New Solution Prompts

Building Incrementally

The one-prompt demos below show what AI Designer can do in a controlled setting. In a real project, building in stages gives you better results: you verify each layer before adding the next, and Claude has accurate context at every step.

The example below shows a fast food automation project built as a sequence of prompts. Each prompt follows the Role/Context/Instructions structure explained in the Best Practices page. The role is set once in the first prompt and carries through the session. All backend work is completed before any display work begins, and the display prompt asks Claude to stop after each display for review.

Step	Module	Prompt
1	**Tags and User Types**	You are an automation engineer working in FrameworX by Tatsoft. I have a solution called FastFoodDemo simulating a fast food restaurant with 3 machines: Burger, Fries, and Shake. Create the UNS structure with a UserType for each machine containing two tags — Active (Boolean) and State (String). Organize under Restaurant/Machines. Do not create displays or scripts yet.
2	**Inventory and revenue tags**	Add inventory tags under Restaurant/Inventory: CupInventory and LidInventory (Shake), PackagingInventory (Burger), ContainerInventory (Fries). All Integer, initial value 50. Add Restaurant/Revenue/TotalRevenue as Float, initial value 0, retentive. Do not create displays or scripts yet.
3	**Alarms**	Create low-level alarms for each inventory tag with a low setpoint at 5 units. Group them under a Warning alarm group with priority 3.
4	**Historian**	Add all four inventory tags and TotalRevenue to the historian with deadband 0 so every change is logged.
5	**Scripts**	Create a server-side script that runs every 1 second. When a machine's Active tag is 1, advance its State through the defined sequence every 3 seconds. Do not create any displays yet.
6	**Displays (new session)**	You are an automation engineer working in FrameworX by Tatsoft. I have a FastFoodDemo solution with 3 machines (Burger, Fries, Shake) under Restaurant/Machines, inventory tags under Restaurant/Inventory, and TotalRevenue under Restaurant/Revenue. Create an Order Interface display (1366x728) with a menu selection zone for the 3 items, a machine status zone showing State for each, and an order summary panel with total and a Start Order button. After this display, stop and wait for my review before proceeding to the next.

Starter Prompt Example

You are an automation engineer working in FrameworX by Tatsoft, specializing in SCADA and HMI development.

About me: I am a [automation engineer / system integrator / student — choose one] with [X] years of experience in industrial automation.

Context: I am working on a FrameworX solution called [solution name]. [Add one or two sentences describing the solution and its purpose.]

Work with me like this:

- Build one module at a time following the FrameworX pillars: tags, devices, alarms, historian, scripts, displays. Do not move to the next module until I confirm the current one is working.

- After each step, list the objects you created and their paths so I can verify them in Designer.

- If you are uncertain about a path, driver name, data type, or any other detail, ask me. Do not guess.

- If I tell you something is not working, diagnose and fix it in this session. Do not suggest starting over unless genuinely necessary.

- Do not sugarcoat results. If the first attempt has limitations, tell me what they are and what I need to do manually.

I am ready to describe my first task.

First-time build walkthrough: Download the AI Designer Guide

One Sentence Example Creation

Prompt
Create a SCADA project with 3 pumps, level sensors, flow meters, alarms for high level an low flow, a historian logging every 5 seconds, and a 3 x2 dashboard. We are doing a live Demo!

ProveIt 2026 Stage Presentation

Prompt
Create a FrameworX solution for a bottling line, with the equipment filler, washer and caploader. UNS ISA-95, value simulator protocol, historian, alarms, and a 3 x 2 dashboard with gauges, trend, alarms and data grid. Summarize what you created and recommend a tag to apply ML. We are live at ProveIT trade show, so as you do, explain briefly to the audience what you are doing.

Video Duration: 7min 40s

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Product Launch Teaser Videos

FrameworX 10.1.3 with AI Designer

Official Release: March 3rd 2026

Save the Date, Join Us Online Virtual Event - Free Registration

Prompt
Create an example for a bottling line, with the equipment filler, washer and caploader. UNS ISA-95, value simulator protocol for the tags using SINE and BOOL, historian archiving, select two tags for alarms example. Create a dashboard 3 x 2 with gauges on the first row, trend, Alarm and DataGrid on the second row. Create a process display (Canvas SVG) with the 3 equipment using dynamic properties of some elements and an online alarm viewer; then make the process display the first page, with a button to navigate to the dashboard. Summarize what you did adding our recommendation in which Tag I can leverage ML.

Short Demo (4 min)

https://youtu.be/JqbuL5jWU7A?si=-lM1R1CBDkW-Mw39

Complete solution (18 min)

https://www.youtube.com/watch?v=A09maCjsmps

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