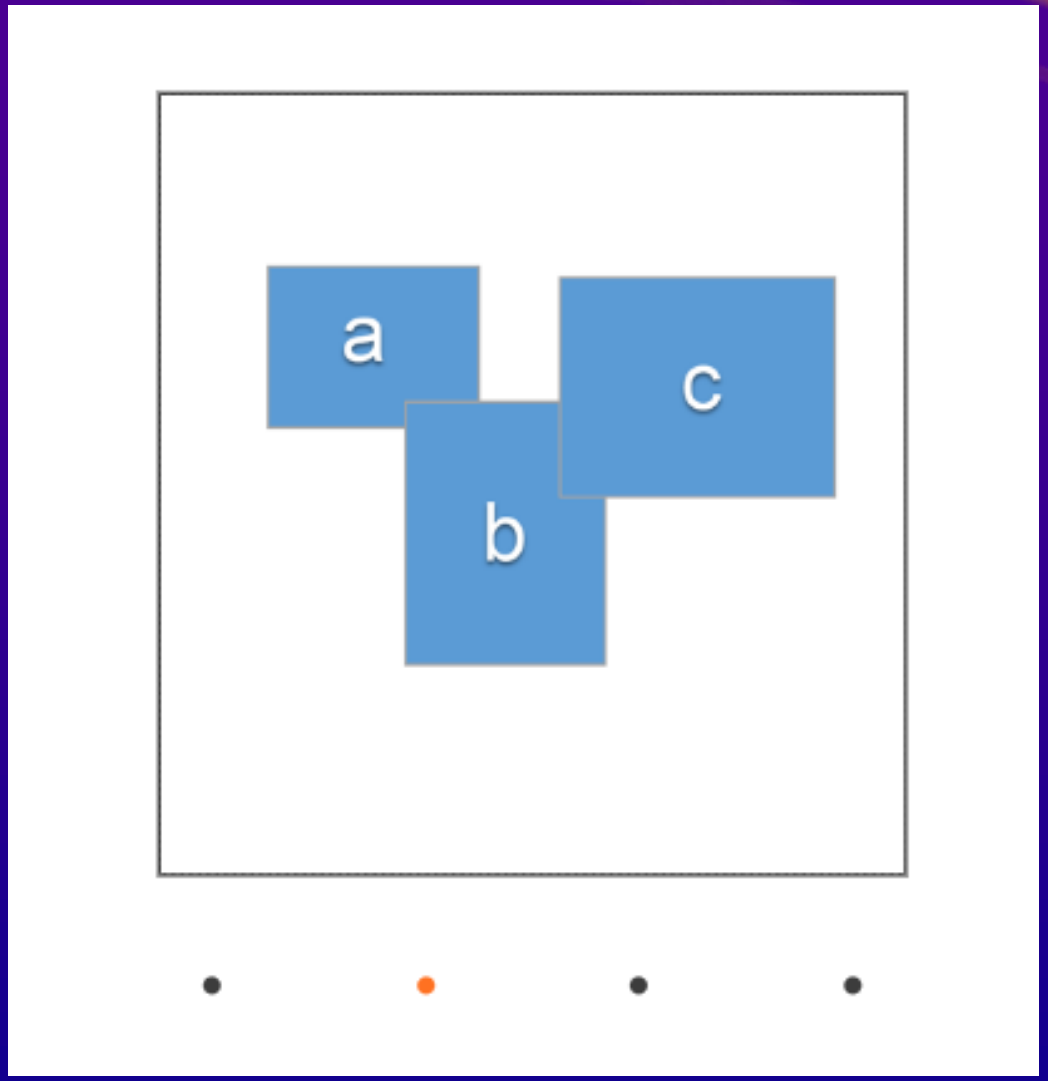
Simple layout widget (fixed) - Fixed Panel

