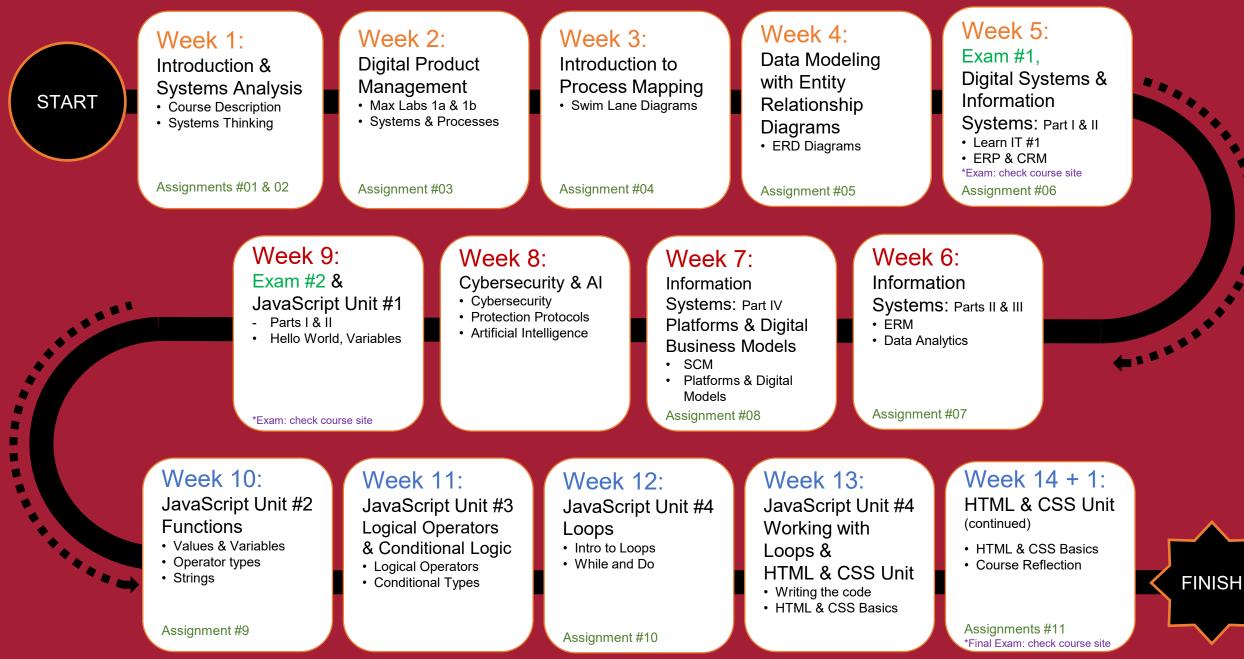


## **Digital Systems**

2.1 Digital Product Management



#### ROADMAP



## Digital Product Manager

## DPMs require a unique set of *soft skills* including:

- Emotional Intelligence (EQ)
- Relationship Management
- Self-awareness
- Self-management
- Social awareness



Source: https://assets.websitefiles.com/5d6d271d0b802026e5355799/5e00bebf15637fdb21b78a11\_woman-office-manager-cc.jpg

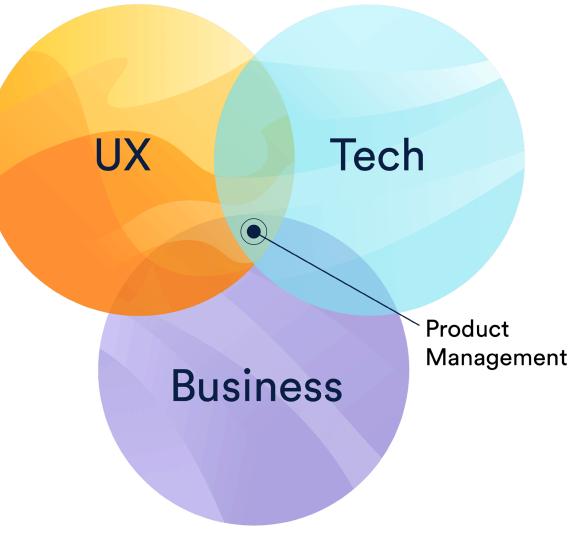




### Digital Product Manager

DPMs have a complex role with a wide range of *responsibilities* including:

- Meeting with customers and clients to determine product requirements
- Balance multiple stakeholders & understand all needs
- Deliver products the align with Business Goals



FOX MIS

Sourcehttps://wac-cdn.atlassian.com/dam/jcr:84dd83c0-f954-477e-b157b591da20d3cf/0\_diagram.png?cdnVersion=464





