

# Simulating Complex Experiences

Qt Design Studio enables you to connect UIs to different forms of data from various sources, such as QML-based data models, JavaScript files, and backend services. You can also connect your UI to Simulink to load live data from a Simulink simulation.

## > Loading Placeholder Data

You can create QML files that contain placeholder data, so that you can test grid, list, or path views, even though you don't have access to real data.

## > Simulating Application Logic

You can use JavaScript to generate mock data for your UI.

## > Simulating Dynamic Systems

Use the Simulink connector to connect a Simulink Simulation Model to your UI. Simulink is a MATLAB-based graphical programming environment for modeling, simulating, and analyzing multi-domain dynamic systems.

## > Using QML Modules with Plugins

You can load C++ plugins for QML to simulate data.

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