ptc

LIVEWORX

A NEW ERA IN PRODUCT LIFECYCLE INNOVATION

SESSION ID: CA1203B

CUSTOMIZE YOUR CAD WITH FEATURESCRIPT

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Software Engineer, Premier Custom Built

05/16/23

SHOULD I CUSTOMIZE MY CAD

- Do you perform repetitive tasks
- Do you wish your processes were part of the CAD system
- Do you want to speed up the reviewing and revision processes
- Do you wish a feature worked differently
- Do you want to optimize your onboarding process

IF YOU ANSWERED YES, THIS PRESENTATION IS FOR YOU

ABOUT

Chad Stoltzfus

Software Engineer, Premier Custom Built

PREMIER CUSTOM BUILT

LEADING THE INDUSTRY IN
LUXURY CABINETRY & MILLWORK

Cabinetry

Dedicated to preserving the craft

Engineering

Applying engineering excellence to everything we do

Technology

Innovating our manufacturing and engineering processes

TODAY'S GOAL

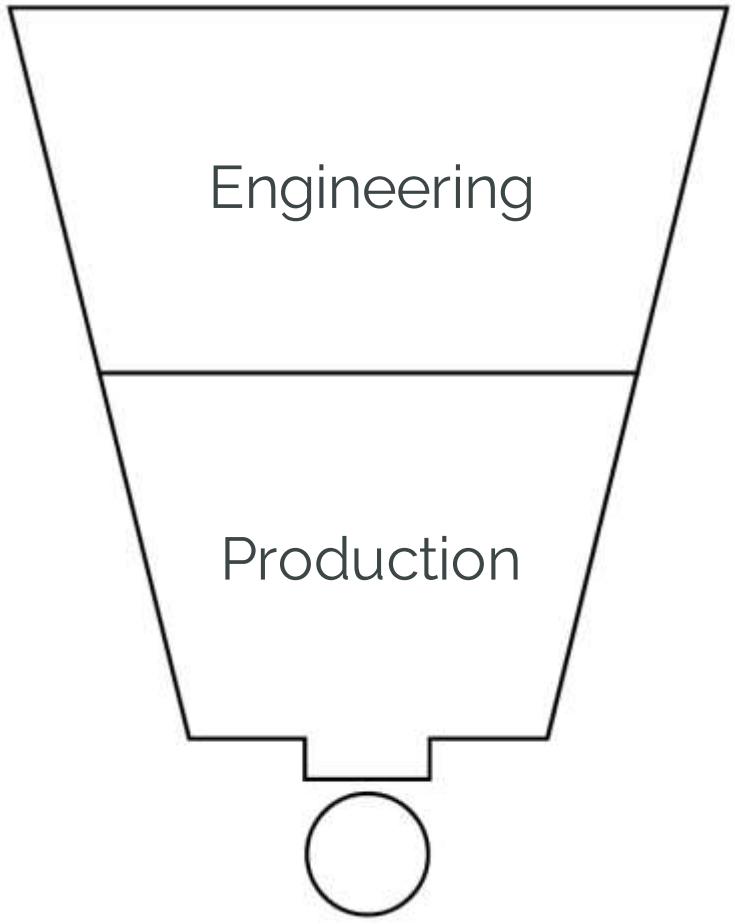
- Powerfully capture the expert knowledge your business needs