- A typical & simple fixed layout
- Similar to Fullscreen pages



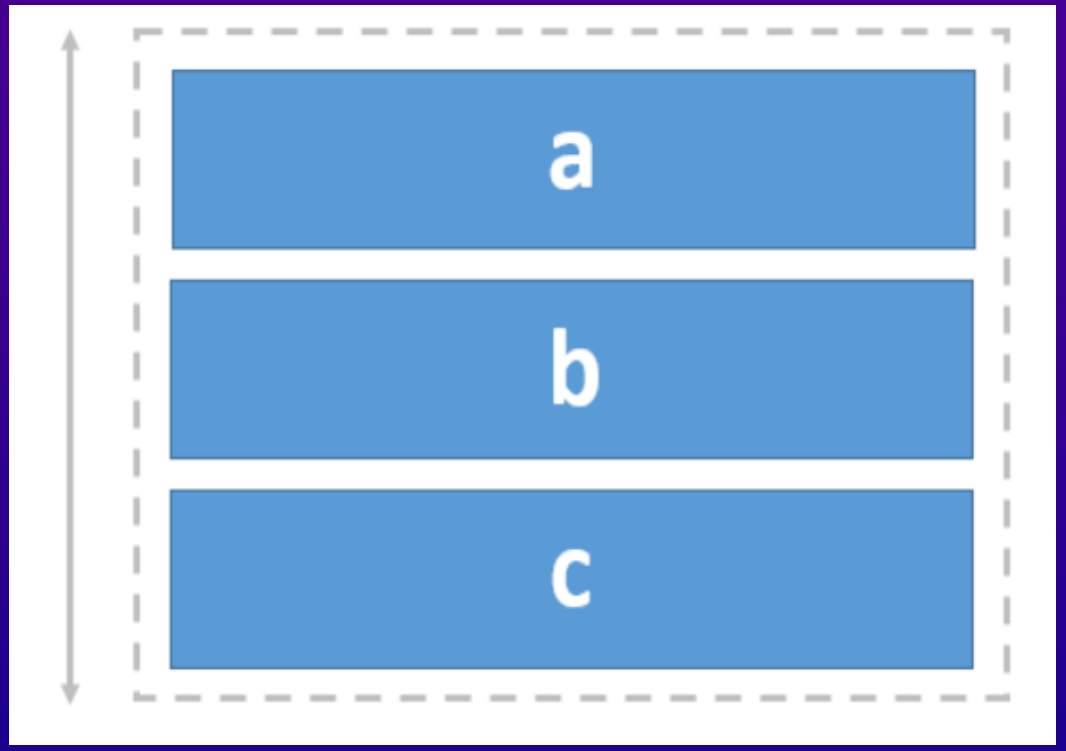
Simple layout widget (fixed) - Section (views)

- Multiple views, one at a time
- Each view = a simple fixed layout
- Navigate to access other views



