

BO·TT·EGA
IT minds



<https://github.com/ddd-by-examples>



[#dddbyexamples](#)

DOMAIN-DRIVEN DESIGN

BY EXAMPLES



Michał Michaluk

Java Developer / Consultant @ "Bank"
Trainer / Consultant @ Bottega IT Minds

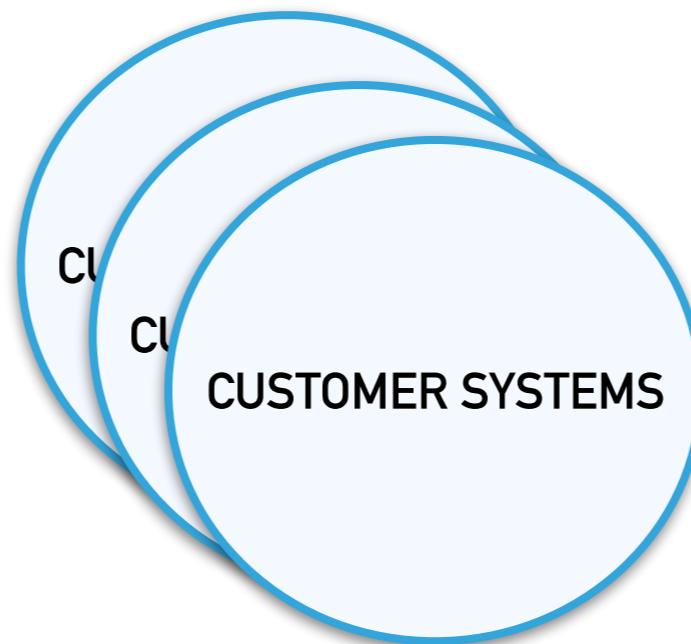
DDD / Craftsmanship / Architecture
Legacy Code Refactoring

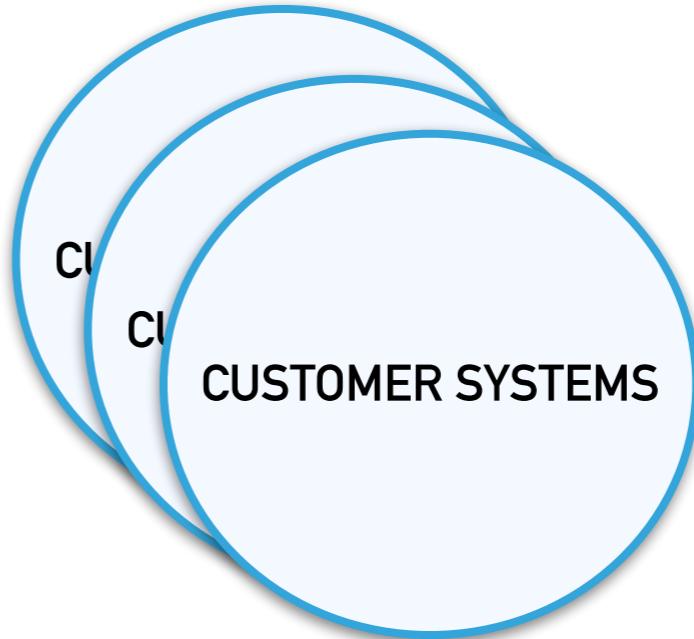
 <https://github.com/michal-michaluk/>

 [@michal_michaluk](https://twitter.com/michal_michaluk)

