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PHOENIX CONVENTION CENTER | PHOENIX, AZ

RFID JOURNAL LIVE!

Leveraging RFID to Improve Customer Experience

The DART Group

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Video #1 Auburn Journal Live VR Lab Video





PLM Model Overview

Process

- Process flows detail decisions customers make while in store.
- Understanding the current state helps DART recognize areas for optimization and innovation

Layout

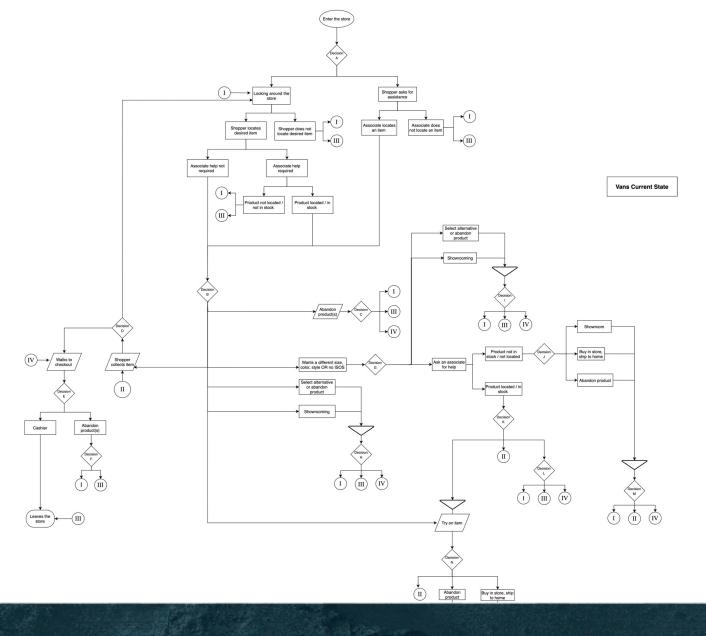
- Layouts are an estimate of each brick-and-mortar store.
- Point to the physical location of decisions customers are making in the process flows.
- Aid in understanding customer movement during their shopping experience

Metrics

- In partnership with retail management, DART determines metrics for improvement.
- DART analyses how proposed technologies and/or process changes impact decisions that shoppers make while in store and overall customer experience



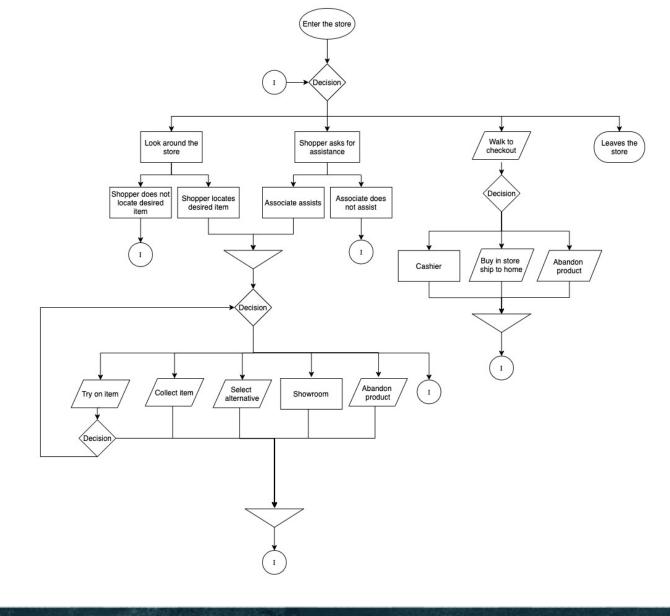
PROCESS FLOW UPDATE







PROCESS FLOW UPDATE







Sample Process Flow Trial

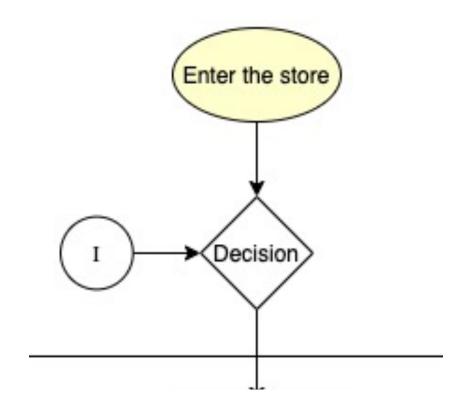
In this trial we will be shopping for a men's shirt.





