

Agenda

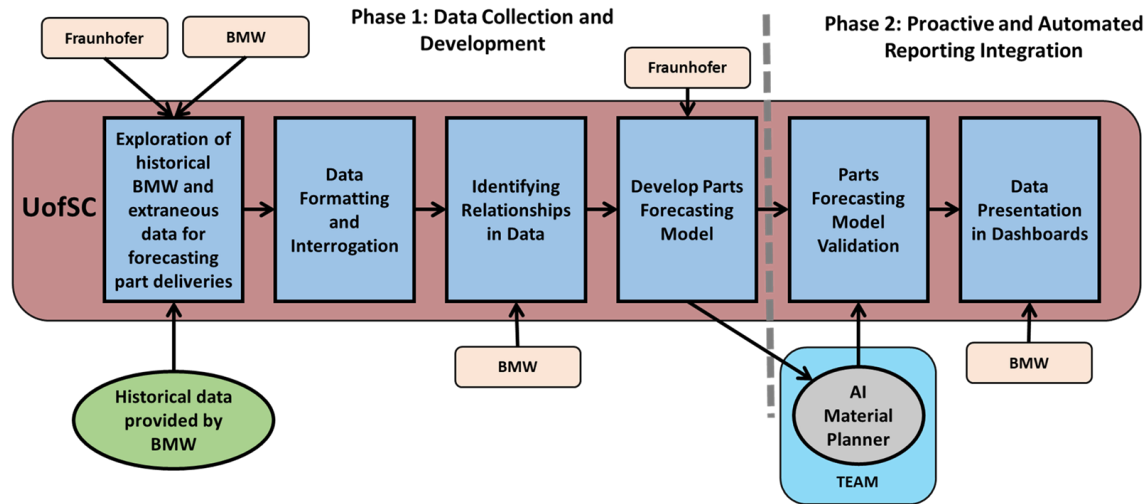
- 1. Announcements and Review of Action Items (5 min)**
- 2. UofSC Update (10 min)**
- 3. Fraunhofer Update (5 min)**
- 4. BMW Update / Next Steps(10 min)**
 - 1. Interviews**

Review Action Items

Topic	Responsible	Due Date	Comment
Create rulesets for Interviews	Fraunhofer		
Prepare Questions for Interviews	All		
Finalize Interview logistics	Leads		
Send Entity Relationship Diagram Feedback	All		
Send Dashboard Feedback	All		

UofSC Team - Status Update for 08/23/2021

UofSC Roadmap



Current Task: Data Exploration

- Understand headers (*in progress*)
- Get information on quality, ordering times, transportation, etc. (*in progress*)
- Identify poor areas/gaps in data
- Make timeline of orders
- Define states (early, tardy, too late)
- Calculate numbers for tangible and intangible criteria*
- Create supplier ranking
- Integrate findings into deliverable document

Deliverable: key figures from historical data, rich/poor areas, supplier ranking

Progress Made Last Week

- Continuing to review the Zgrve and 130 reports and working to understand the header definitions
 - Understanding relationships between datasets
 - Revised relationship diagram
- Multiple meetings to prepare for Interviews
- Reviewing Documentation files
- Continued work on Dashboard Mockups
- Drafted an initial conceptual design for feedback

Plans for this week

- Continuing to review the Zgrve and 130 reports and documentation
- Identify important fields for Material Planning
- Prepare for Interviews – identifying questions
- Create additional views/widgets for dashboard
- Prepare data dictionary to create database
- Improve relationship diagram and conceptual design

Interview Objectives

- Familiarize ourselves with the Planner's daily tasks and the processes used to assess risk and make decisions regarding material planning forecasting.
- Identify features that planners commonly use
- Develop a decision tree based on Planners' thought process
- Identify what capabilities would be helpful in a dashboard
- Identify logic of current SAP system