 Michał Michaluk

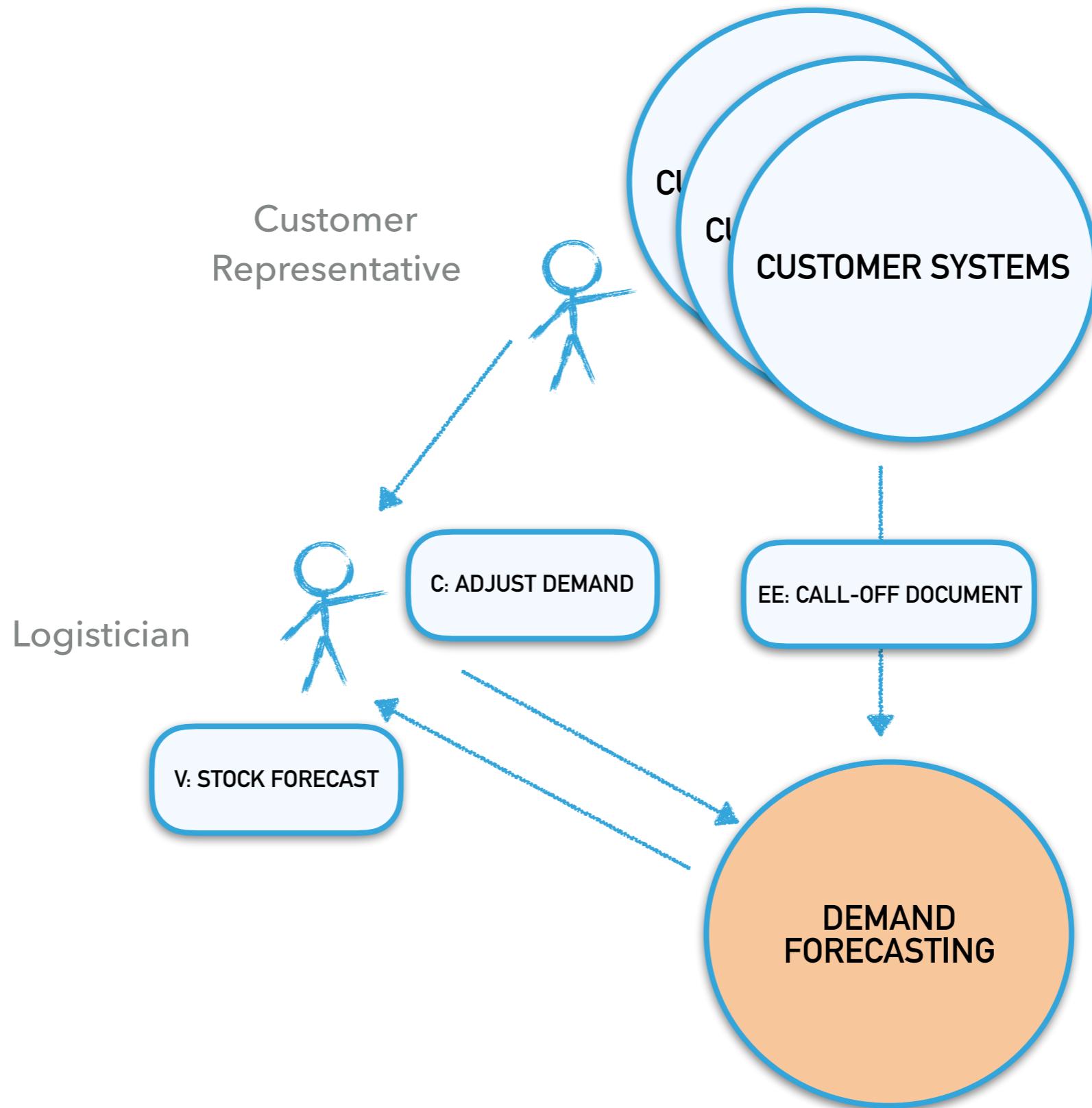
**WHY?
FOR WHOM?
HOW?**

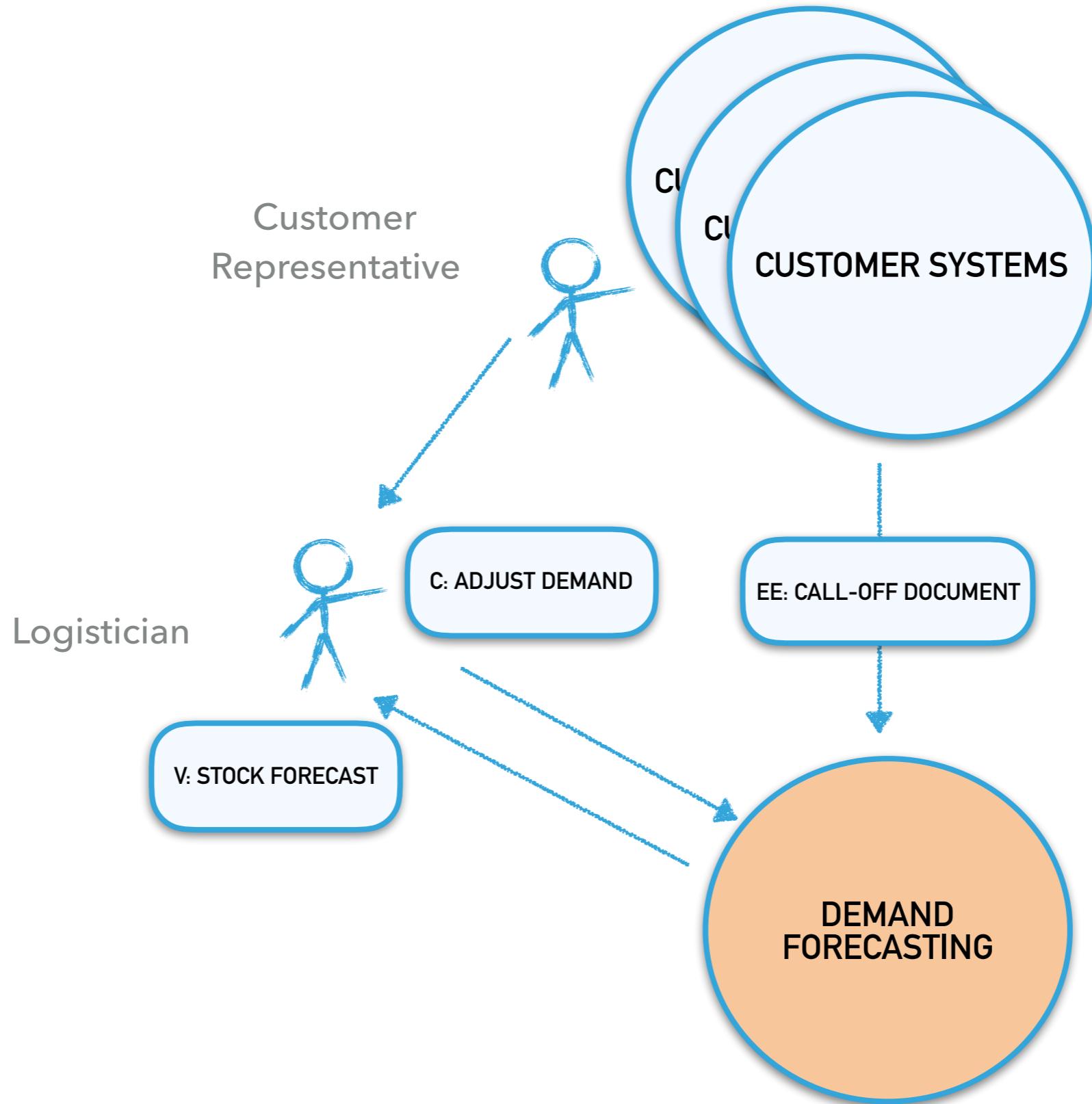




EE: CALL-OFF DOCUMENT









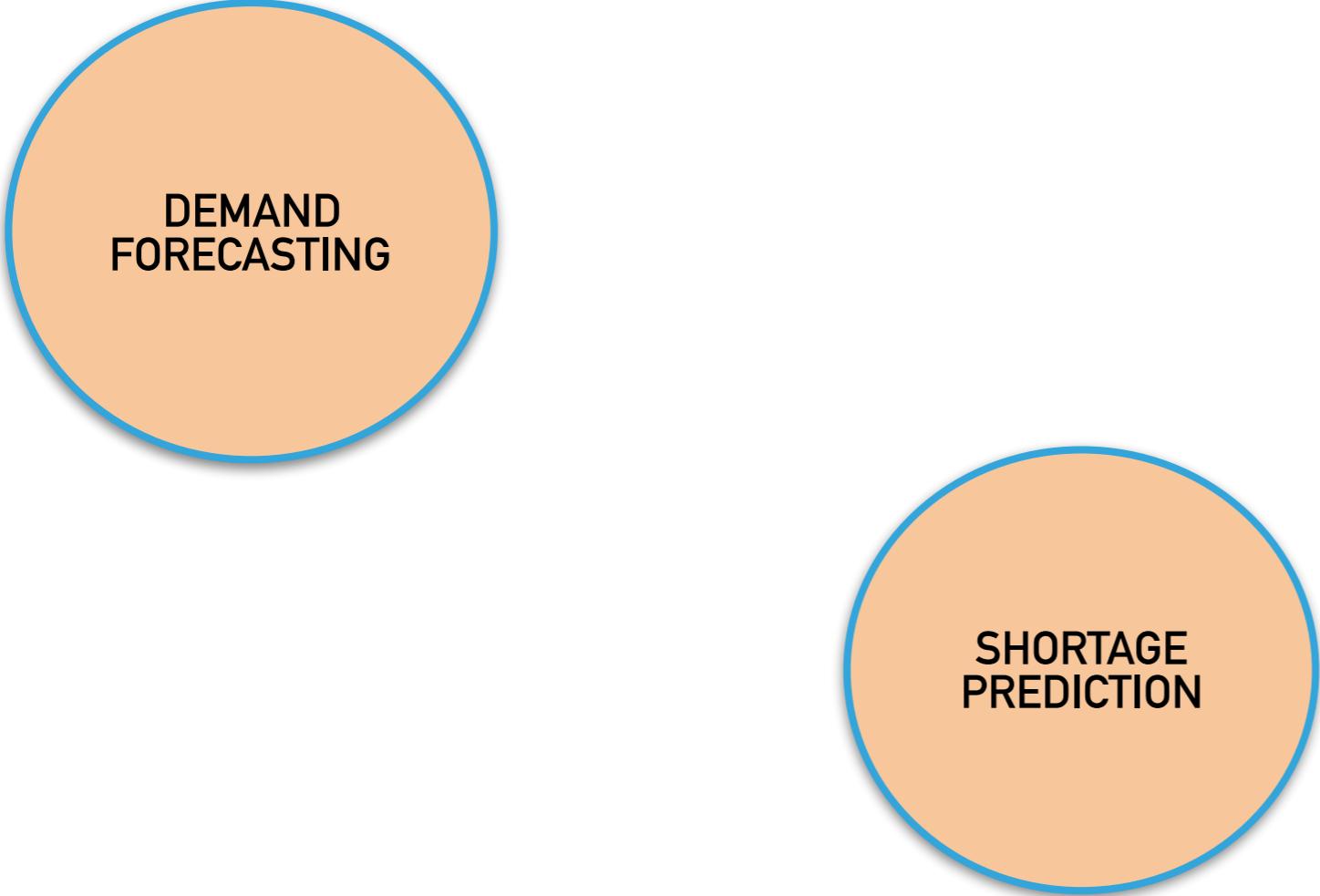
**DEMAND
FORECASTING**