Step 1: Enter the store

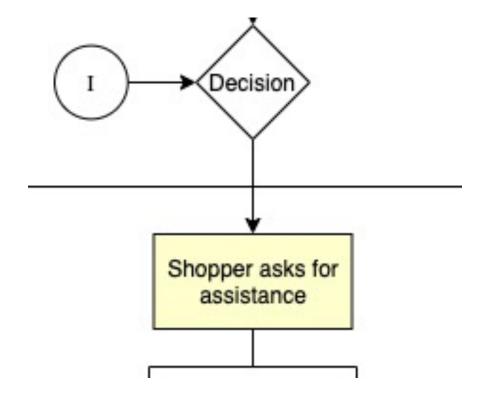
Probability: 1







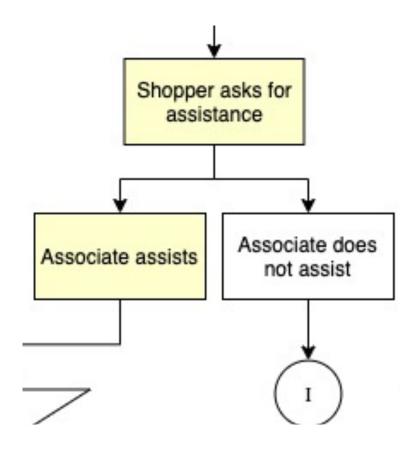
Step 2: Shopper Does Not Locate Desired Item