ROOTED IN TRADITION

PLANTING SEEDS OF INNOVATION

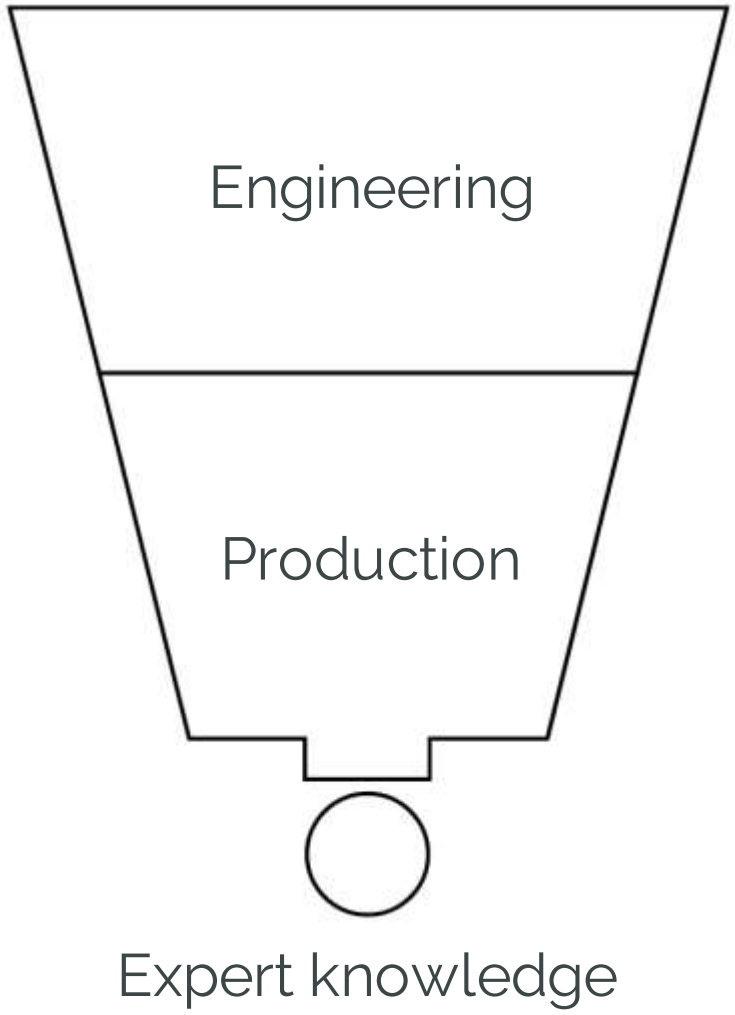
EXPERT KNOWLEDGE

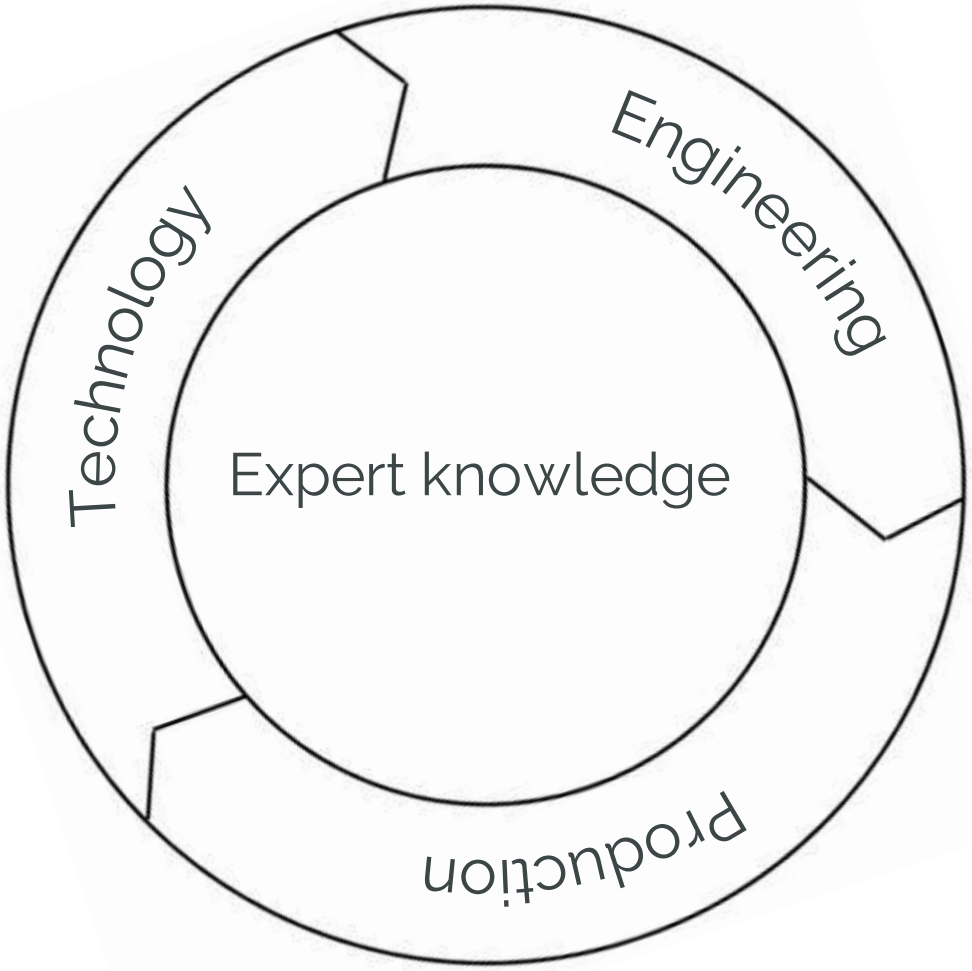
FUNNEL TO FLYWHEEL



Expert knowledge

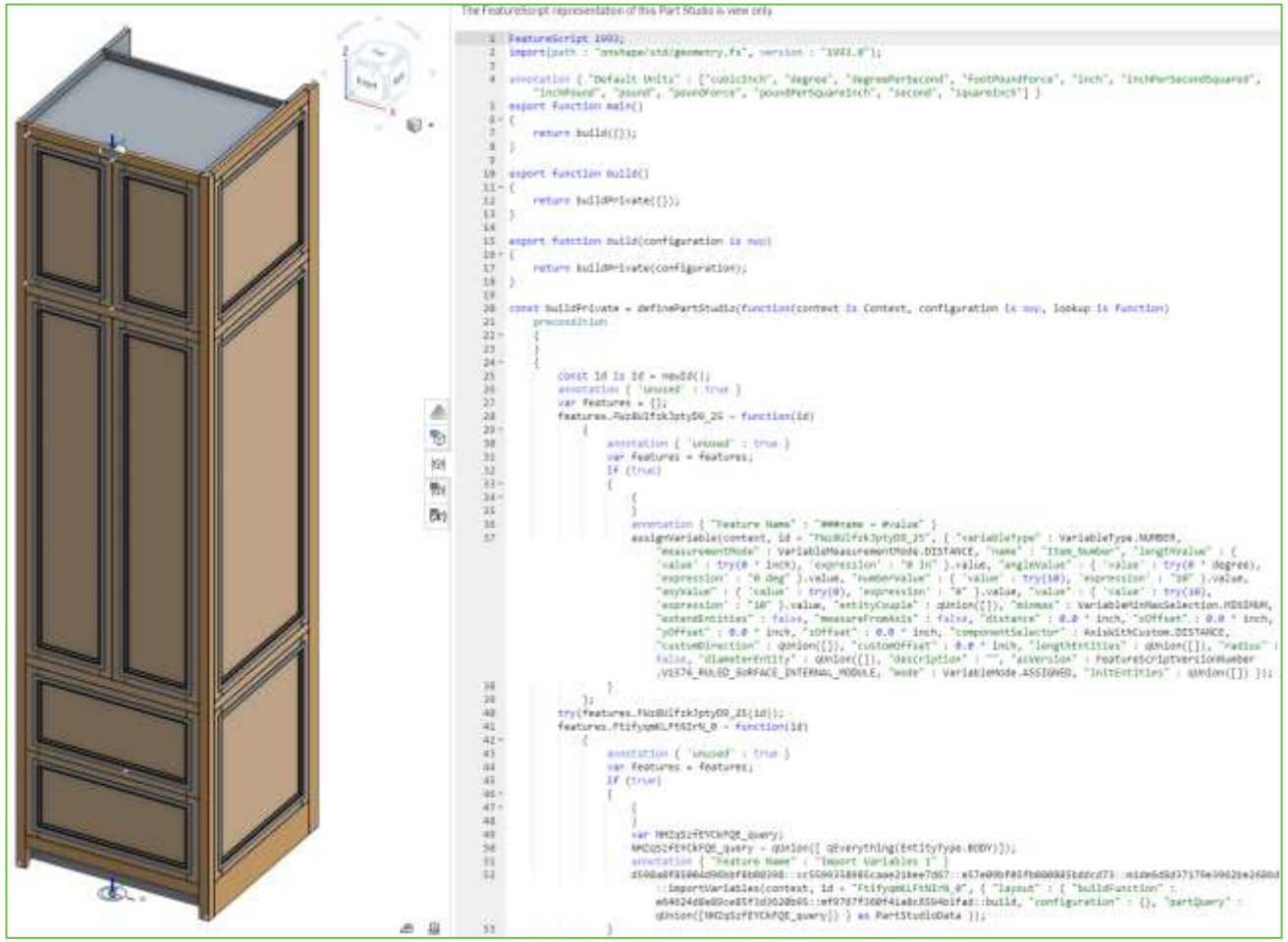