**DEMAND
FORECASTING**

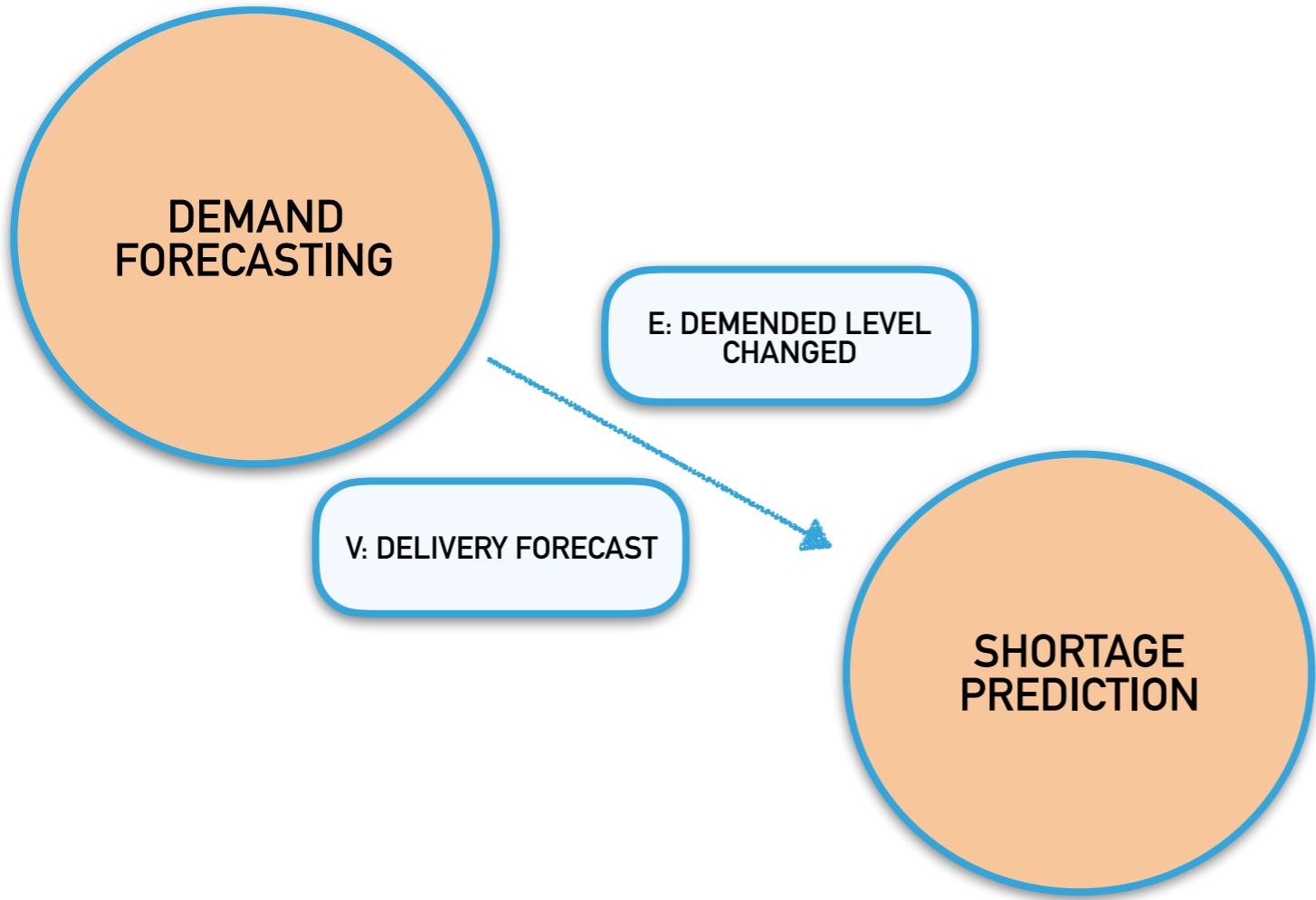


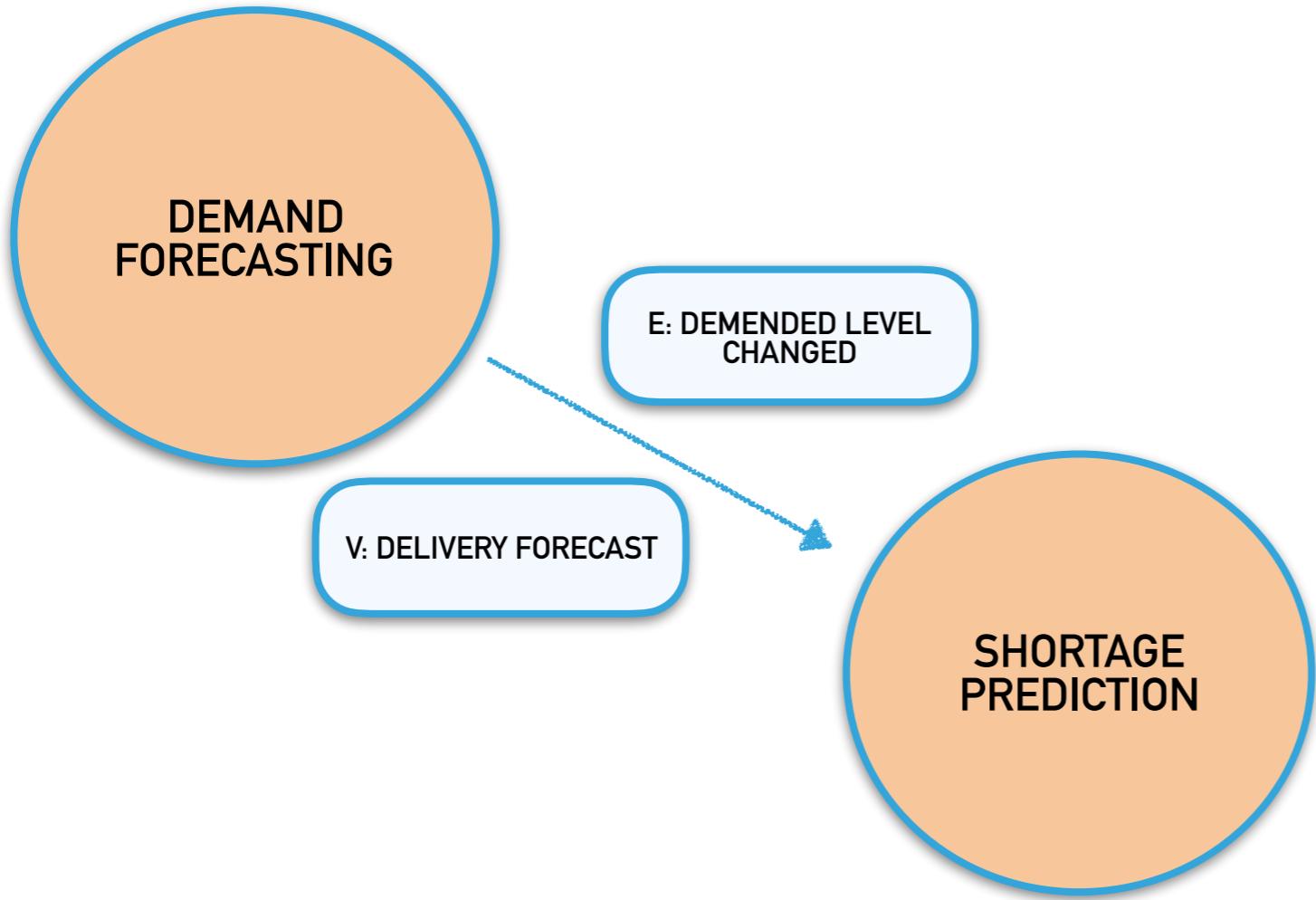
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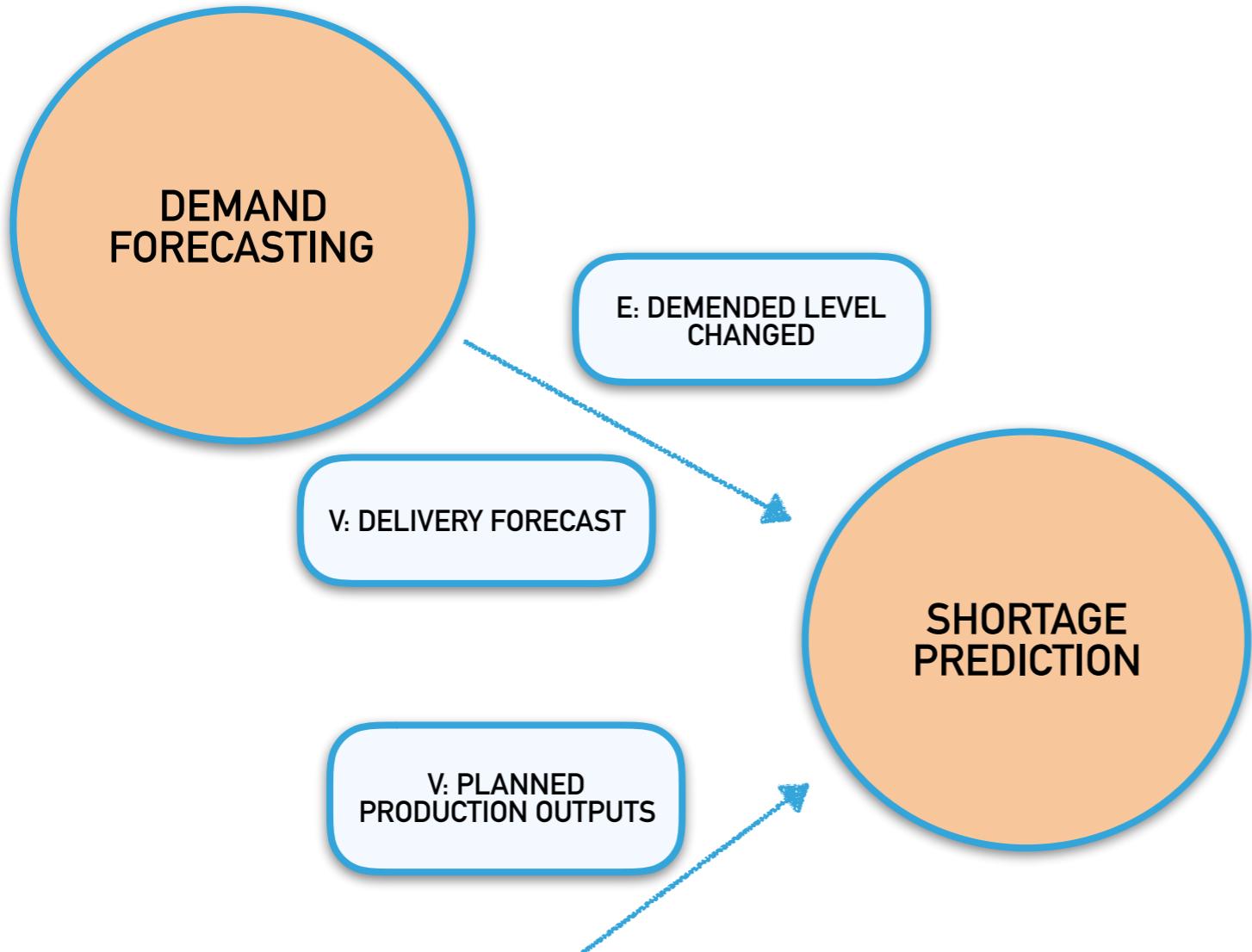