# **Digital Systems**

2.2 Intro to Process Mapping Modeling Processes with Swim Lane Diagrams



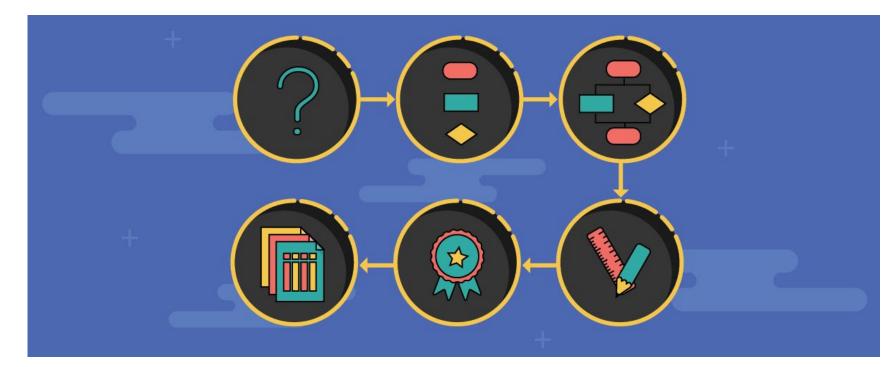
### **Process Mapping**

#### What

- Visual RepresentationWhy
- Identify Problems

#### How?

Draw the "as-is"



Source: https://creately.com/blog/diagrams/process-mapping-guide/

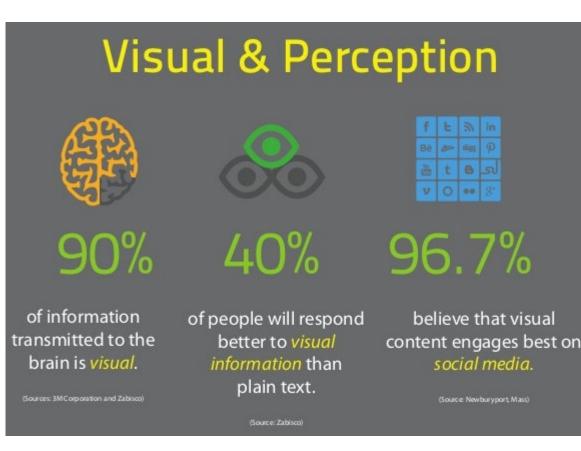




### What's a Picture Worth?

#### How about a diagram???

- How fast does the brain process images?
- 70% of your sensory receptors are in your eyes
- 50% of your brain is active in visual processing



Source: https://tax.thomsonreuters.com/blog/the-importance-of-visual-content-marketing-infographic/

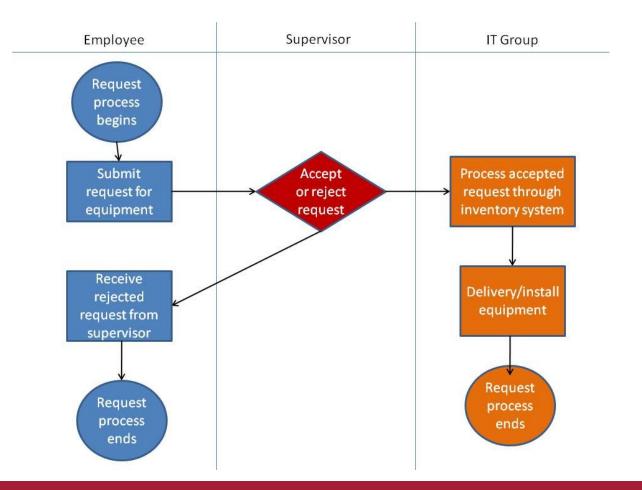
Source: http://esheninger.blogspot.com/2018/08/a-picture-is-worth-thousand-words.html



### Swim Lane Diagrams

#### **Advantages**

- Identifies who does what & in what order
  - Logical & Chronological
  - Indicates hand-offs
- Versatile
  - Applied to other diagrams
  - Training tool



### Swim Lane Diagrams - symbols

- A circle signifies the starting and ending of an event in the process
- A rectangle represents an activity in the process.
- A diamond represents a decision that must be made.
- Arrows indicate the flow of the process.
  - A cylinder represents stored data.



The process starts when the customer contacts Sales to place an order. The person in Sales creates the sales order. As part of doing this, the person in sales first checks to see if the customer has enough available credit to cover the order. They do this by looking up the customer's credit on a report that is generated by Accounting and sent to Sales every Monday morning. If the customer doesn't have enough available credit then the person in sales notifies the customer who can then either update or cancel their order. Next the person in sales checks to see if the items being ordered are in stock. They do this by checking a report on inventory that the Warehouse created at the end of each day. If the items being ordered are not in stock then the person in Sales notifies the customer who can then update or cancel their order. If the report indicates the items are in stock then the order goes to the Warehouse where the workers there will pick the order. Since Sales is looking at a report that is only updated at the end of each day, there is a chance that they accepted an order for an item that is not really in stock. If that is the case the Warehouse notifies Sales who then notifies the customer who can update or cancel their order...