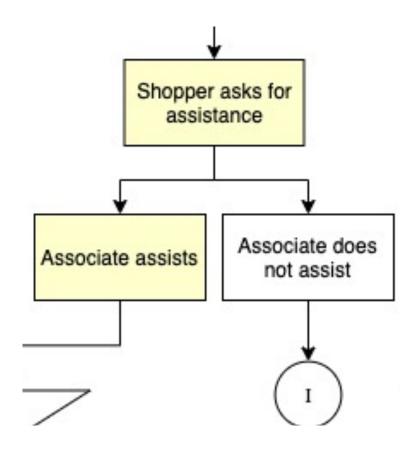
Step 3: Shopper Asks for Assistance







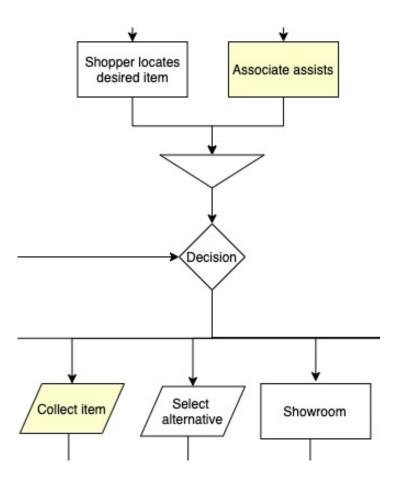
Step 4: Associate Assists







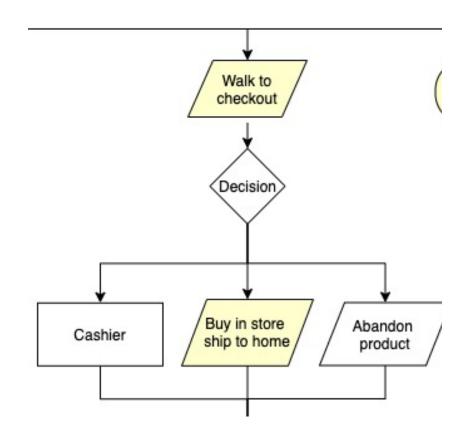
Step 5: Collect item







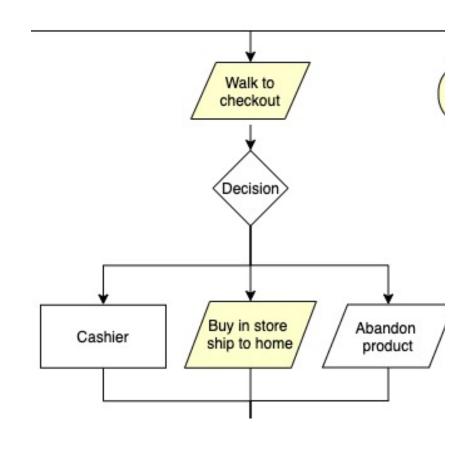
Step 6: Walk to Checkout







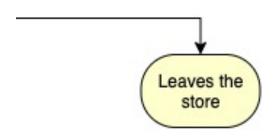
Step 7: Buy In-Store, Ship to Home





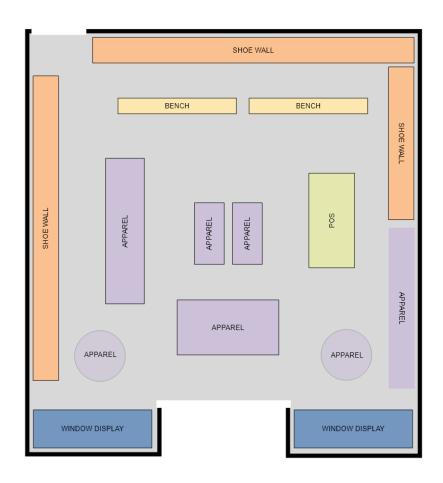


Step 8: Leave the store





LAYOUT UPDATE







LAYOUT UPDATE







Video #2 Auburn Journal Live DART Video









"GAMIFY" THE PLM MODEL

- Seek to "gamify" our store layouts using Unity 3D
- Aid in visualizing the connection between layouts and customer decisions detailed in process flows
- Map the customer journey
- Use the simulation to more accurately weight process flow decisions



METRICS

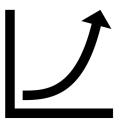


CUSTOMER INDEPENDENCE

 Δ C = +1 (-ask for assistance)

EFFICIENCY

 Δ E = 0 (- ask for assistance, + request via kiosk)





TIME IN STORE

 Δ T = -3 (4 minutes manual, 1 minutes AS/RS)





MODEL EVOLUTION

- Guided "take-home" experience
- We will load the simulation into a VR headset and send it to you for an immersive experience

Benefits of VR:

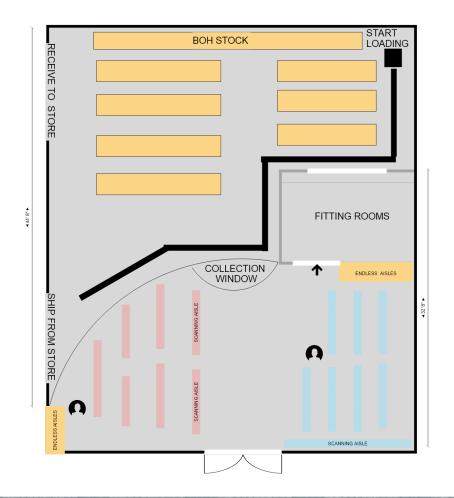
- Track head movement
- Track hand movement
- Understand customer reaction to visual merchandising
- More thoroughly understand customer behavior in-store







Low Contact Model



Function

- Increased BOH
- Optimized for SFS and BOPIS
- Innovative in-store experience

Benefits of Model

- Exponential technological advancement
- Simplified merchandising
- Greater operational efficiency
- Greater inventory accuracy
- Theft prevention





WHAT IS NEXT?

We will be releasing an experimental product.

We would like your partnership!

Sign up for waiting list by emailing Lauren Dunn (led0030@auburn.edu)

You will aid in product development and give feedback on experience before it is release to the public







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