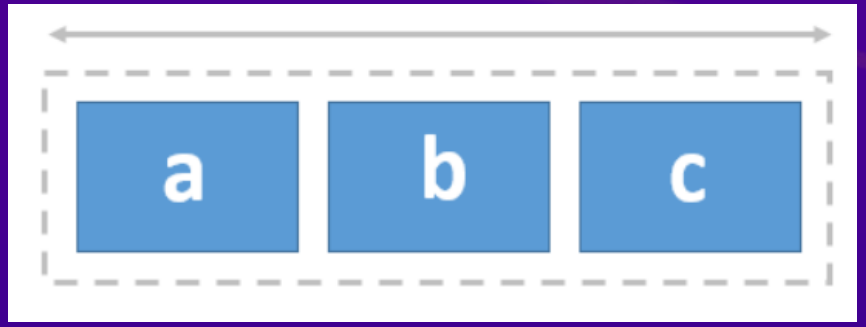
Simple layout widget (flex) - Column

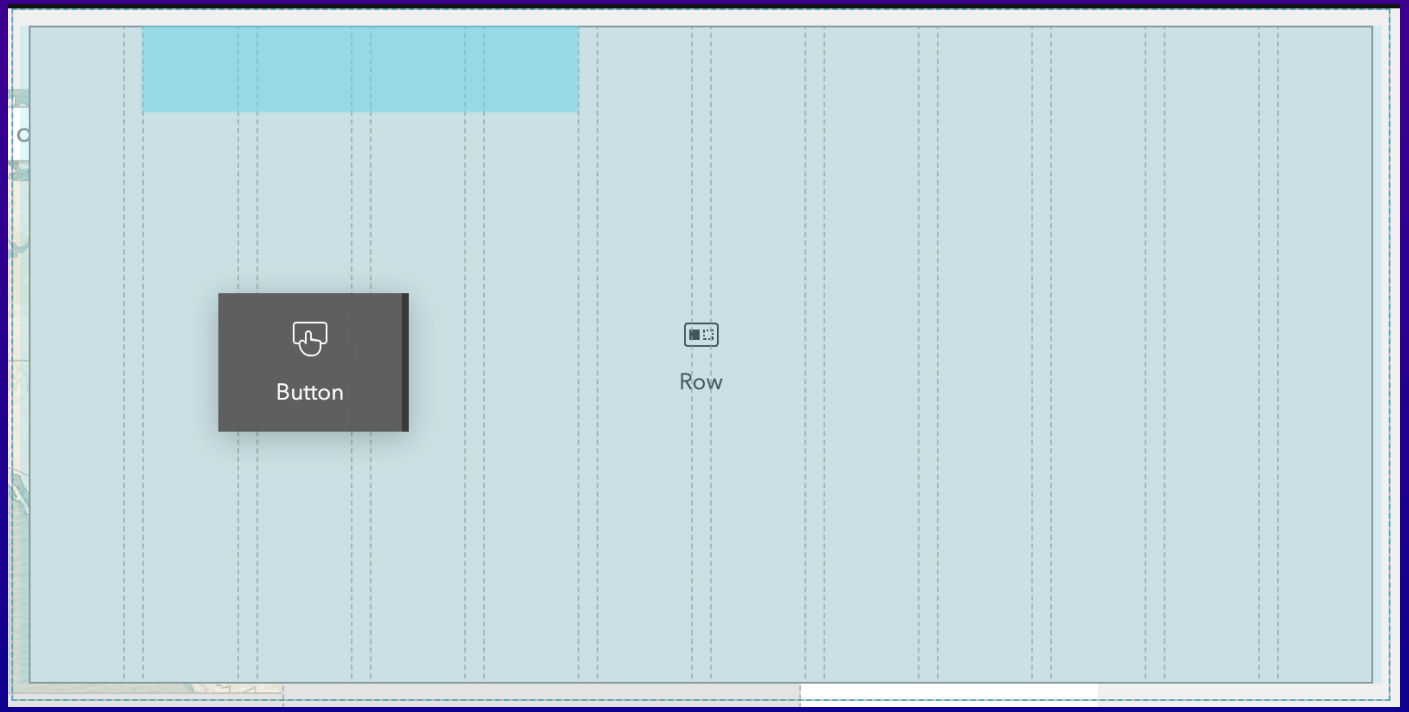
- A simple **vertical** flex layout
- Adjustable gap and padding
- Widgets inside can only be arranged vertically



Simple layout widget (flex) - Row

- A horizontal flex layout
- Arranged side by side in an aligned row
- 12 equally-divided column areas
- Custom gap & padding