FUNNEL TO FLYWHEEL





WHAT IS FEATURESCRIPT

- Backbone of Onshape
- Custom Features
  - First-class citizens
  - Made by engineers, for engineers
  - Version controlled
  - **NOT** macros or UI automation
- Custom Tables
- Computed Part Properties
- Custom Workflows



DECREASE MODELING TIME

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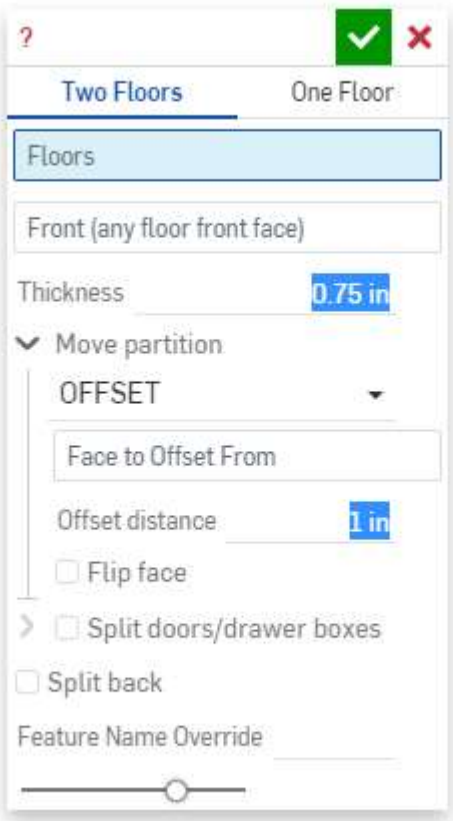
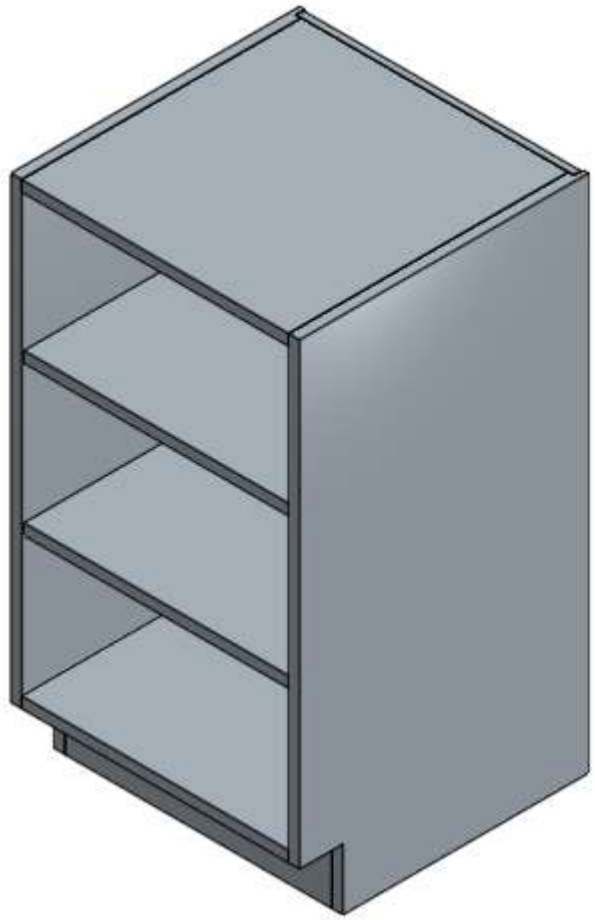
- Custom UI
- Custom UX
- Custom functions