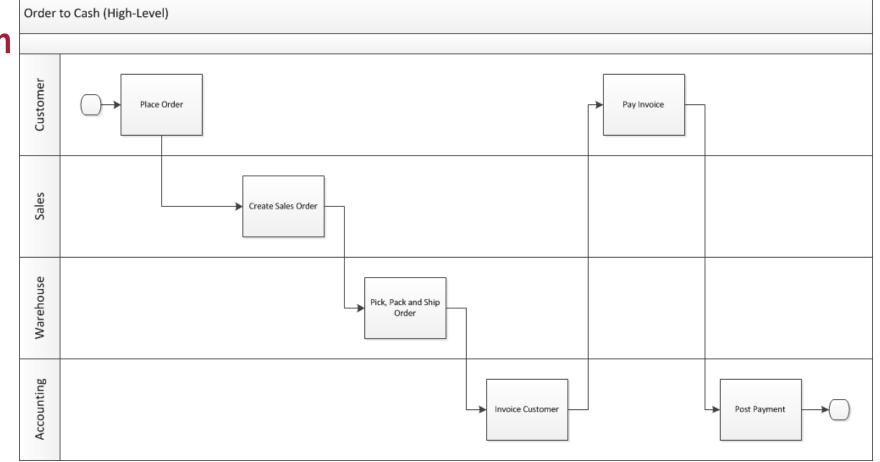


...Once the people in the warehouse pick the order, the people in Accounting have to make sure that the customer actually has enough credit to cover the order. Since the people in Sales use a credit report that is generated on Monday morning, there is a chance that the information on the credit report is old. If the customer doesn't have enough available credit then Accounting notifies Sales who then notifies the customer who can then choose to update or cancel their order. If the customer has enough available credit then their available credit is reduced by the total cost of the order and the warehouse is notified and they pack and ship the order. As soon as the order is shipped the people in the warehouse notify accounting and accounting generates and sends the invoice to the customer. When the customer pays the invoice the people in Accounting increase the customer's available credit by the amount of the payment, they post the payment and we're done.



### Who does What & When

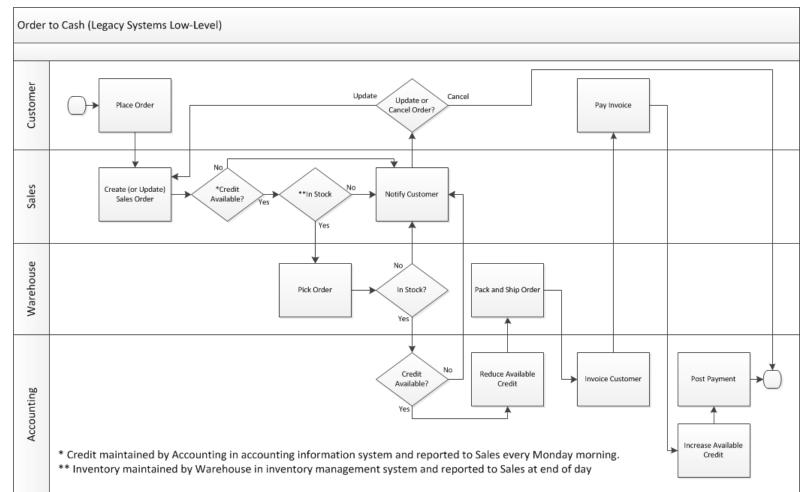
• Overview example





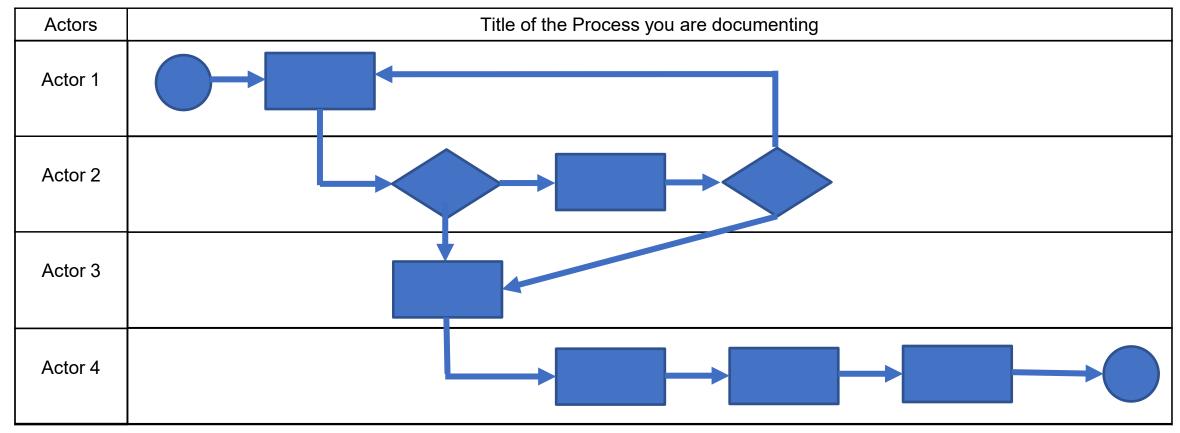
#### Who does What & When

- Complexity added
- Legacy system





### Swim Lane Diagrams – Create your own





## More to Come

Prepare with Readings & Videos before our next class!!!