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GreenHouse

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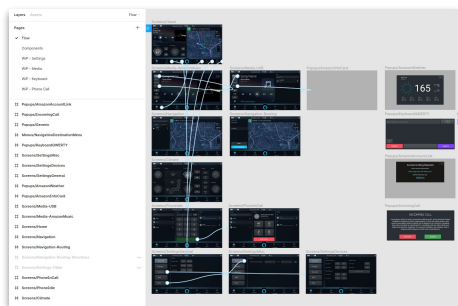
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GREENHOUSE: THREE STEP APPROACH

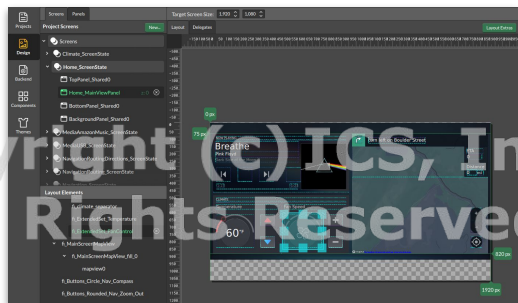
UX-FIRST APP DEVELOPMENT

Figma UI & UX Design



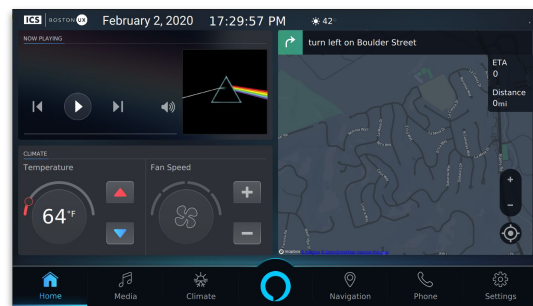
- Reduces time to generate assets
- Easy handoff from UX designers
- Or, design directly in GreenHouse
- Import Sketch, Photoshop, etc

GreenHouse Architect



- Import assets into GreenHouse
- Easily interface and bind data
- Add custom QML components
- Integrate unique backends (Websockets, OMQ, Mqtt, etc.)

Desired Application



- Platform agnostic Qt/QML code
- Enforces layered architecture
- Reusable, testable, simulatable code
- RPC support for remote backends and simulations



ICS's Architectural Approach with GreenHouse

Key Question: *How does GreenHouse support application separation?*

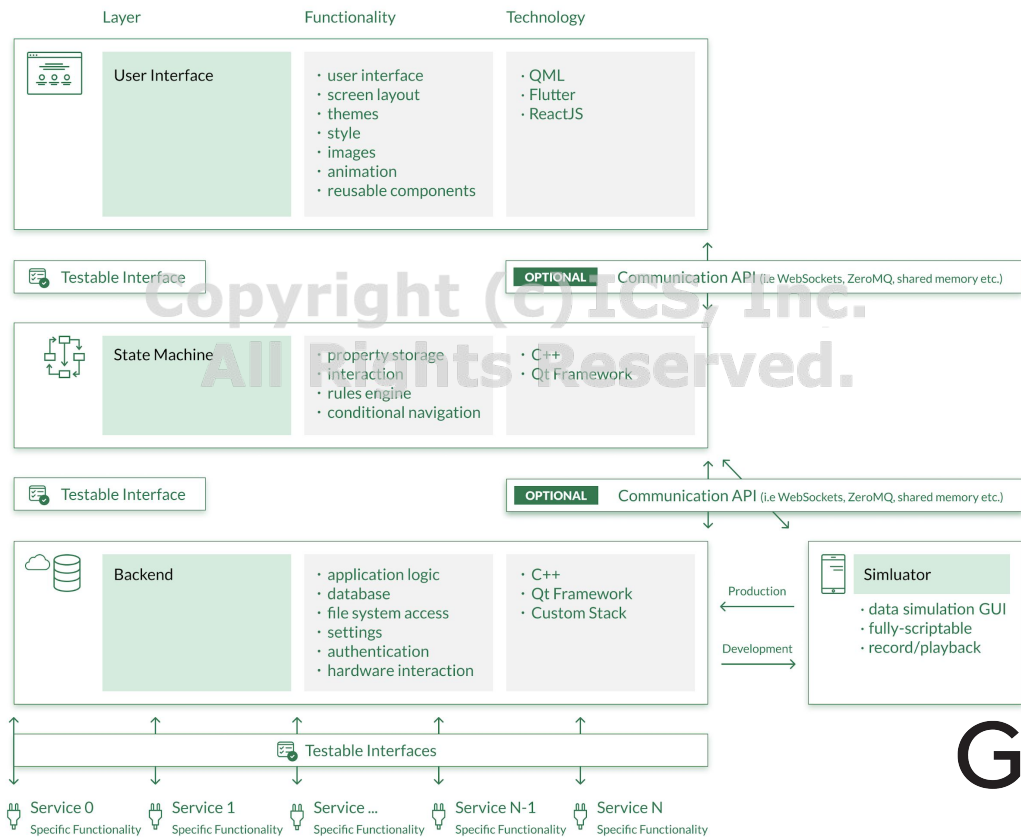
- Produces a full layered architecture
- Allows for easy custom code injection into backend and/or simulator
- Provides testable interfaces between each layer
- Connects to specific application functionality in the backend through services (plugins)
- Permits remote execution of backend and swappable UI technology
- Supports multiple communication APIs



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The GreenHouse Architecture



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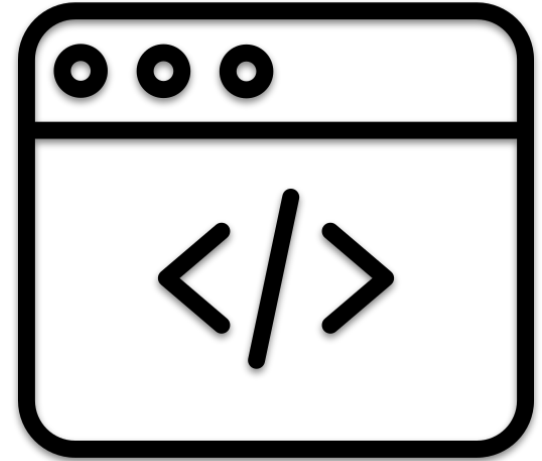
GreenHouse Architecture Demo



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GREENHOUSE KEY BENEFITS:

- Imports entire UI/UX designs from tools like Qt Design Studio and Figma
- Produces a full layered architecture that provides a separation of concerns and easy code injection
- Enables data simulation and “black box” testing of your UI before your backend driver code is ready
- Generates a functional prototype, which evolves into the shipped product, faster than ever

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