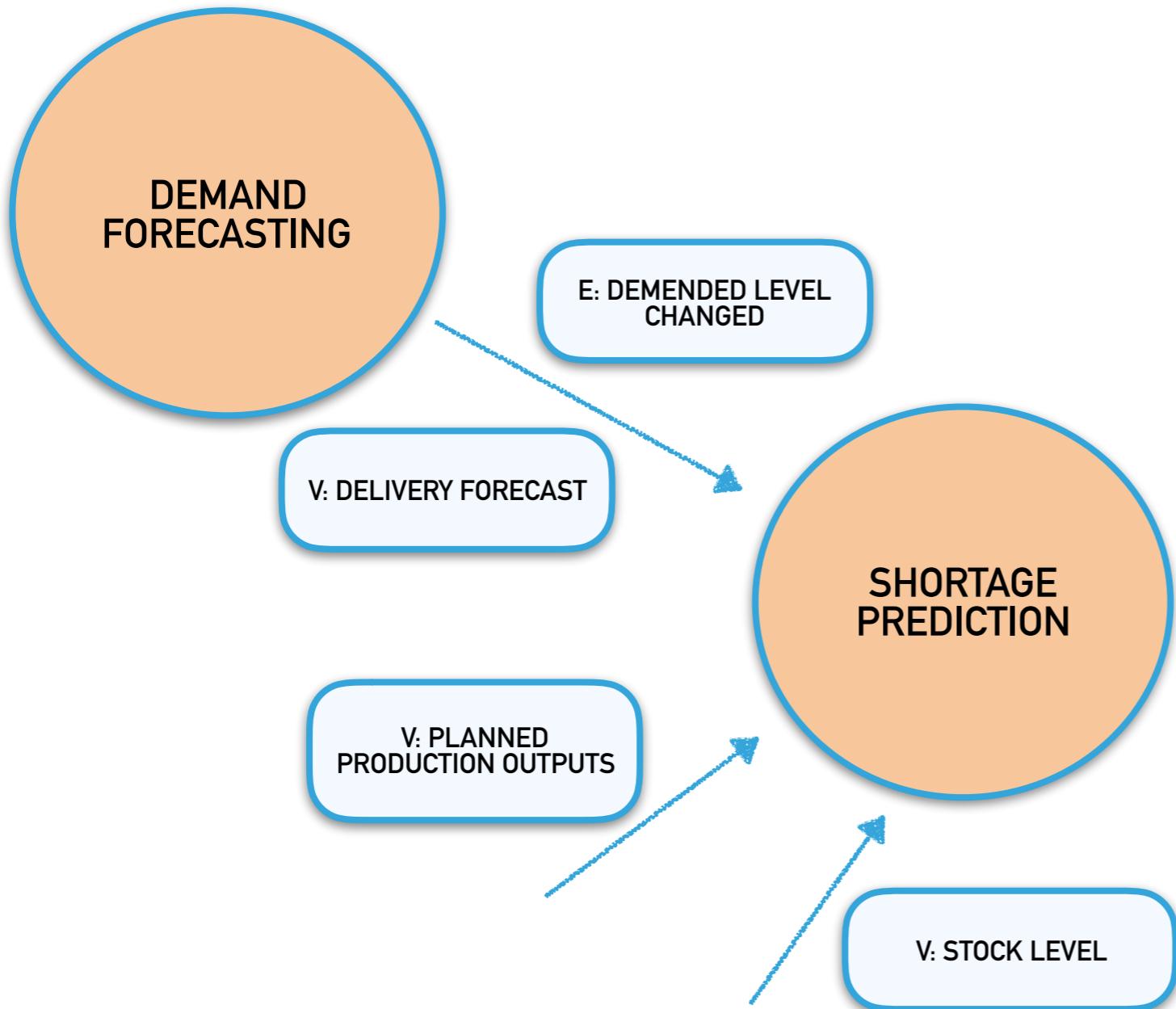
**DEMAND
FORECASTING**

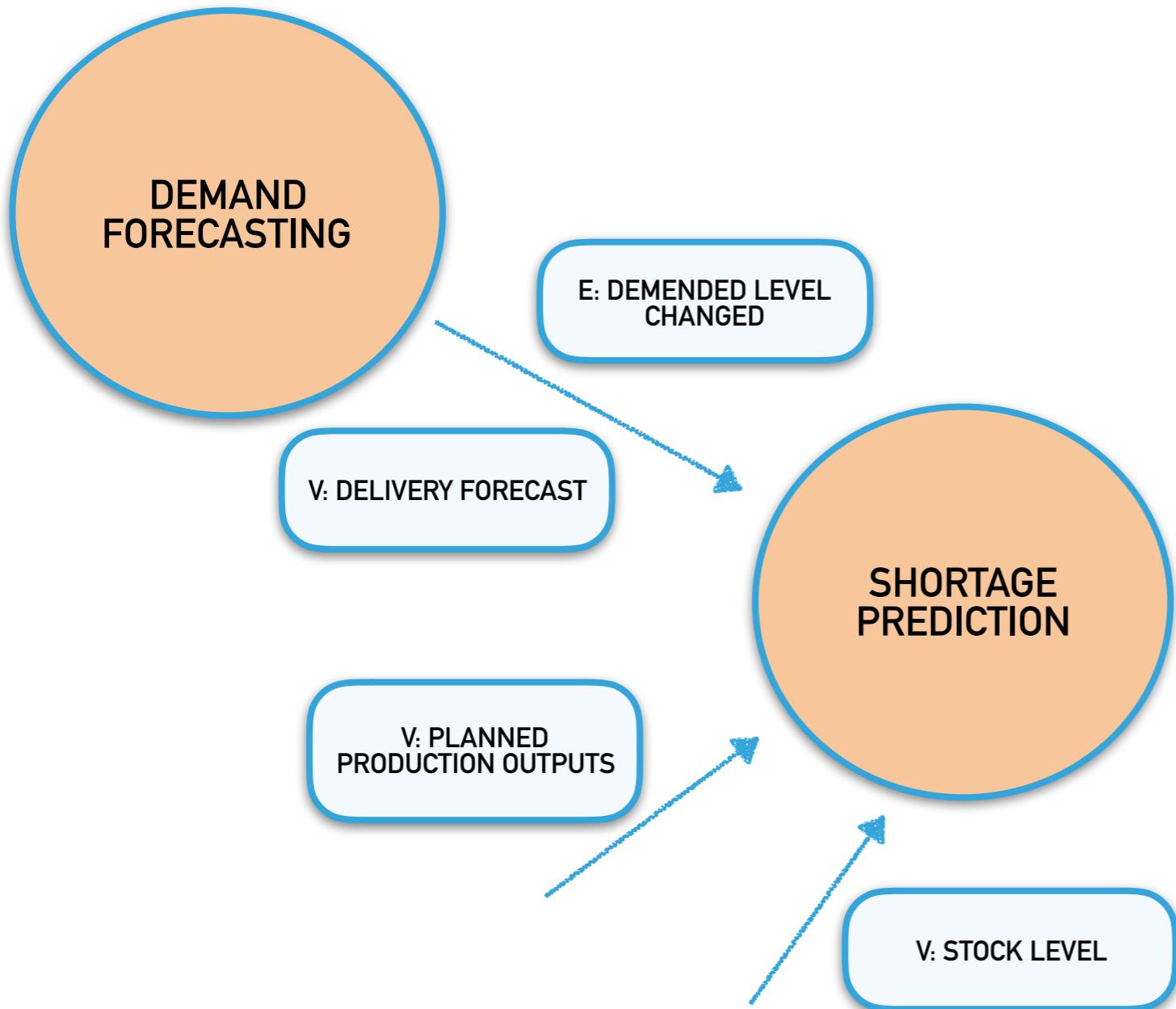
**SHORTAGE
PREDICTION**

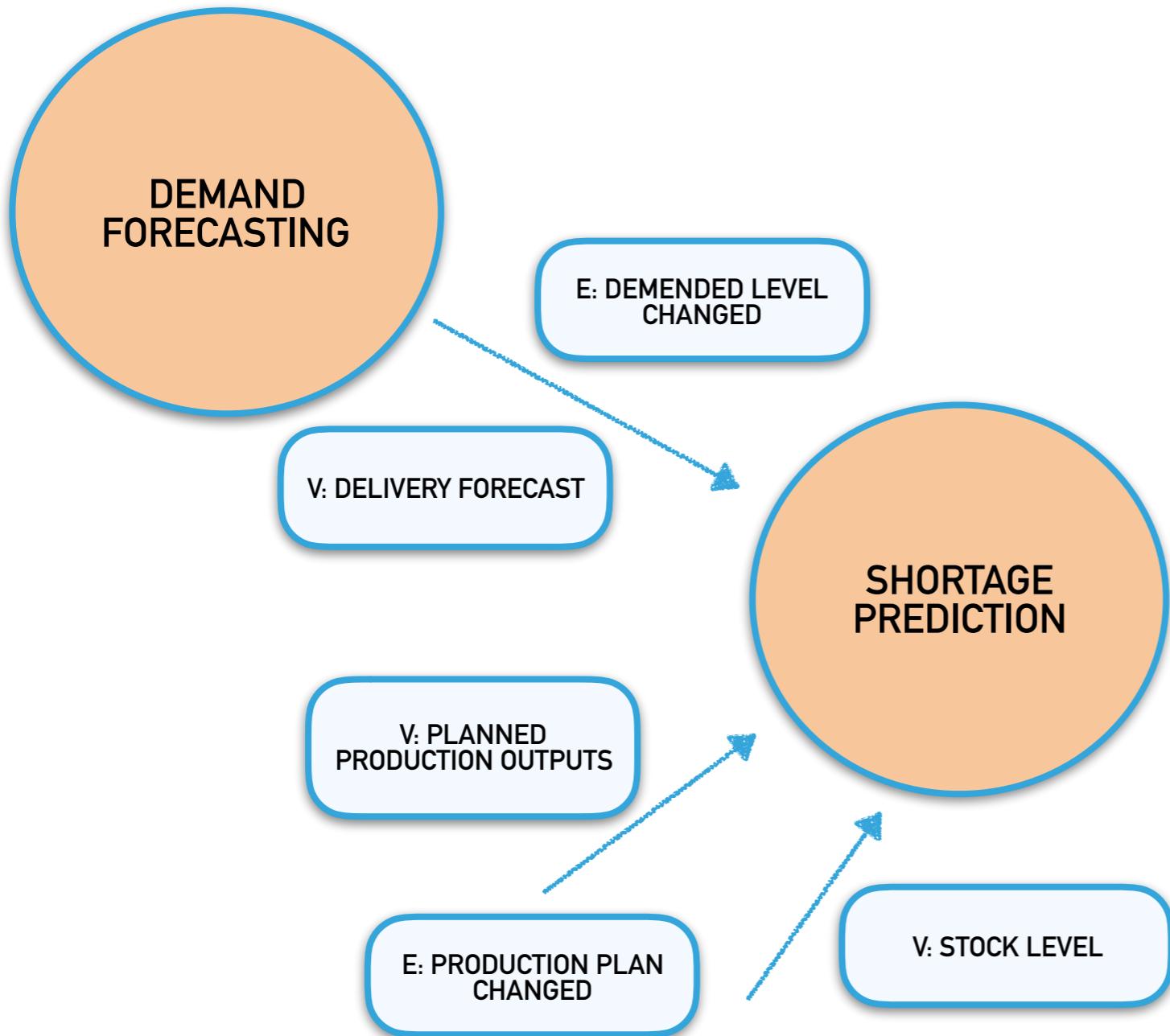


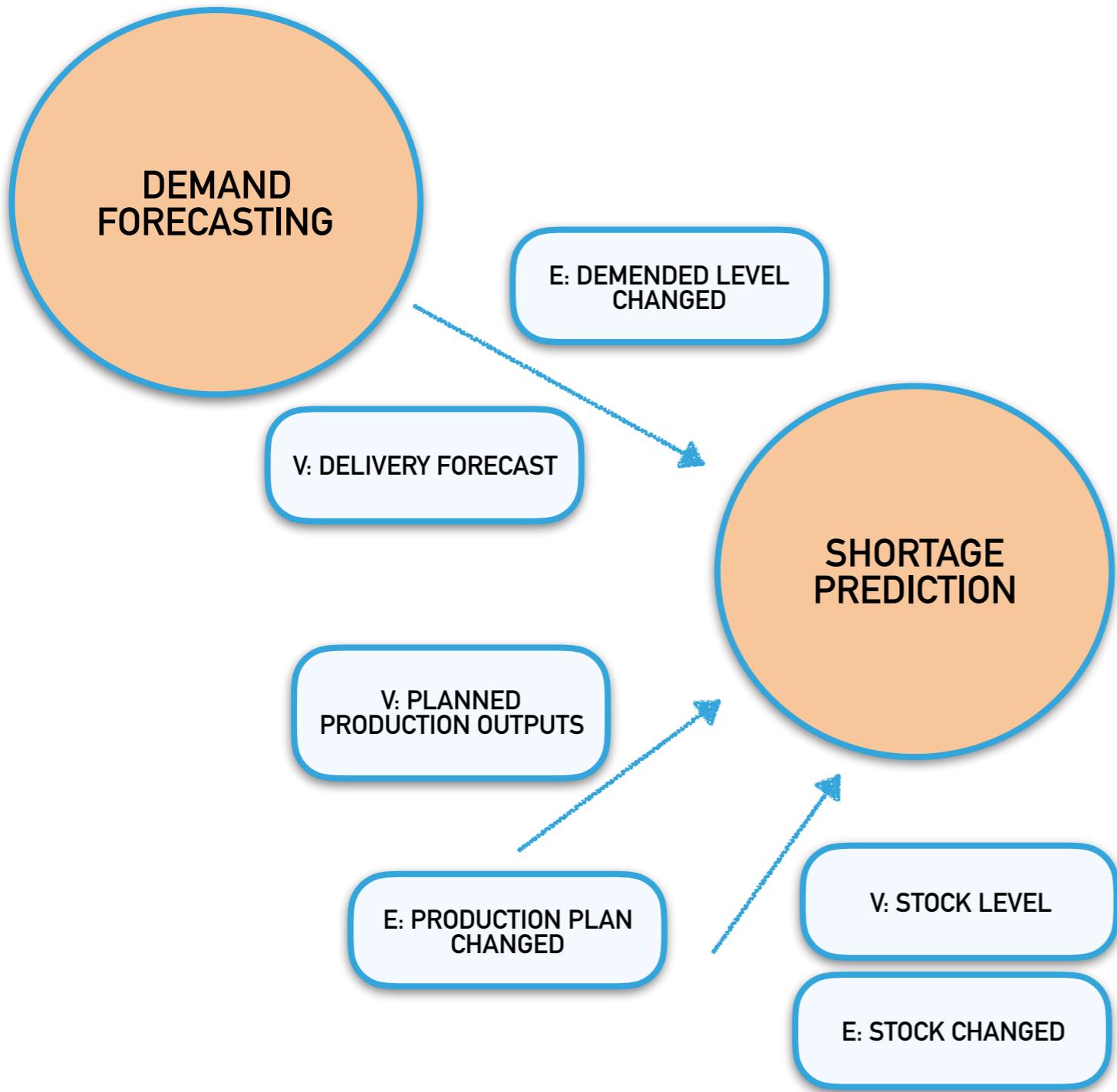


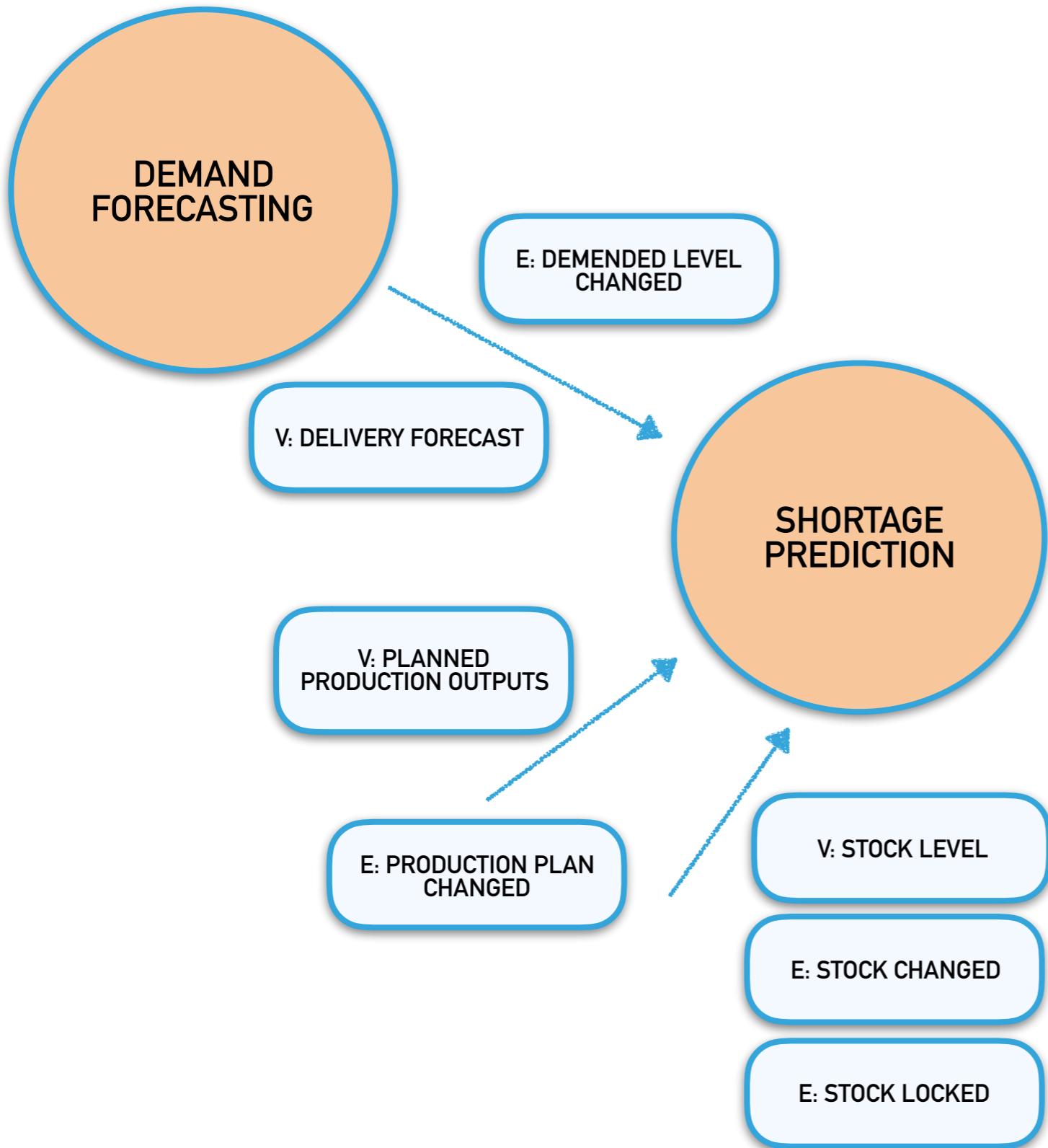


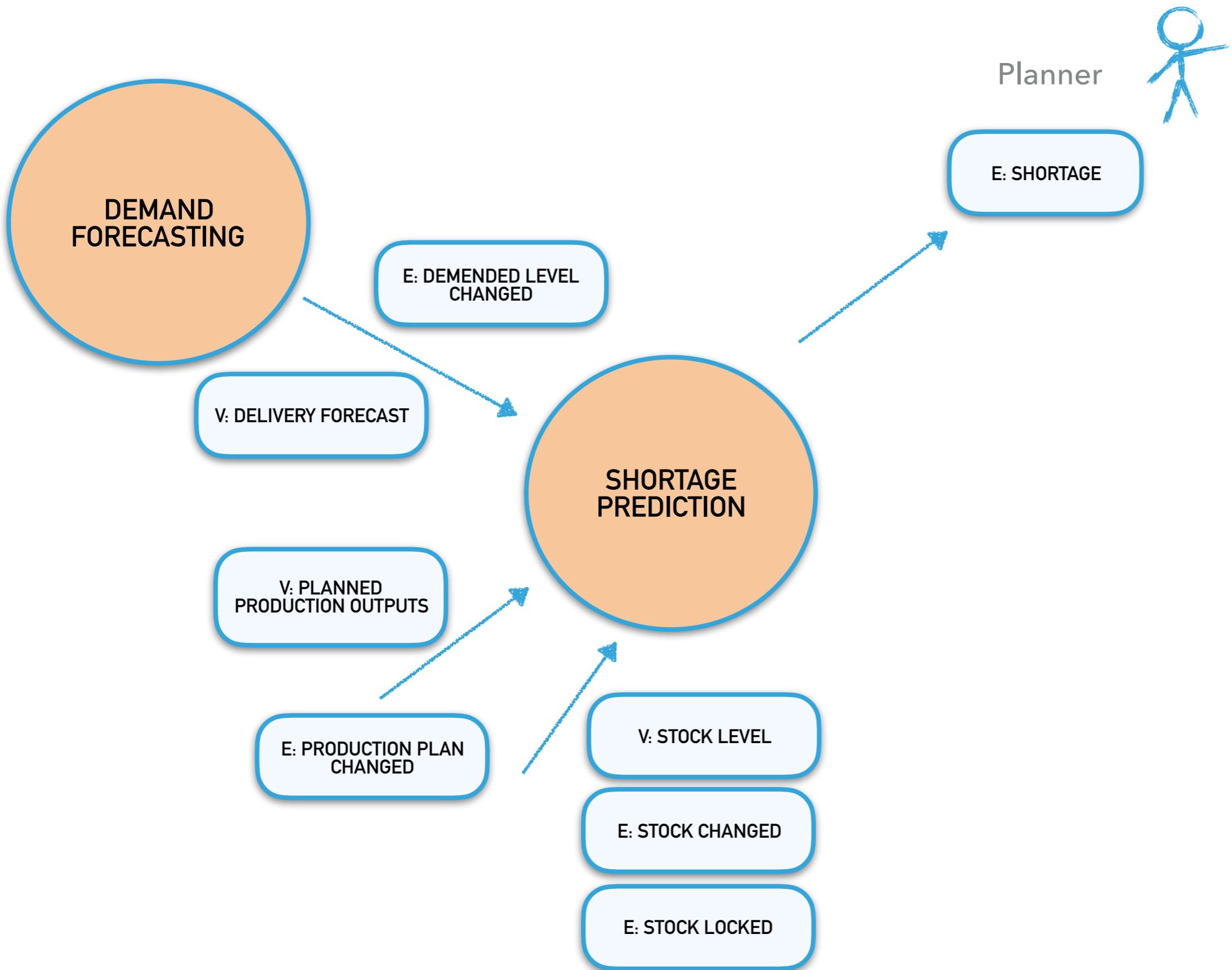


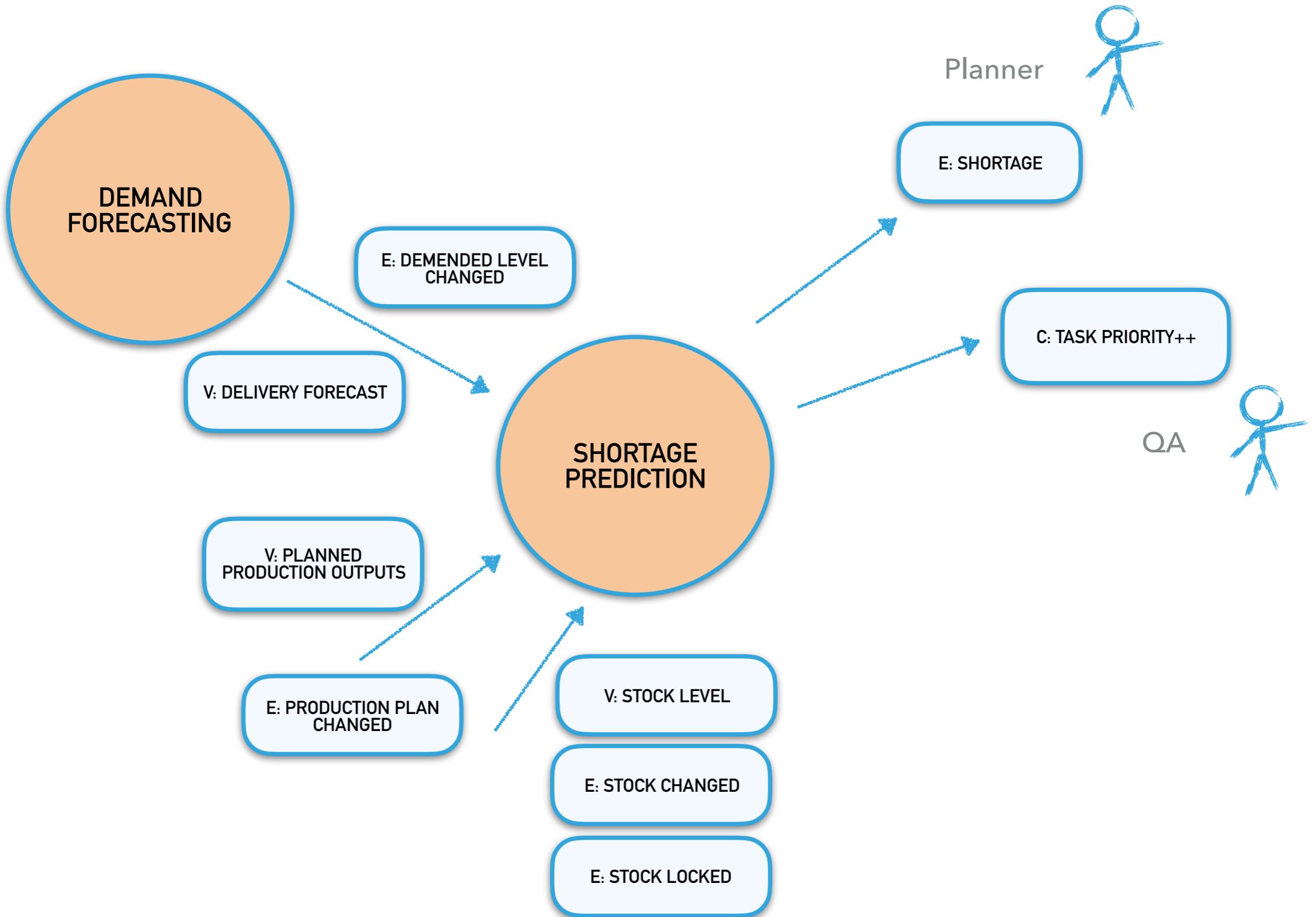


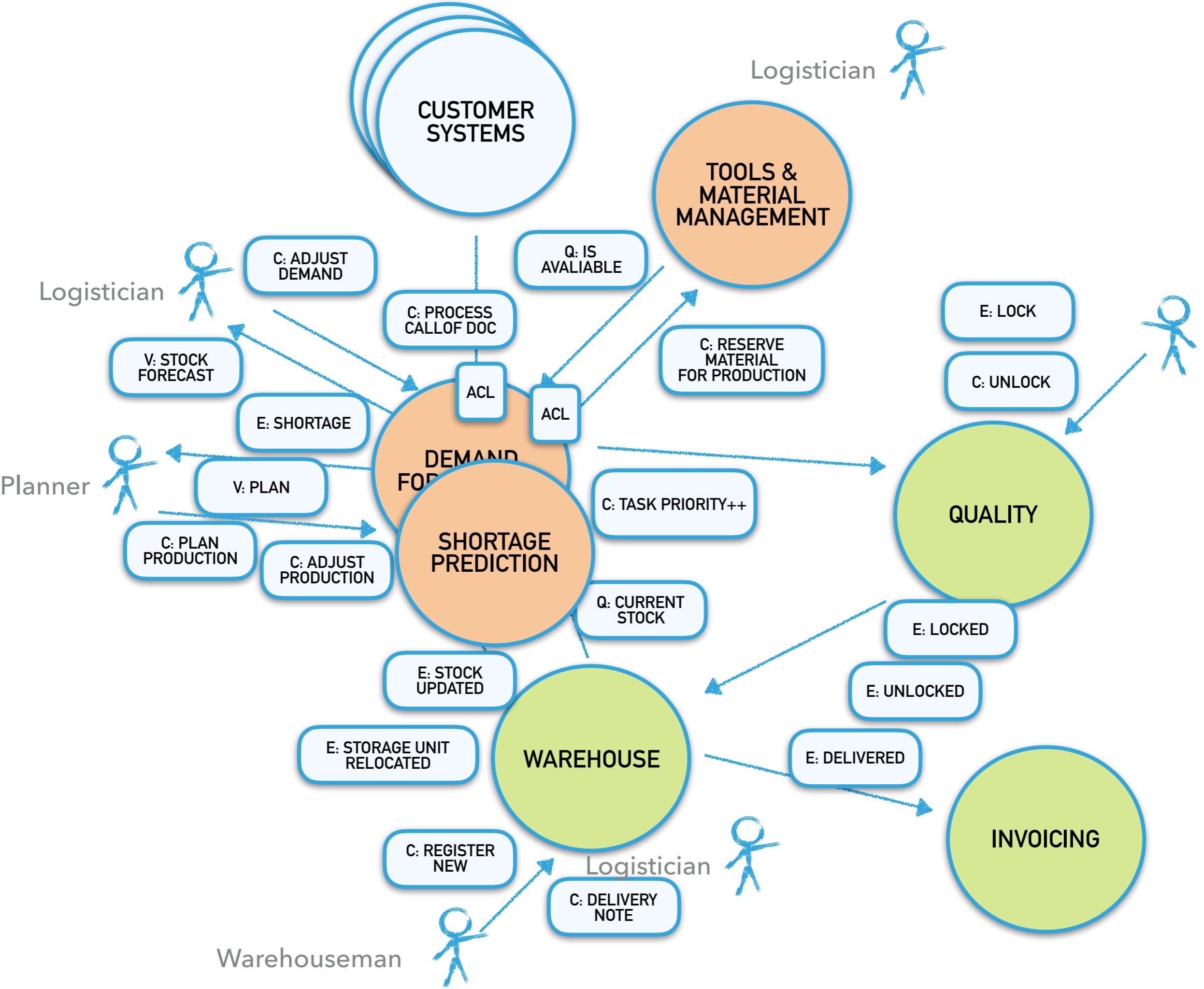












CUSTOMER SYSTEM

CHANGES

CREATE DOCUMENT
CREATE DOCUMENT

HELP THE LOGISTICS WITH HIGH AMOUNT OF DATA IN CALL OFF DOCUMENTS

DOCUMENTS TO REVIEW

APPLY REVIEW DECISION

PRODUCT DEMAND

REVIEW REQUESTED

0 FT
NOMINALLY

STOCK FORECAST

IMPROVE SITUATIONAL AWARENESS DURING DEMAND NEGOTIATION

ADJUST DEMAND

DAILY DEMAND
DAILY STORY AND INTEGRITY:
• BUSINESS PARTNER DEMANDS FOR TODAY AND FUTURE.