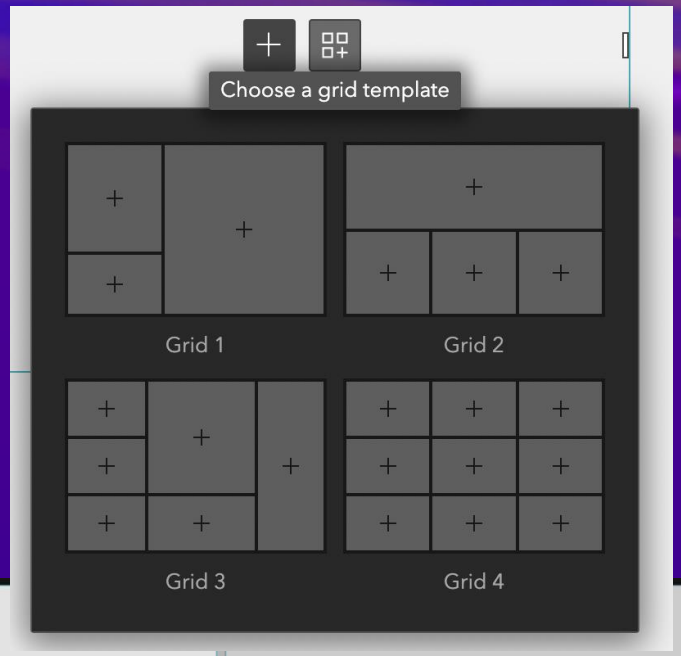


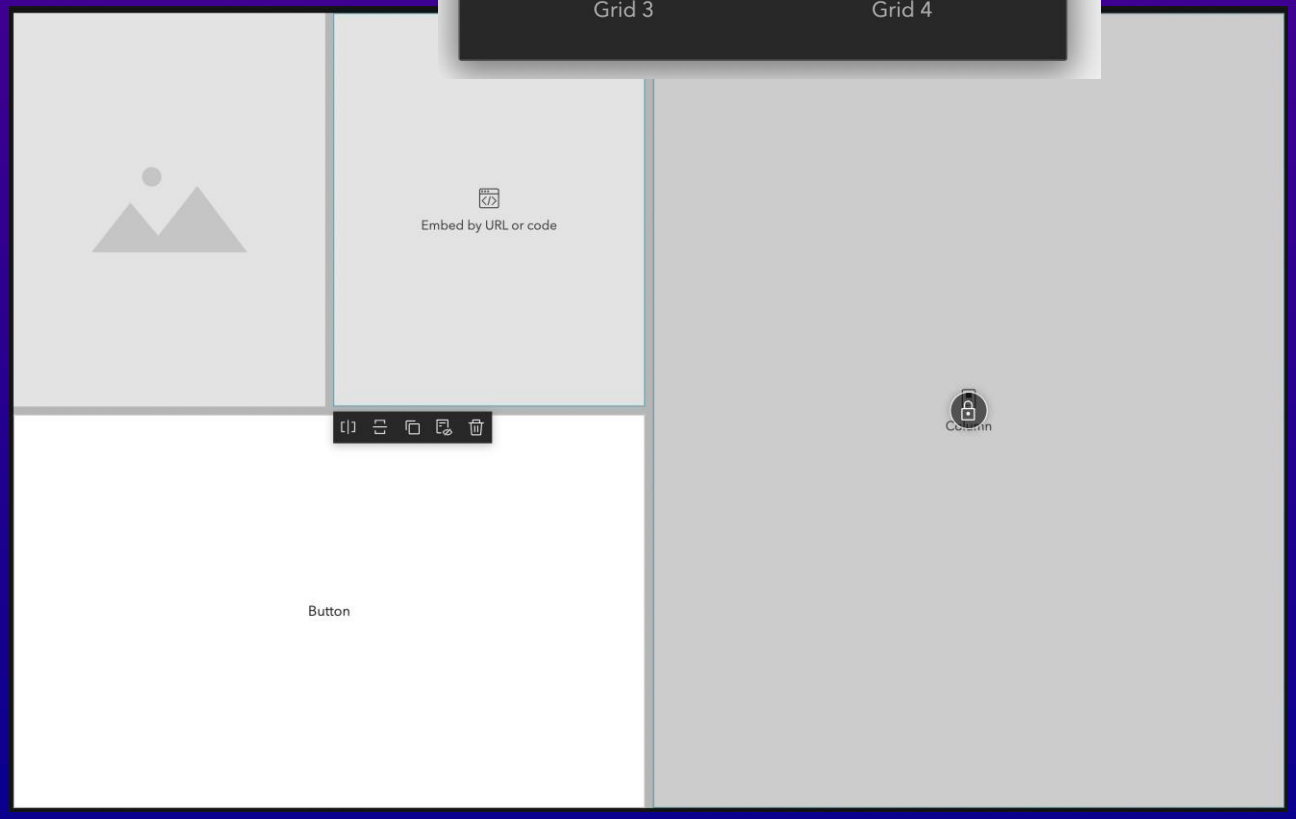


In Scrolling pages, the ***Block*** is also a Row

Simple layout widget (grid) - Grid (widget)

- A ‘regional’ grid page, with templates
- Can be split vertically, horizontally
- Can be stacked into tabs
- Resizable grid
- Each grid can expand to full screen





