

In Home Displays UI from Mentor using INFLEXION



Example demonstrations



AT91SAM9G10
Smart Electricity Meter



AT91SAM9M10
In-Home Display

Comprehensive Solutions for

Android™ ▪ Nucleus® ▪ Linux®

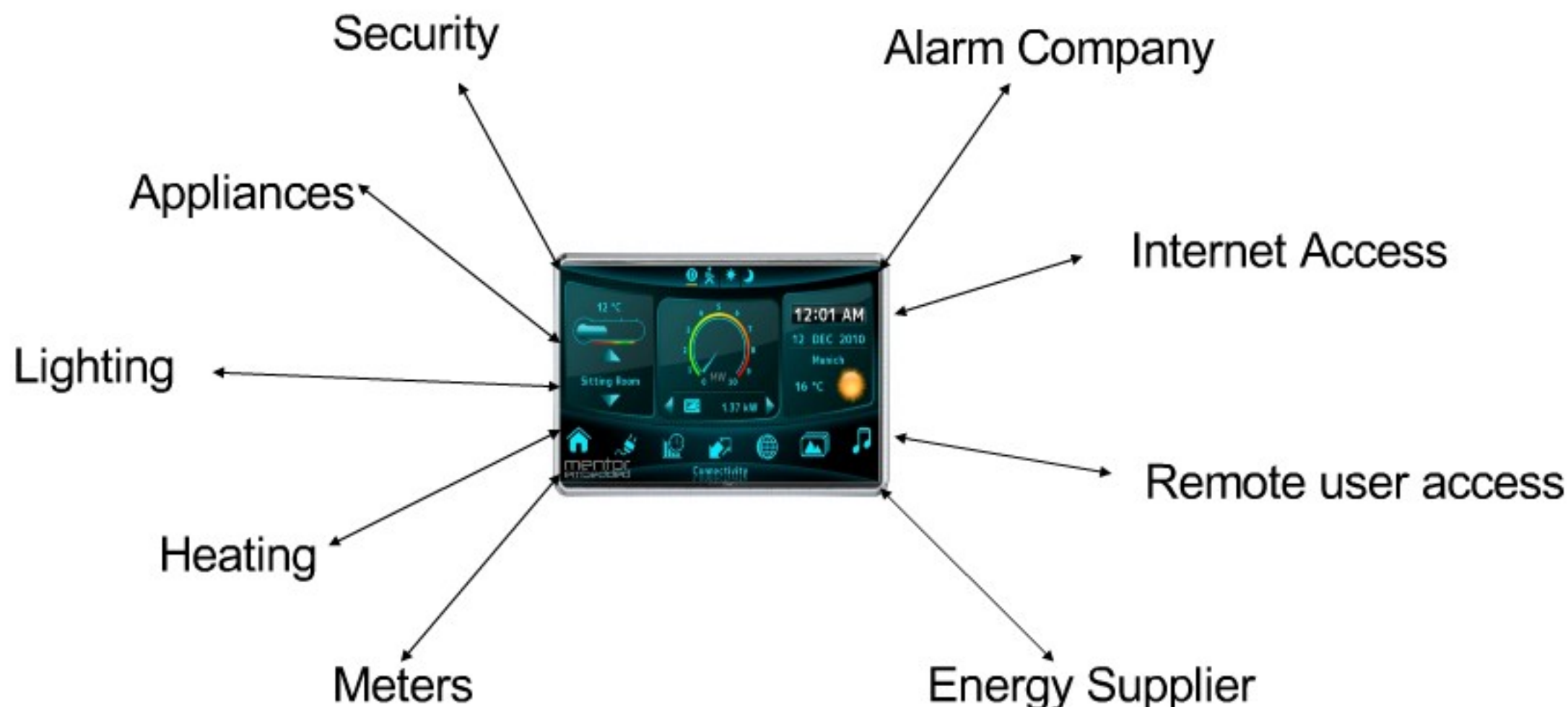
Mobile & Beyond ▪ 2D/3D User Interfaces ▪ Multi-OS ▪ Networking