• NEW DEMANDS ARE STORED FOR FURTHER RESPONSE.
• DEMAND ADJUSTMENT?
• SHOULD ANY EXISTING DOCUMENT DEMANDS BE ADJUSTED TO PENDING CHANGES?
• IF THERE IS NO DEMAND, A NEW DEMAND CAN BE MADE.
• DOCUMENT MODIFIED ADJUSTMENTS BY UPDATING NEW VS ADJUSTMENT IS WORKFLOW.
• NEW EXISTING DOCUMENT ADDED, READING ADJUSTMENT REQUIRED.

CURRENT DEMANDS

SHOR TAGE PREDICTION PROCESS

DEMANDED LEVELS CHANGED

DELIVERY AUTO PLANNER

DELIVERY FORECAST

DELIVERY PLANNER DEFINITION CHANGED

PRODUCT DESCRIPTION CHANGED

UPDATE PRODUCT DESCRIPTION

PRODUCT DESCRIPTION

NO FANCY BUSINESS RULES
DEFINITION ON OUR SIDE
WITHIN - OUR CUSTOMER SIDE
IDEAS FROM OUR

UPDATE DELIVERY PLANNER DEFINITION

DELIVERY PLANNER DEFINITION

NO FANCY BUSINESS RULES
KNOWN DELIVERY TIMES FOR TYPICAL DELIVERY METHODS
OF PRODUCT

CUSTOMER SYSTEM

CHARTICLEY

CALL OFF