ELIMINATE NON-DESIGN RELATED ACTIVITIES

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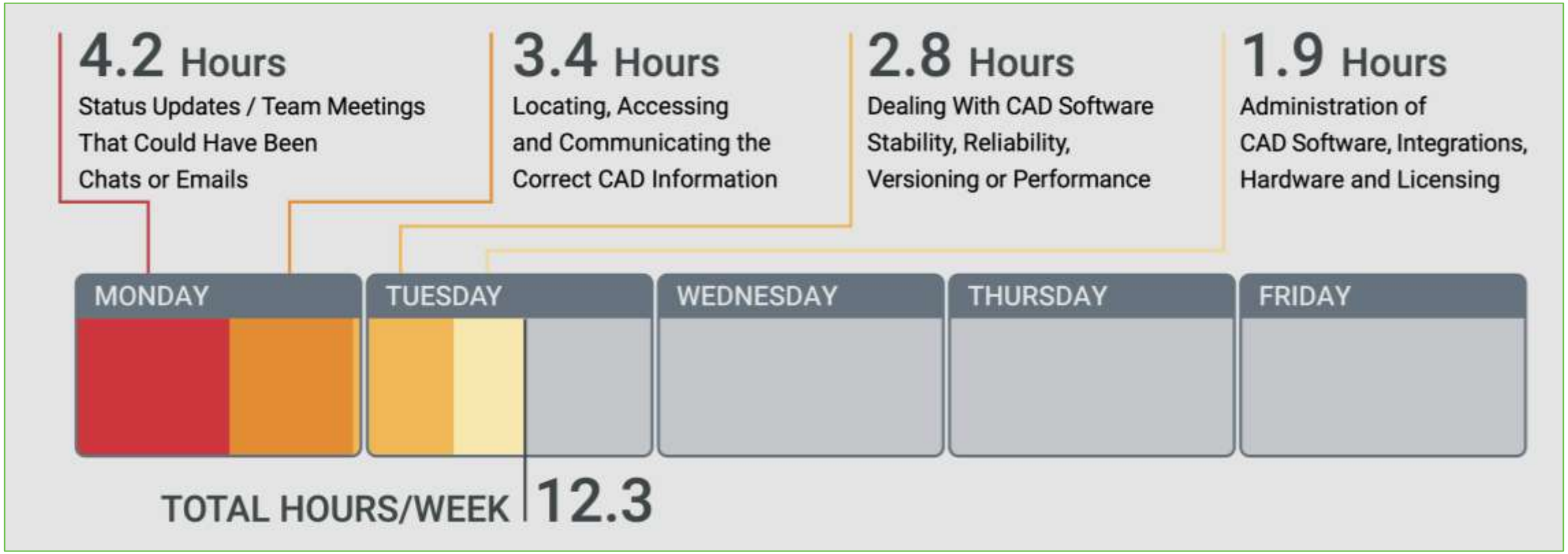

The State of Product Development & Hardware Design 2022-2023, September 1, 2022, Onshape a PTC business