mentor
embedded

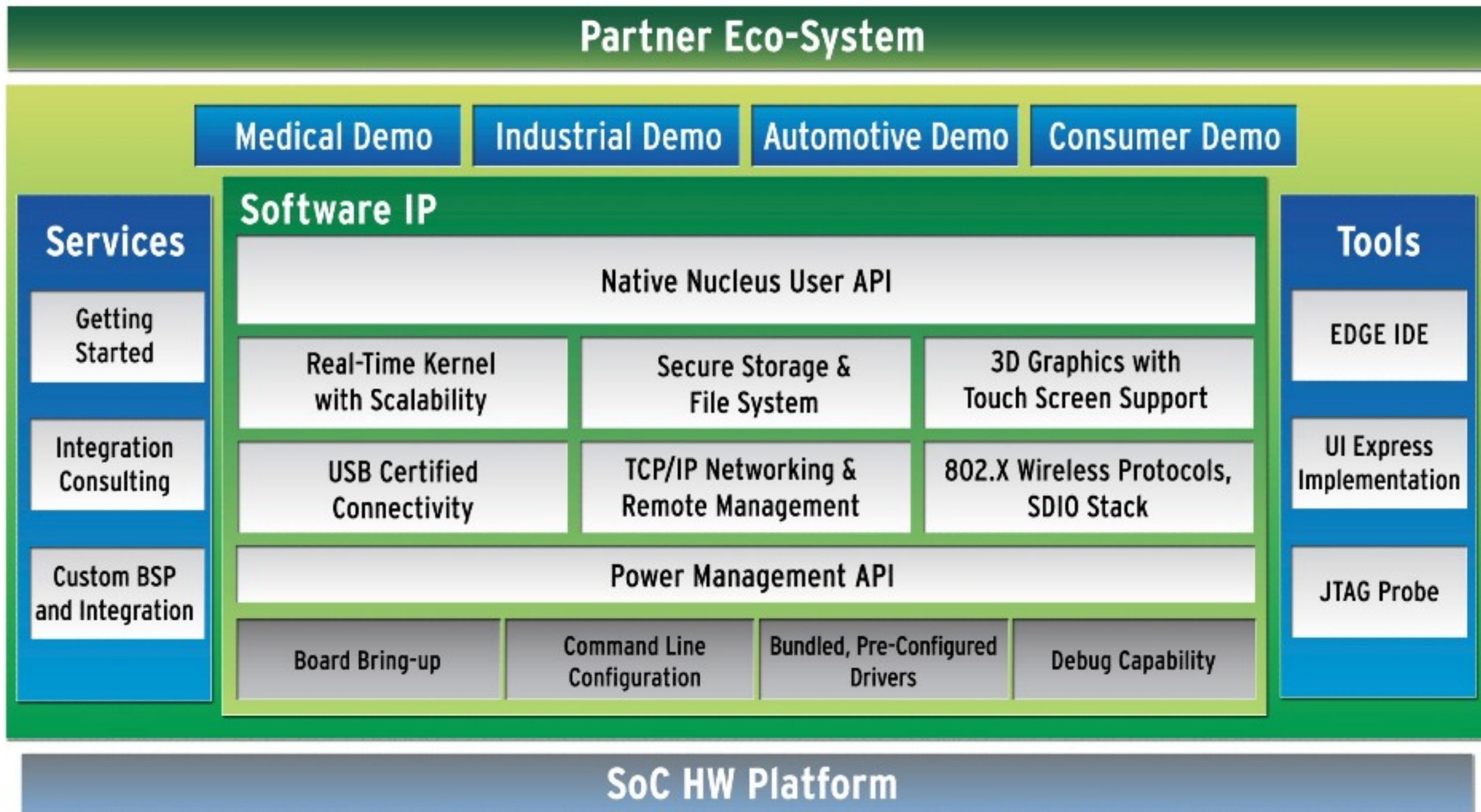
A range of requirements

In the home

Outside the home



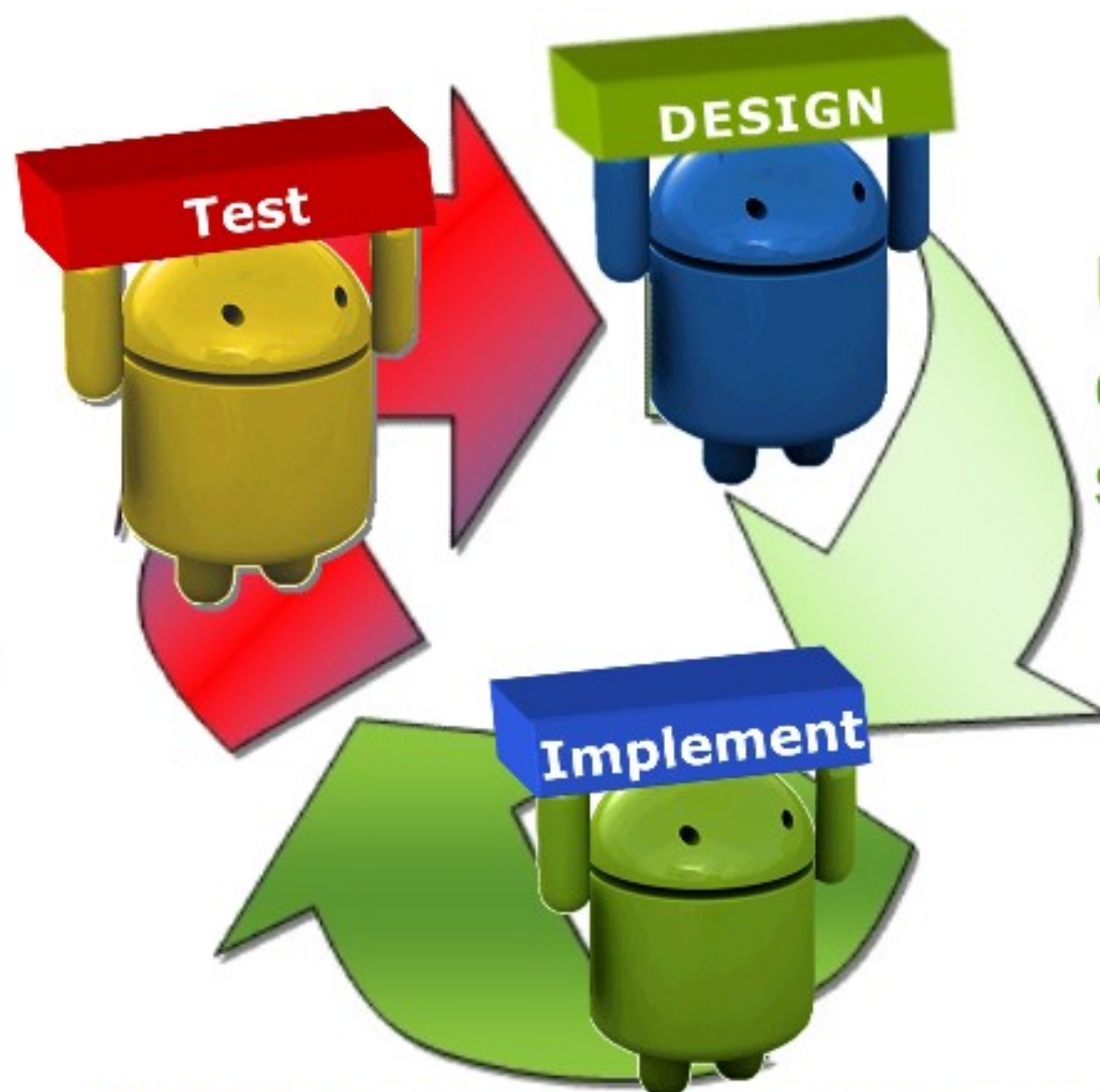
Mentor Embedded ReadyStart Platform for Nucleus