DOCUMENT
CREATED

HELP
THE LOGISTICS
WITH HIGH AMOUNT
OF DATA IN CALL OFF
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DAILY
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PROMISES
AND INTEGRITY:
EVEN THOUGH THE DEMANDS
ARE TODAY AND TOMORROW,
EVEN DEMANDS ARE USED
FOR FURTHER REASONING.
DEMAND ADJUSTMENT?
SHOULD ANY EXISTING DOCUMENTS
DEMANDS
BE ADJUSTED TO PAST DEMANDS?
IF THERE IS NO DEMAND DOCUMENT,
A NEW DEMAND DOCUMENT
DEMAND MODIFIED REQUIREMENTS
BY ITS OWNERSHIP
ADJUSTMENT IS POSSIBLE.
NO EXISTING DOCUMENTS

DELIVERY
AUTO PLANNER

DELIVERY
FORECAST

PRODUCT
DESCRIPTION
CHANGED

DELIVERY
PLANNER
DEFINITION
CHANGED

UPDATE
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NO FANCY
BUSINESS
RULES?

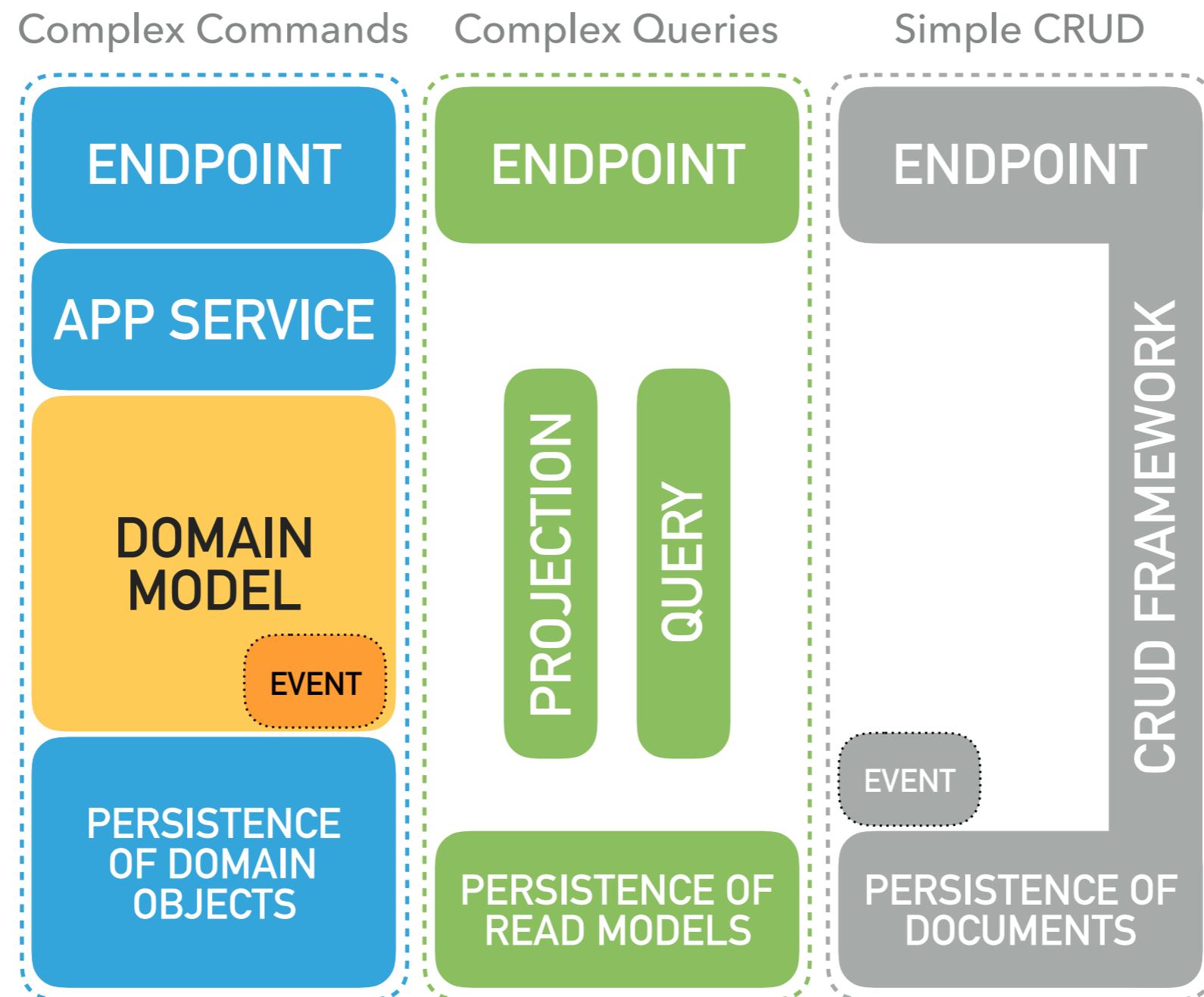
UPDATE IN OUR SIDE
BITING - DOCUMENTS SIDE