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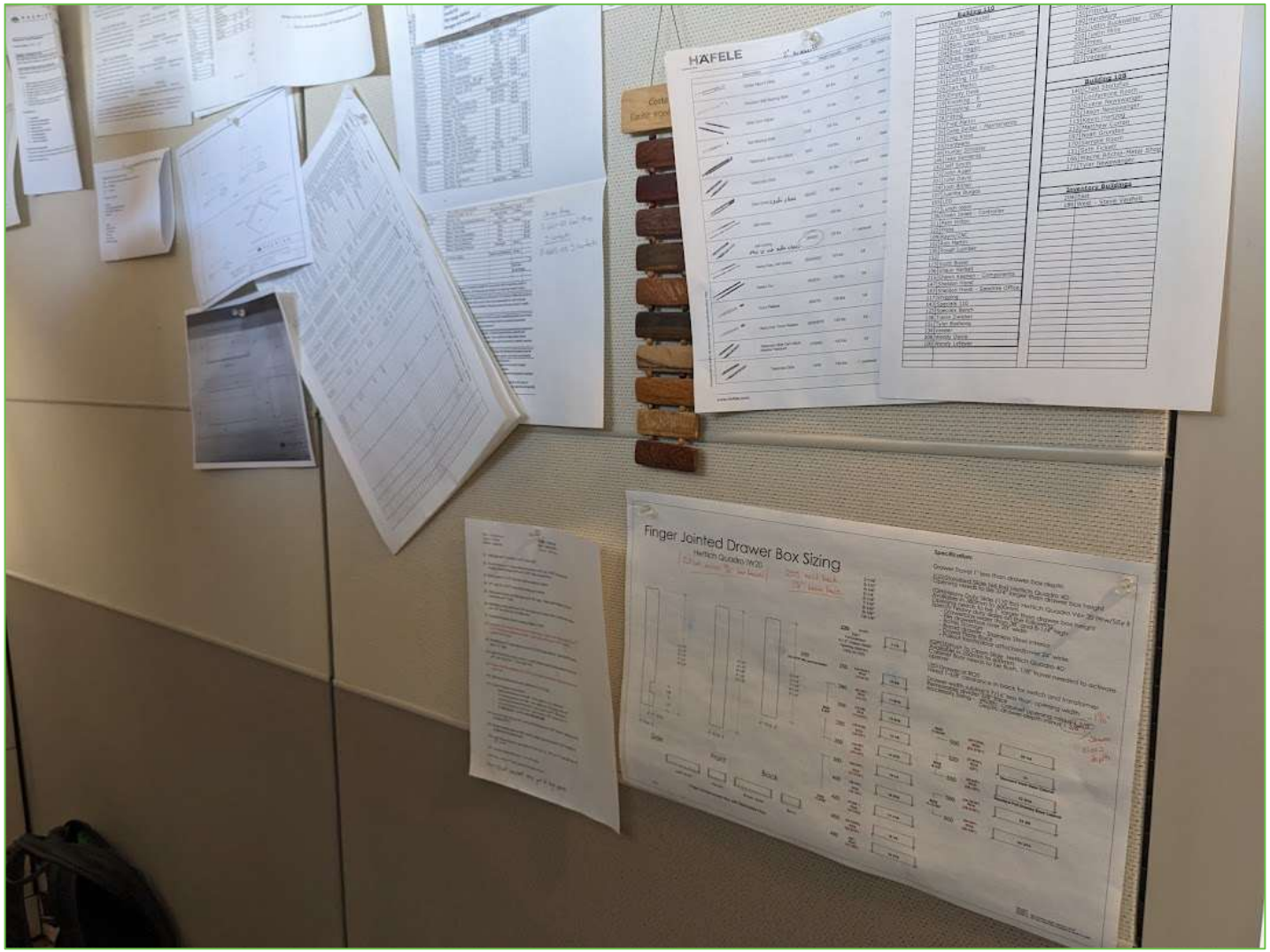