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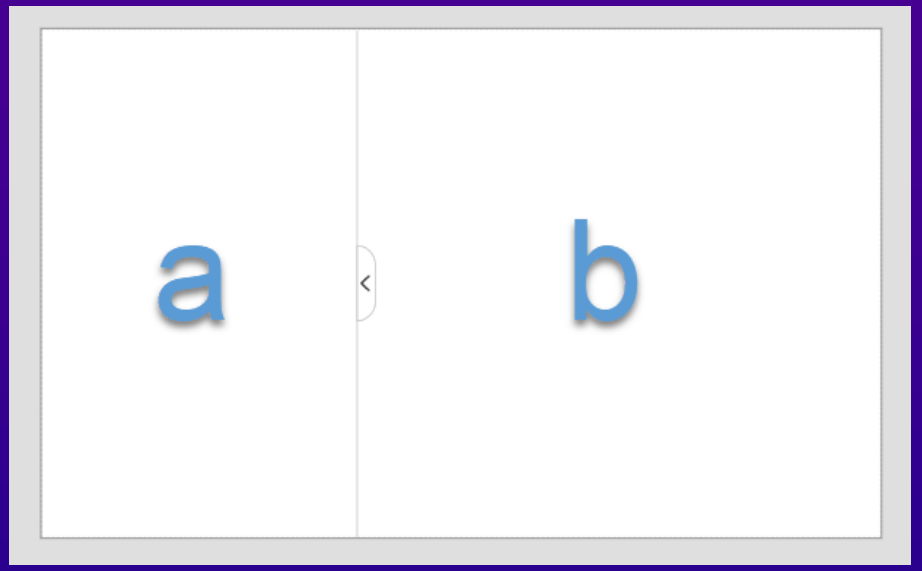
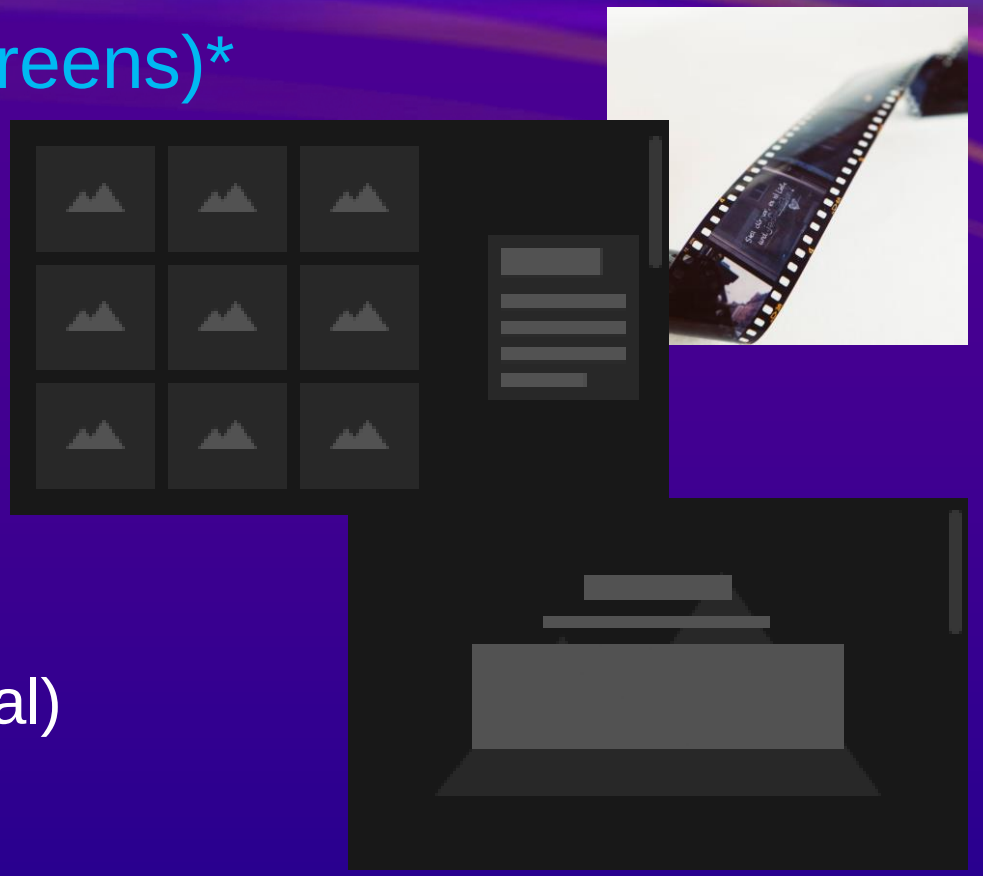
Pages and Widgets using different layouts in Experience Builder