UPDATE
DELIVERY
PLANNER
DEFINITION

DELIVERY
PLANNER
DEFINITION

NO FANCY
BUSINESS
RULES?
KNOWN DELIVERY TIMES
& TYPICAL DELIVERY SITES

COMMAND QUERY CRUD RESPONSIBILITY SEGREGATION



CUSTOMER SYSTEM

CHANGES

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DOCUMENT
CREATED

HELP
THE LOGISTICS
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• FUTURE DEMANDS ARE USED
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• DEMAND ADJUSTMENTS
SHOULD NOT OVERLIE DOCUMENTED
DEMANDS.
• ADJUSTMENT IS POSSIBLE ONLY
IF THERE IS NO DELIVERY DATE.
• UNPUBLISHED DATE PERIODS
DOCUMENT MODIFIED ADJUSTMENTS
BY UP TO ONE DAY.
ADJUSTMENT IS NORMALLY 2-
4 DOCUMENTS.

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UPDATE
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DESCRIPTION

PRODUCT
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NO FANCY
BUSINESS
RULES?

IDENTIFIED BY
DEMAND IN OUR SIDE
AND NO - TO CUSTOMER SIDE

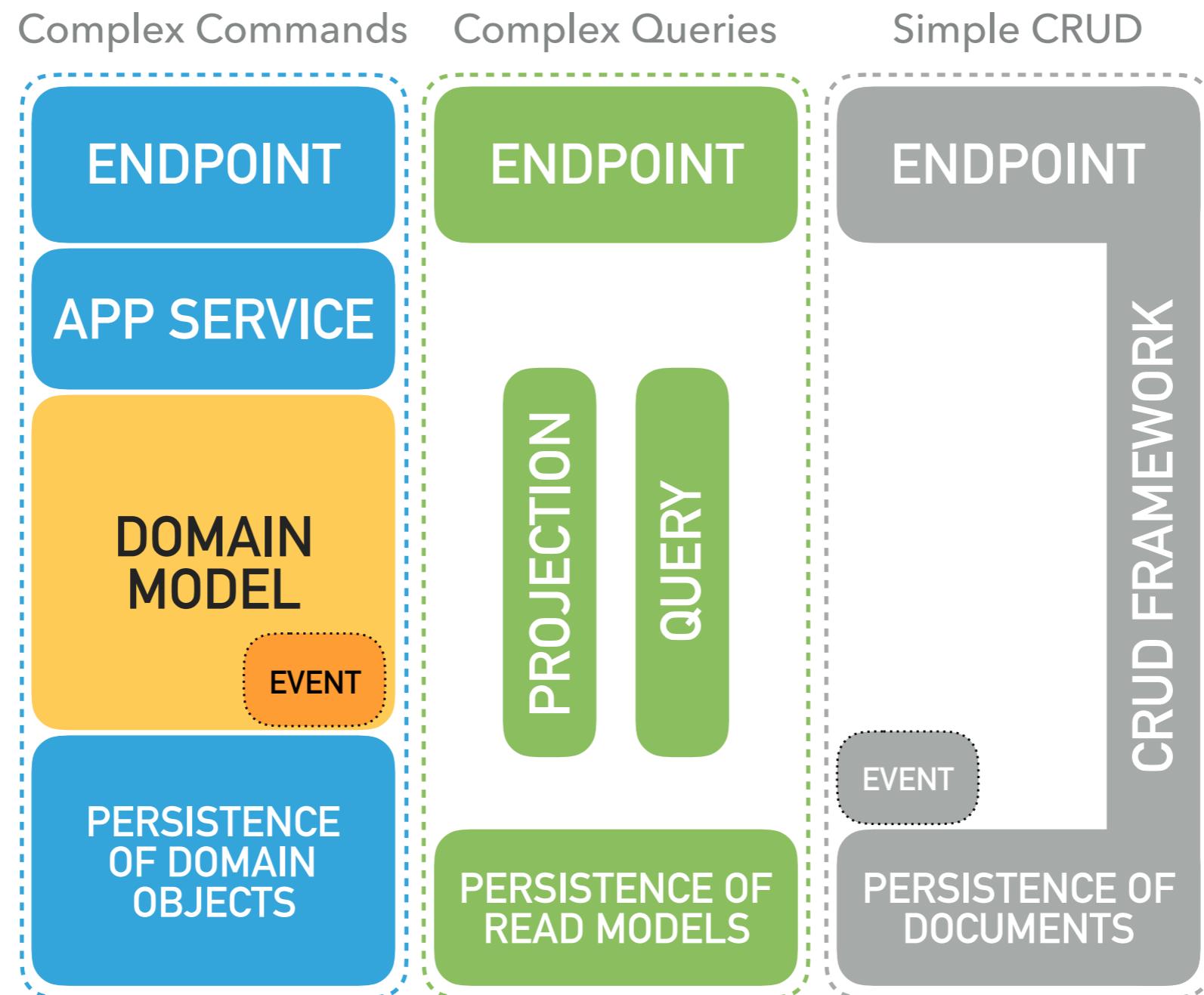
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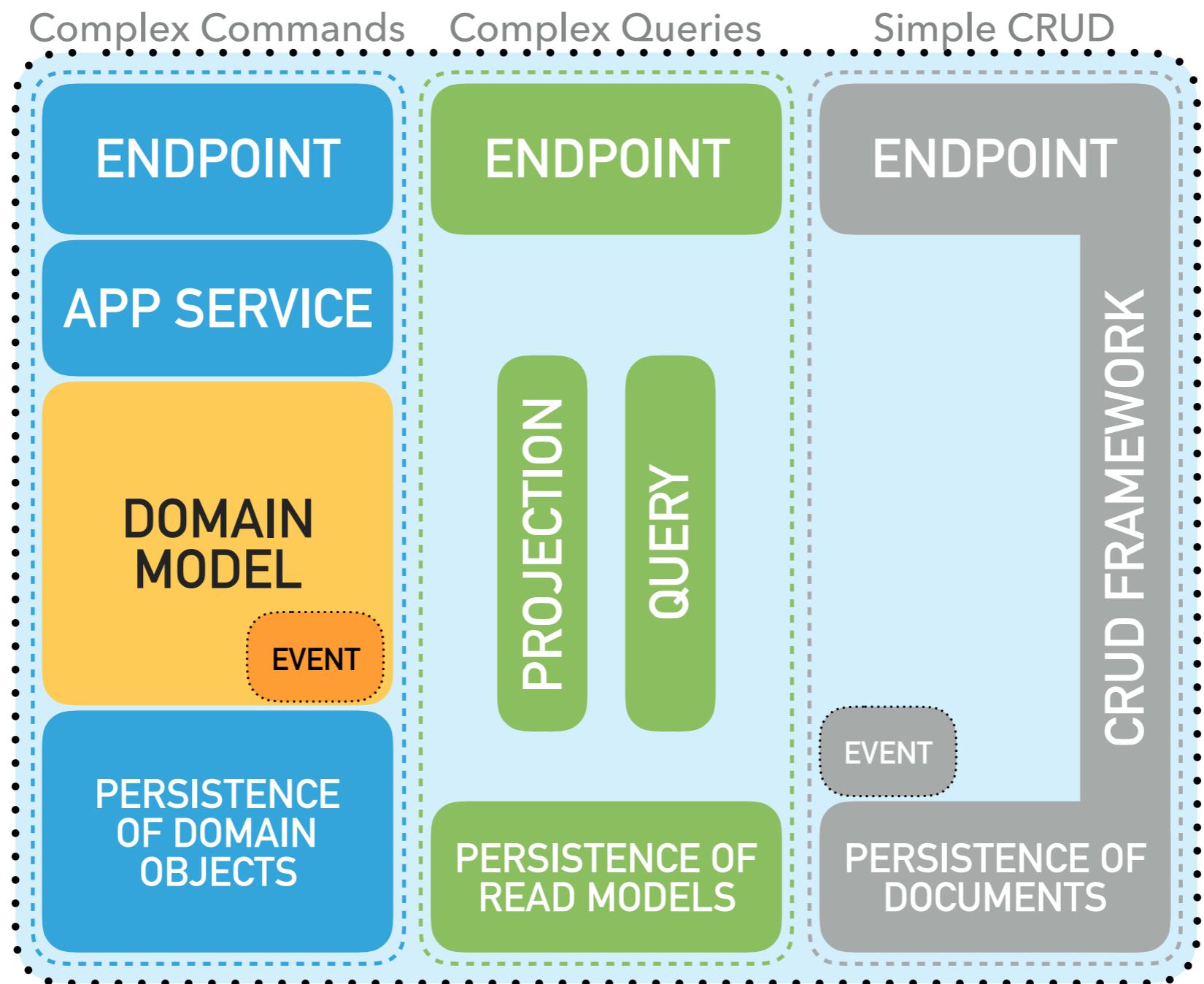
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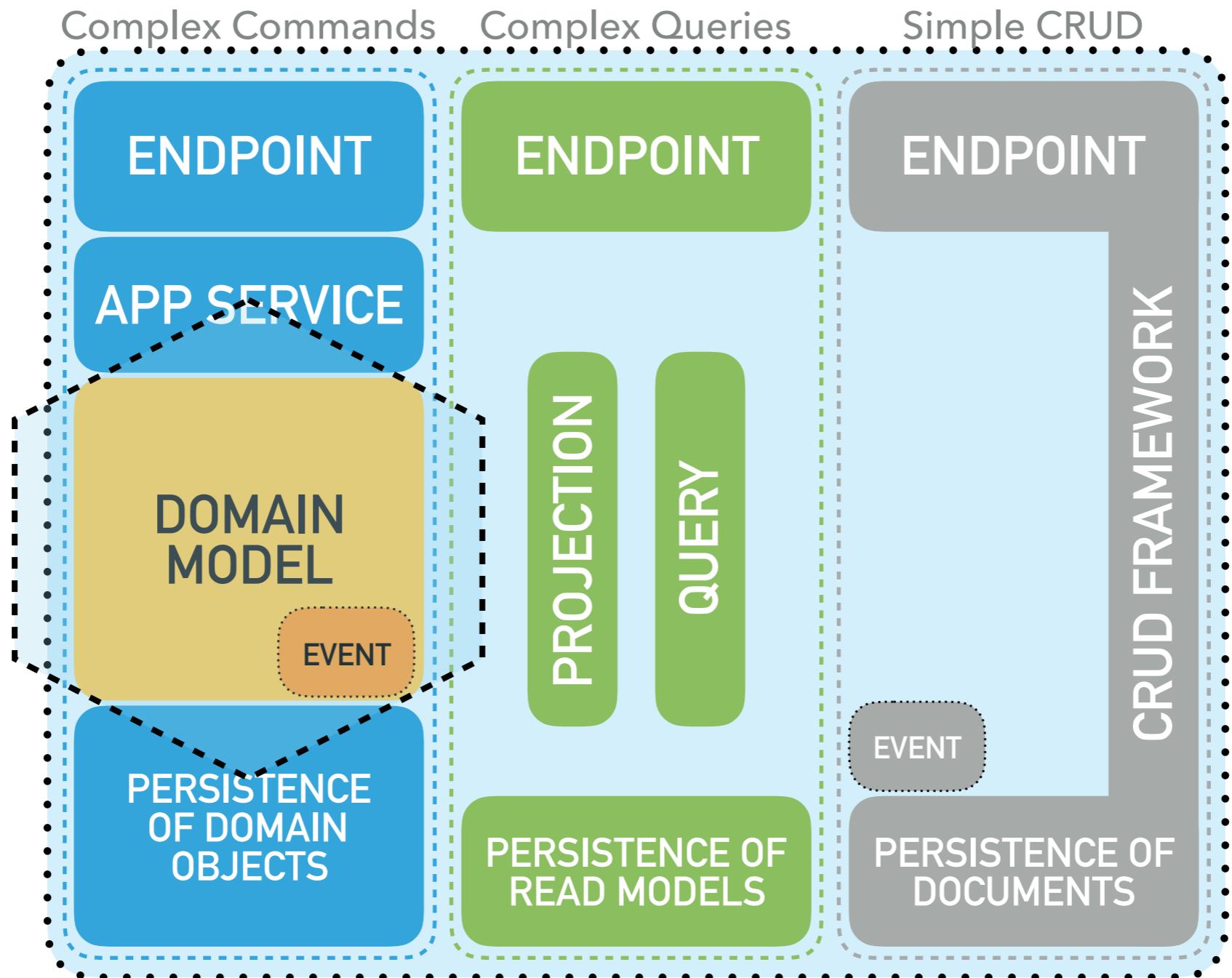
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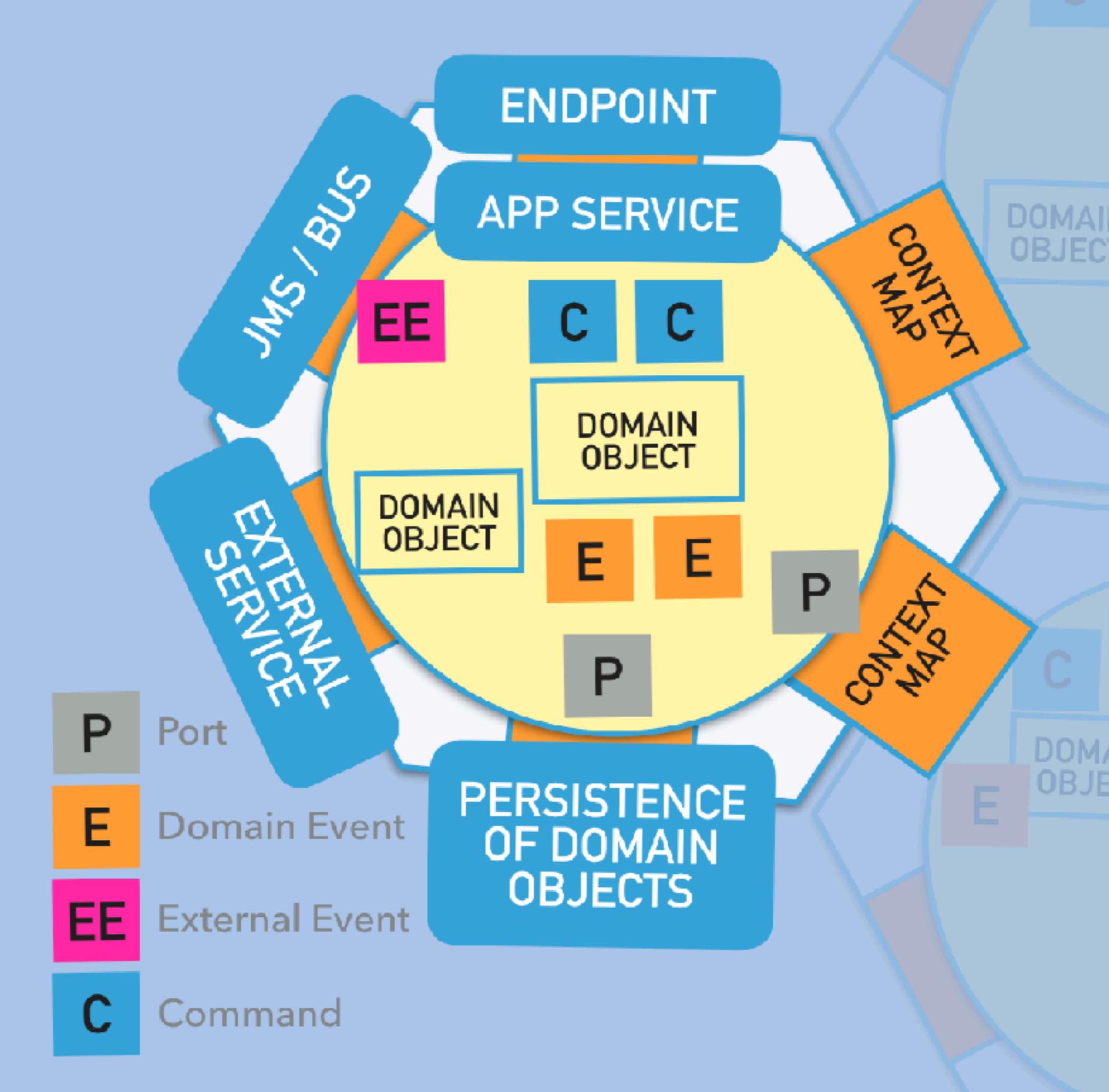