REDUCE REWORK AND ONBOARDING COSTS

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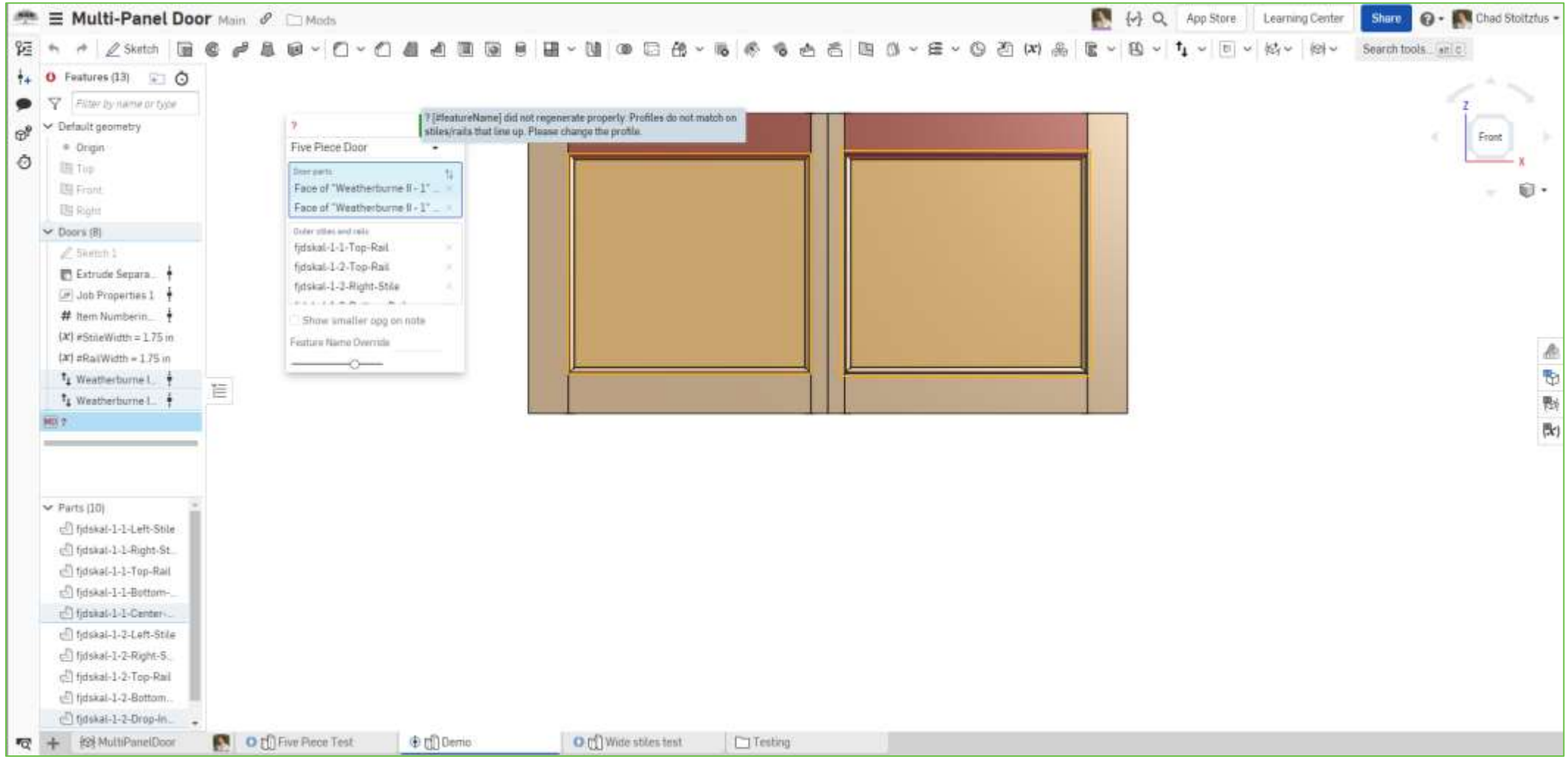