Composite layout widget (fixed) - Sidebar

- Consist of two fixed layouts
- One panel collapsible
- Customizable dock button style



Composite layout widget - Screen Group (screens)*



- Multiple screens, scroll to access others
- Available on scrolling pages only

Each screen = Main stage + Scrolling panel (optional)

Fixed layout

Flex layout

Building Great Experiences

ArcGIS Experience Builder

Experiences | Templates

Recent experiences

+ Create new

Search

Owned by me | All | Last modified

What makes a great experience?

Process

User Experience

- Business needs
- End-user needs
- Success metrics

Data & Tools

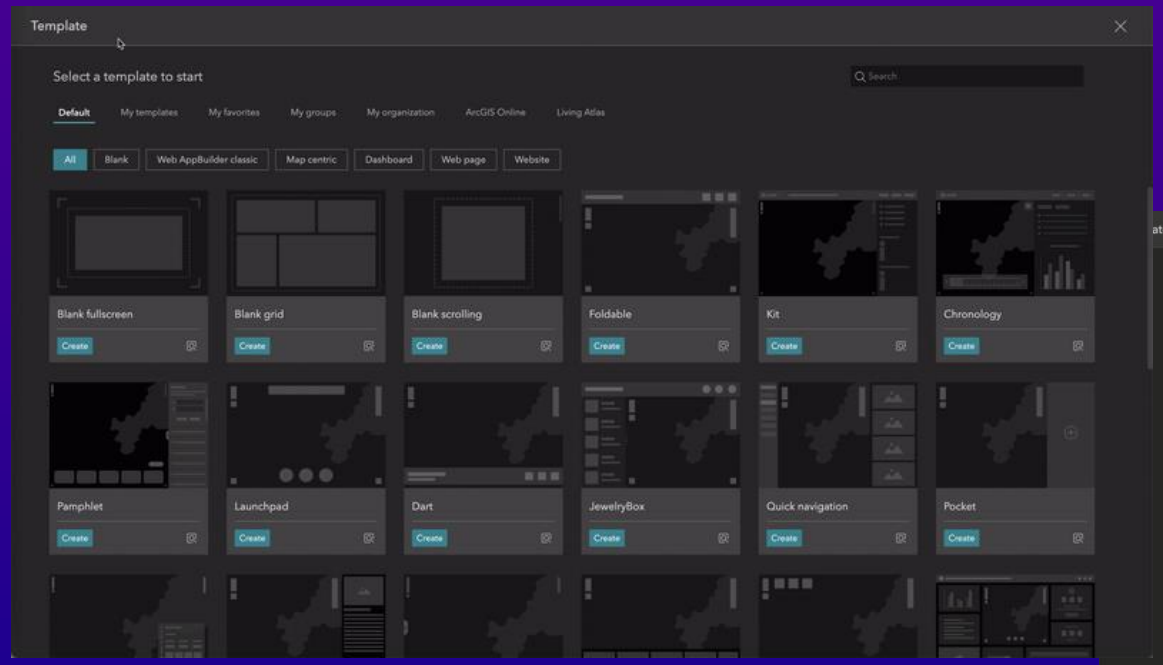
- Features
- Web Maps
- Survey123
- Available widgets