Traditional UI Development Flow

The UI Designer and customer:

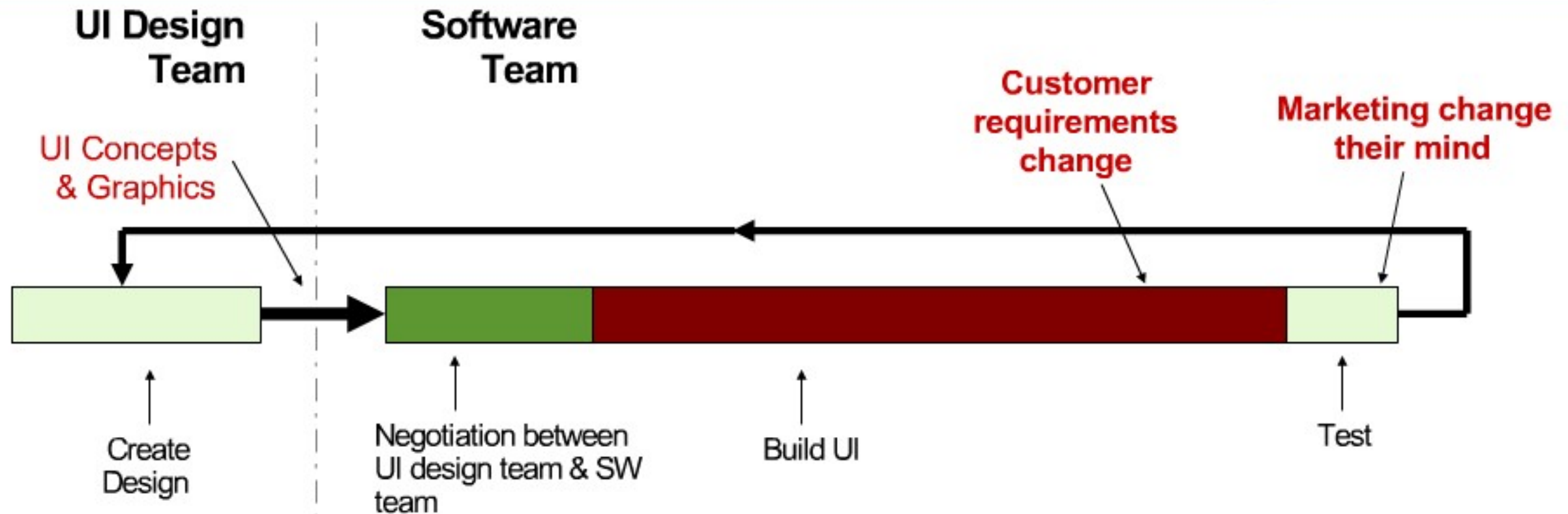
- checks implemented UI
- requests changes from SW Engineer or UI designer