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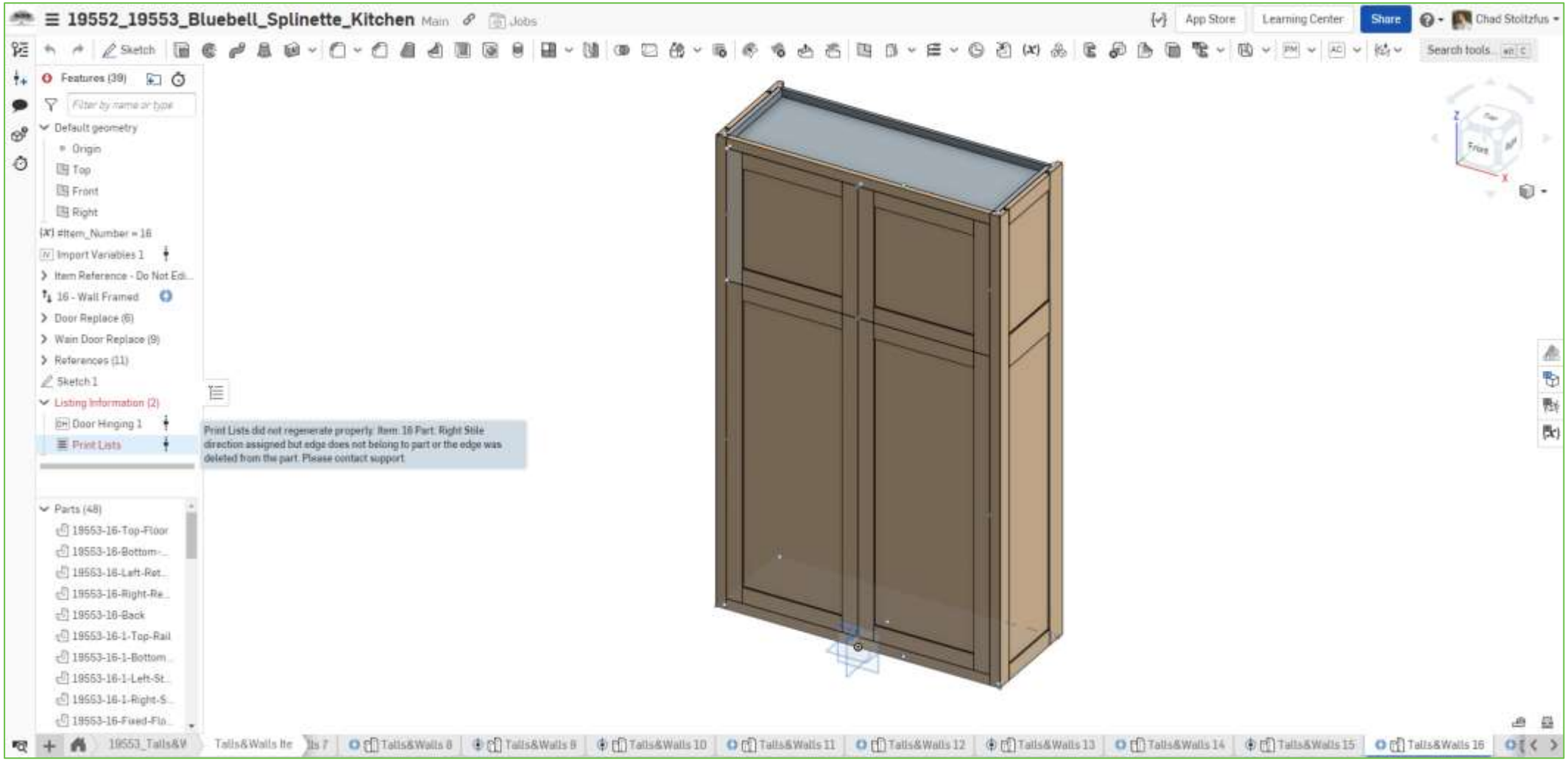


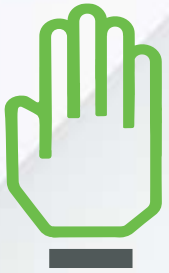
ONLY SCRATCHING THE SURFACE

- Custom Feature Suites
- Configurations
- Computed Properties
- Part Metadata
- API

NOW WHAT?

- Invest in champions
- Identify repetitive tasks
- Combine design and documentation
- Think beyond “how we do things today”

Powerfully capture the expert knowledge your business needs



QUESTIONS?

Thank you! You can find me at:

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https://www.linkedin.com/in/chadwick-stoltzfus/

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THANK YOU

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