Design Decision

- Brand colors
- Logo/images
- Templates
- Wireframes

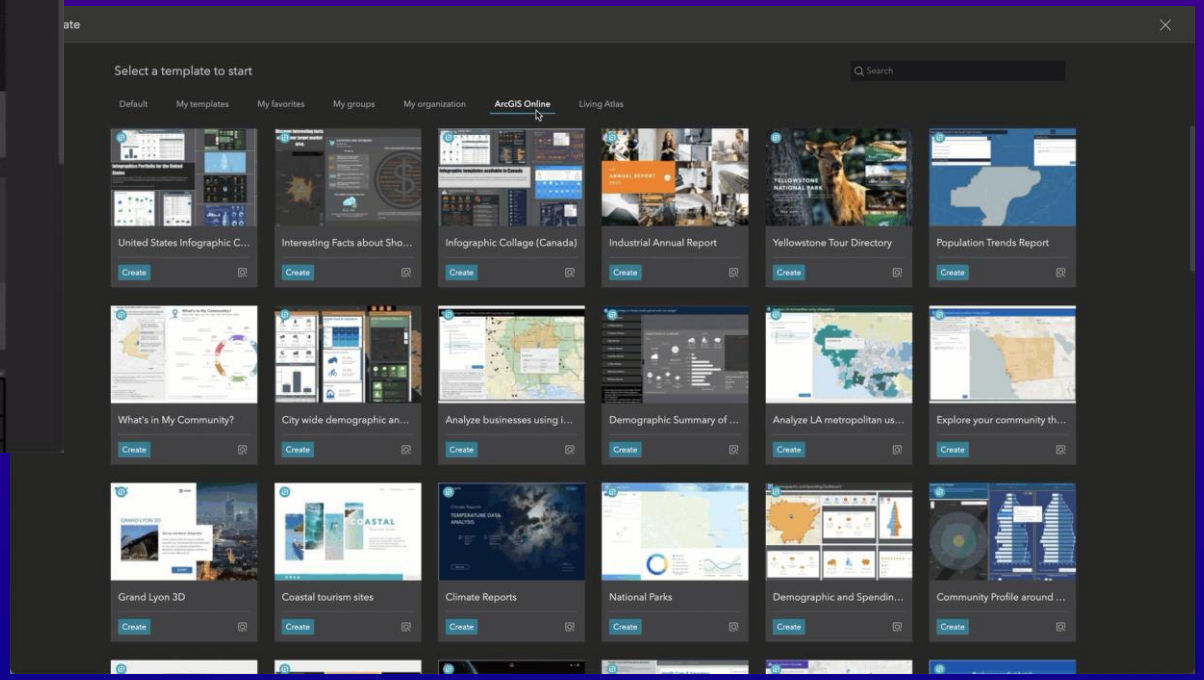
Templates

Design



Default page templates

Sample app templates



Complete & comprehensive analytical tools

Analyst

Analysis

methodical

Map centric

- Foldable
- JewelryBox
- Route

Strategic performance indicators

Executive

Data Visualize

tactical

Dashboard

- Monitor
- Reveal
- Checkerboard

Relevant & specific answers

Public

Specific Answer

applicable

Map centric

Web page

Website

- Introduction
- Pamphlet
- Scenic

Precise directions in real-time

Mobile

Concise

operatable

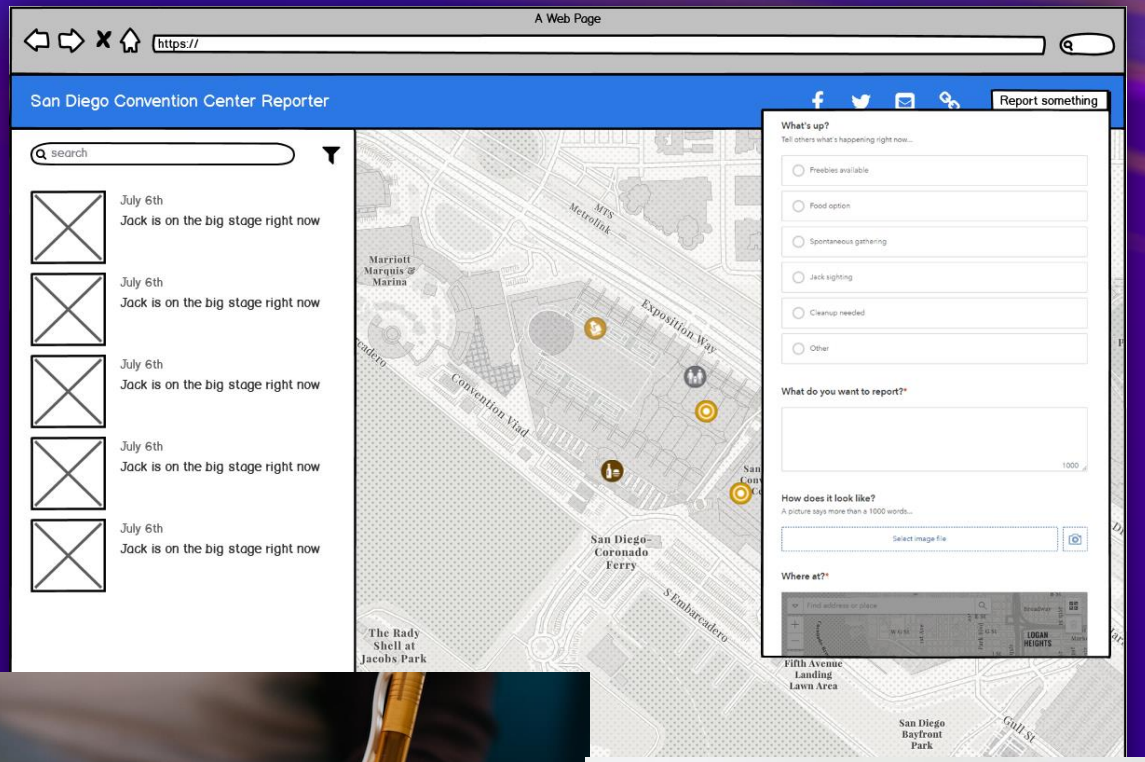
Mobile

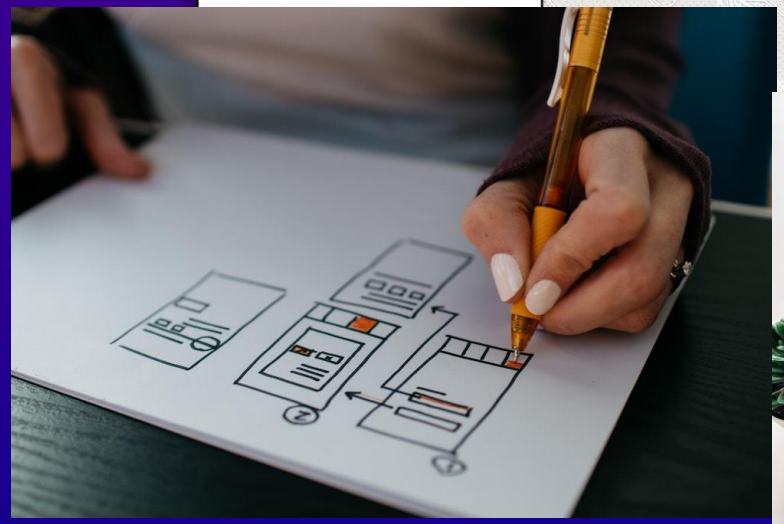
- Billboard
- Mapflyer
- Data collector

Wireframe

Design

- Hand draft
- Wireframe design tools





Experience Builder Training Resources:

- 1. ArcGIS Experience Builder - Esri Community

https://community.esri.com/t5/arcgis-experience-builder/ct-p/arcgis-experience-builder

- 2. Functionality Matrix for Web AppBuilder and Experience Builder - Esri Community

https://community.esri.com/t5/arcgis-experience-builder-documents/functionality-matrix-for-web-appbuilder-and/ta-p/1113766?aduc=Email&aduca=DG_ArcGIS_for_Developer&adum=Drip&adut=2402702-DevNews-Q122&sf_id=7015x000001P9YcAAK&aducp=newsletter_tertiary_body_cta

- 3. Tutorial Gallery | Documentation

https://learn.arcgis.com/en/gallery/#?p=arcgisexperiencebuilder

- 4. Building Web Solutions Using ArcGIS Experience Builder | Learning Plan

https://www.esri.com/training/catalog/5ea8ac6123e3e30f8d20997b/building-web-solutions-using-arcgis-experience-builder/

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