UI Designer designs & specifies UI

SW Engineer spends many man-months implementing UI

UI Design & Implementation Process



- Result -
- Long redesign cycles
 - Design may not match what UI Designers wanted
 - Product may be launched without fixes being done

What is Inflexion?

■ Graphics Engine

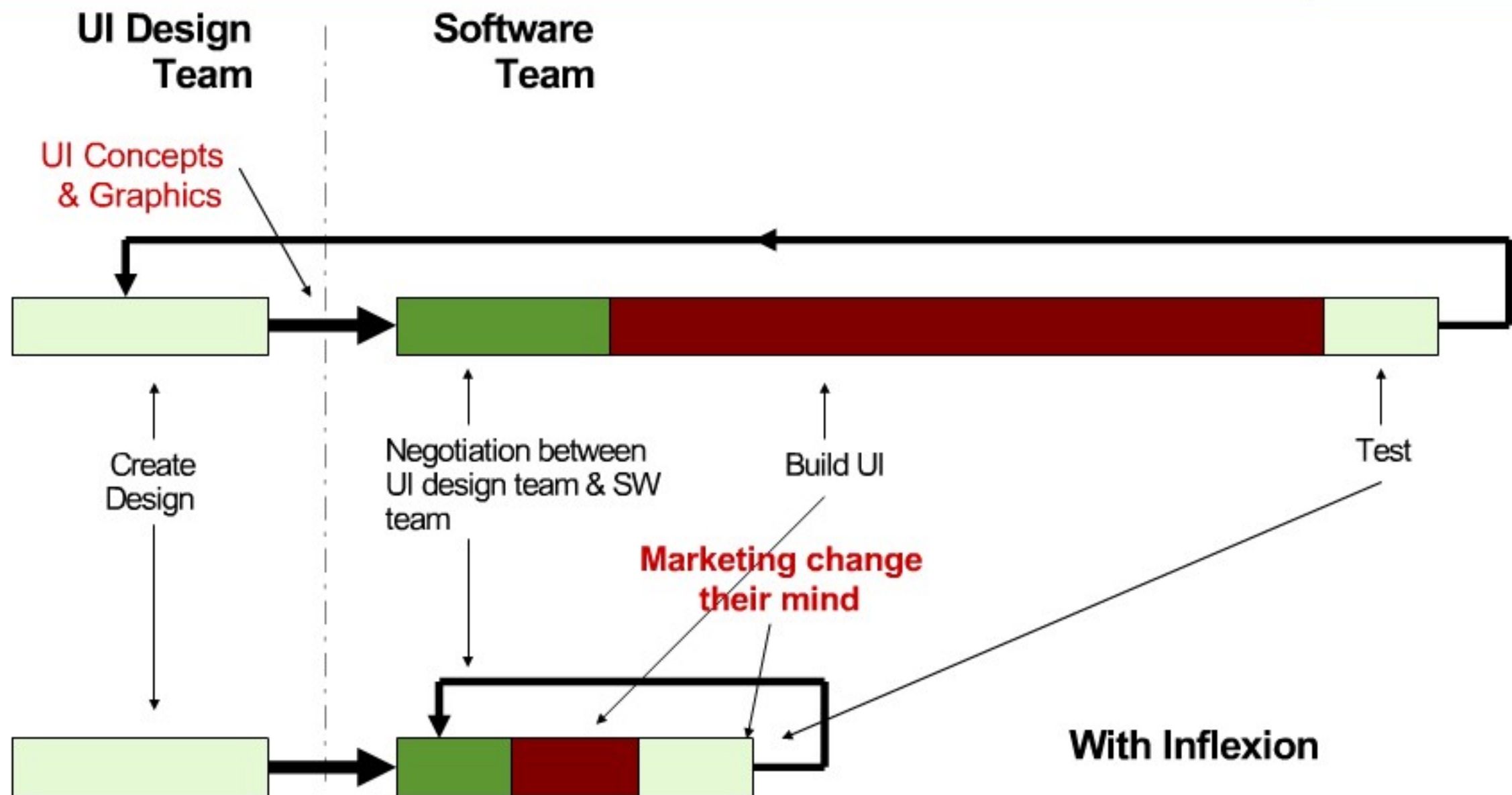
- Advanced 2D, 2.5D & 3D graphics
- Enable effects like spinning, zooming, orbiting, per-pixel lighting, bump mapping, etc
- Enabled by in built software rendering or makes full use of available hardware acceleration (Open GL/ES 1.1 and 2.0)
- Abstracts from Open GL/ES
- Supports Nucleus, Linux, Android and other OSs