COMMAND QUERY CRUD RESPONSIBILITY SEGREGATION



COMMAND QUERY CRUD RESPONSIBILITY SEGREGATION





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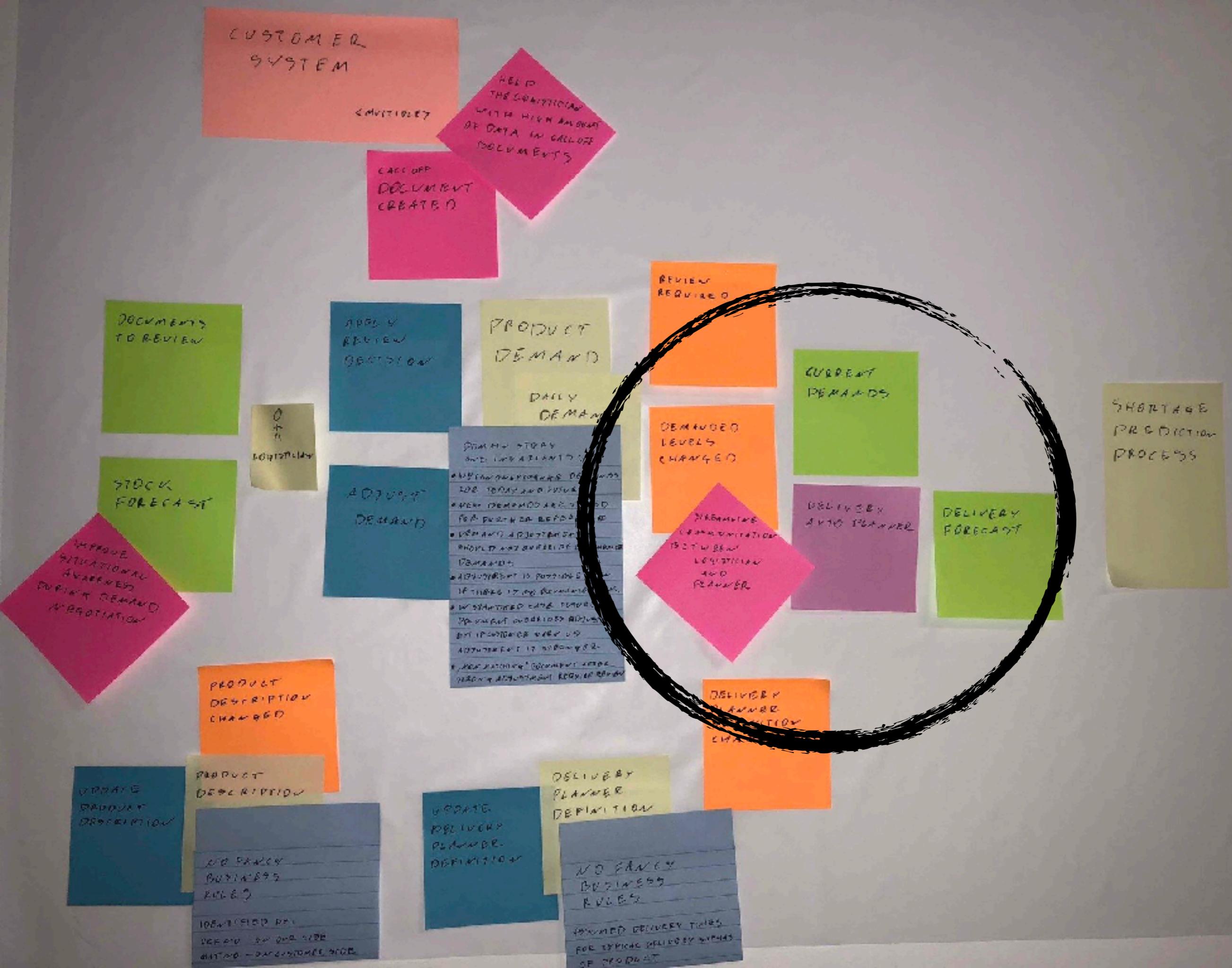
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Thank you!