■ UI Implementation Tool

- Allows rapid and radical changes to look & feel, screen size, usability improvements, etc
- By dragging & dropping
- Palette projects allows components to be easily reused across screens and or products
- Apply custom OpenGL/ES Shader effects via design tool
- UI changes without changing the underlying application logic

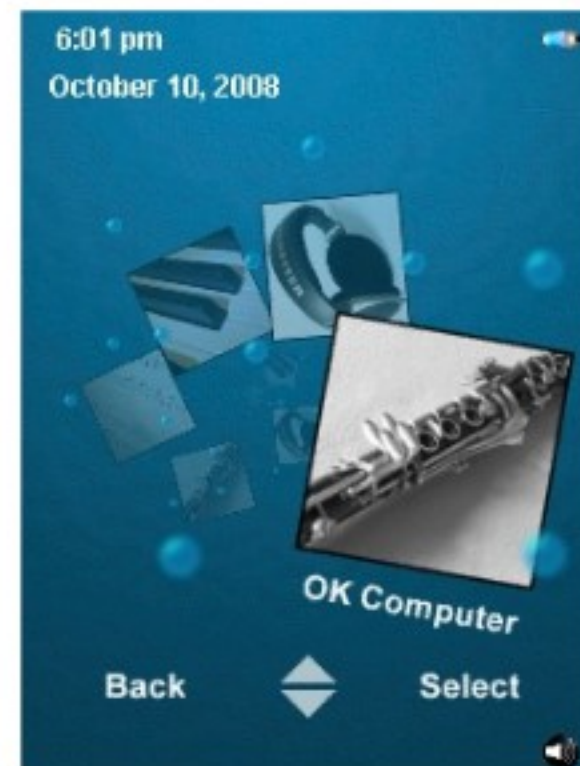
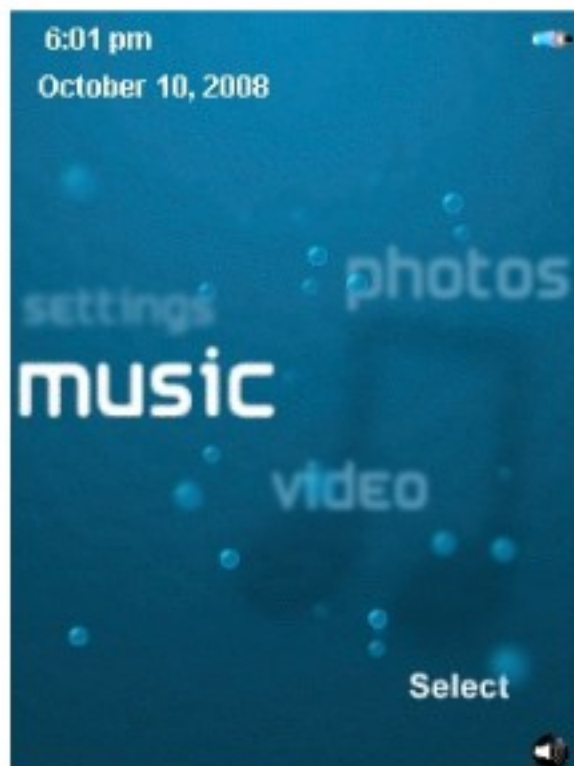


UI Design & Implementation Process



Inflexion shortens negotiation and build phases, and simplifies change cycles

How It Works: Modules And Menus



Module
returns data
via API



Different templates,
same menu!

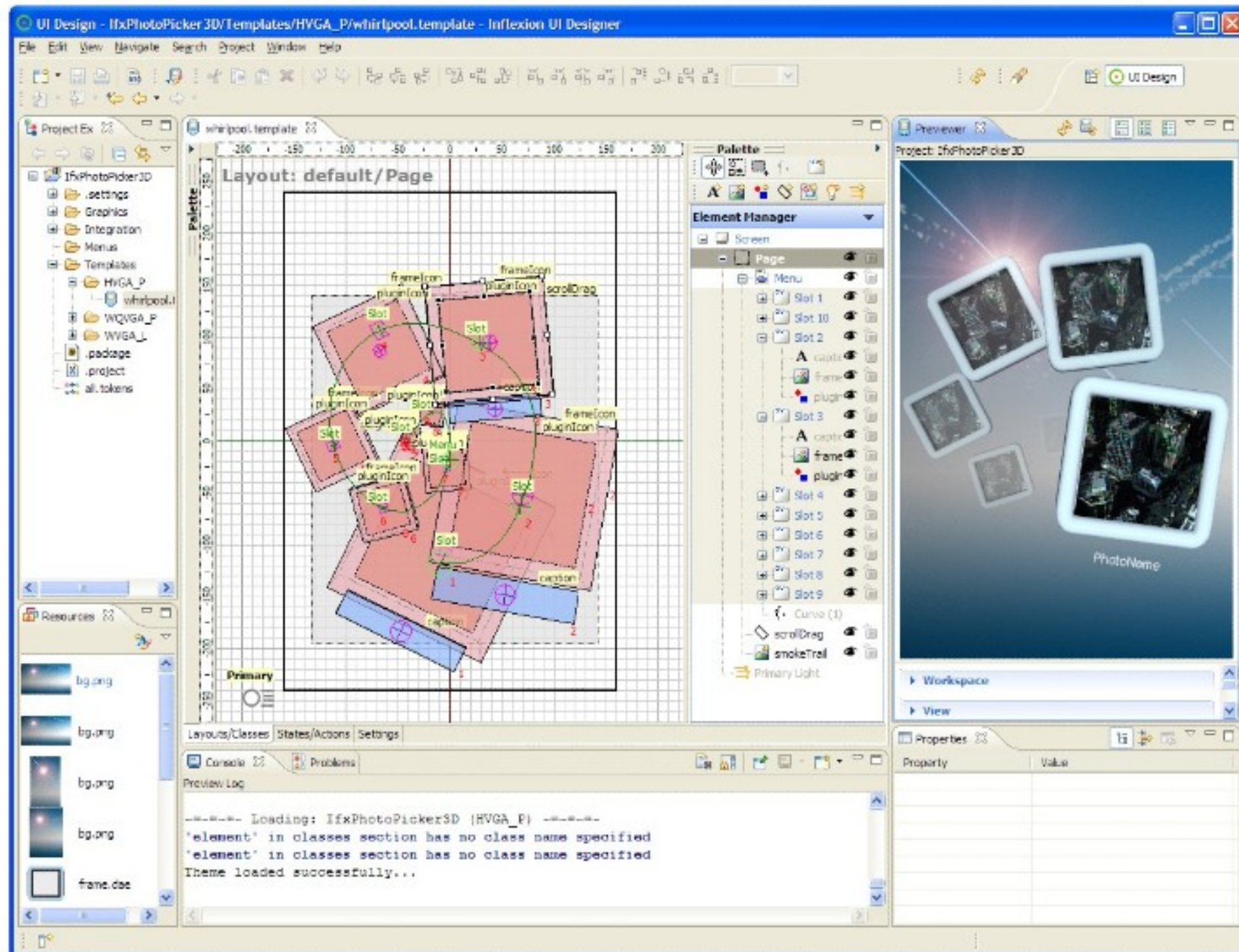
Music
Photos
Video
Settings



Tables for more
complex menus

Beatles	Sgt Pepper's...	Pepper.png
Radiohead	OK Computer	Okpc.png
Oasis	Definitely Maybe	Defmaybe.png
Michael Jackson	Thriller	Thriller.png

How It Works: Inflexion UI Express Tool



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