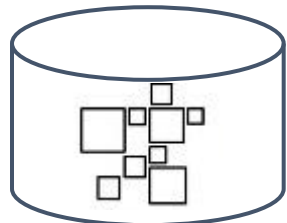
Updated Dashboard



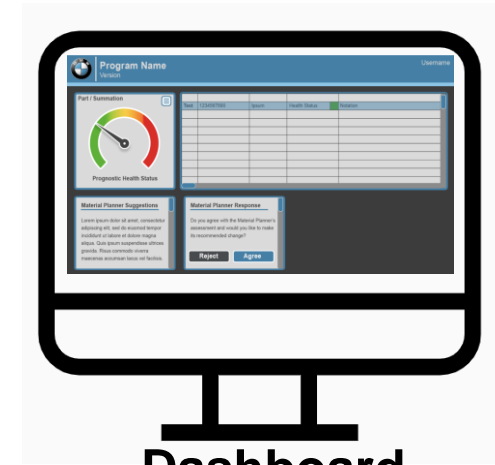
Updated Dashboard



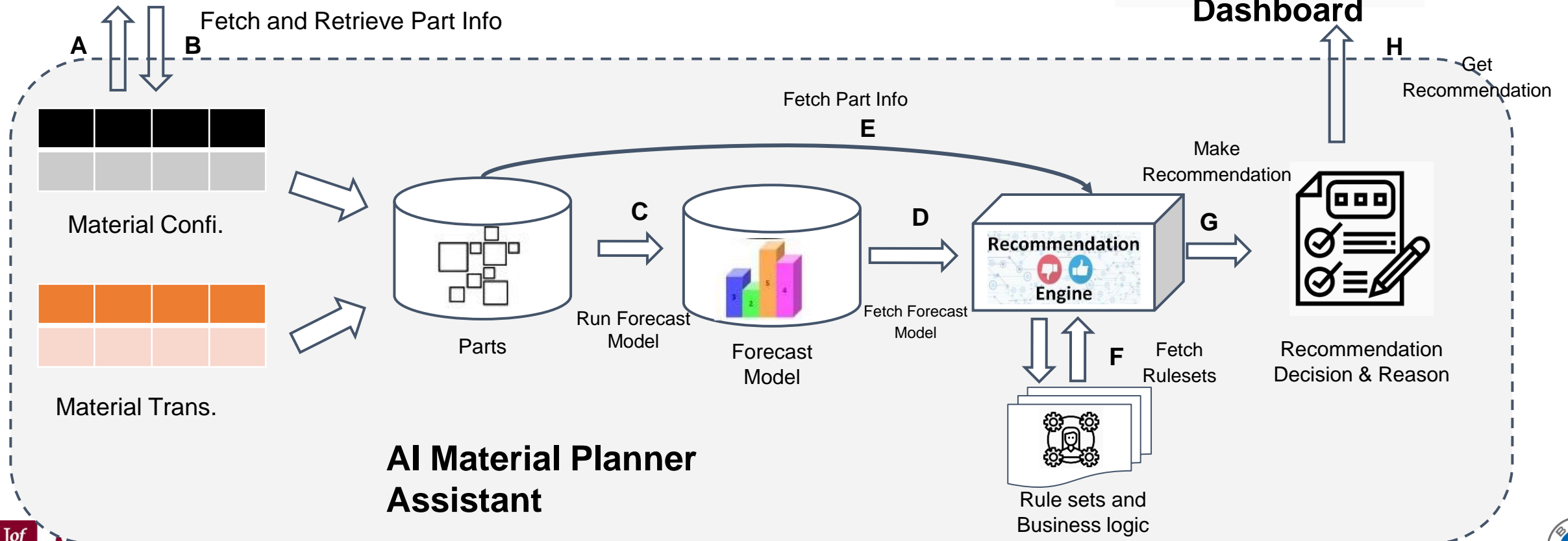
Conceptual Design



Parts DB



Dashboard



#	Action	Description
A	Fetch Part Info	Planning Assistant queries Parts Data Source for all part information.
B	Retrieve Part info	Planning Assistant Stores part information as a local data set.
C	Run Forecast Model	Planning Assistant feeds Part information to the forecast model.
D	Fetch Forecast Model	Recommendation engine retrieves current Forecast model variables.
E	Fetch Part Info	Recommendation engine retrieves part information.
F	Fetch Rulesets	Retrieve Rules and business logic from Rulesets DB
G	Make Recommendation	Recommendation engine generates recommendation.
H	Get Recommendation	Recommendation, Decision, and Reason is returned from Assistant.



Attributes changes frequently
(**Material Transactions**)

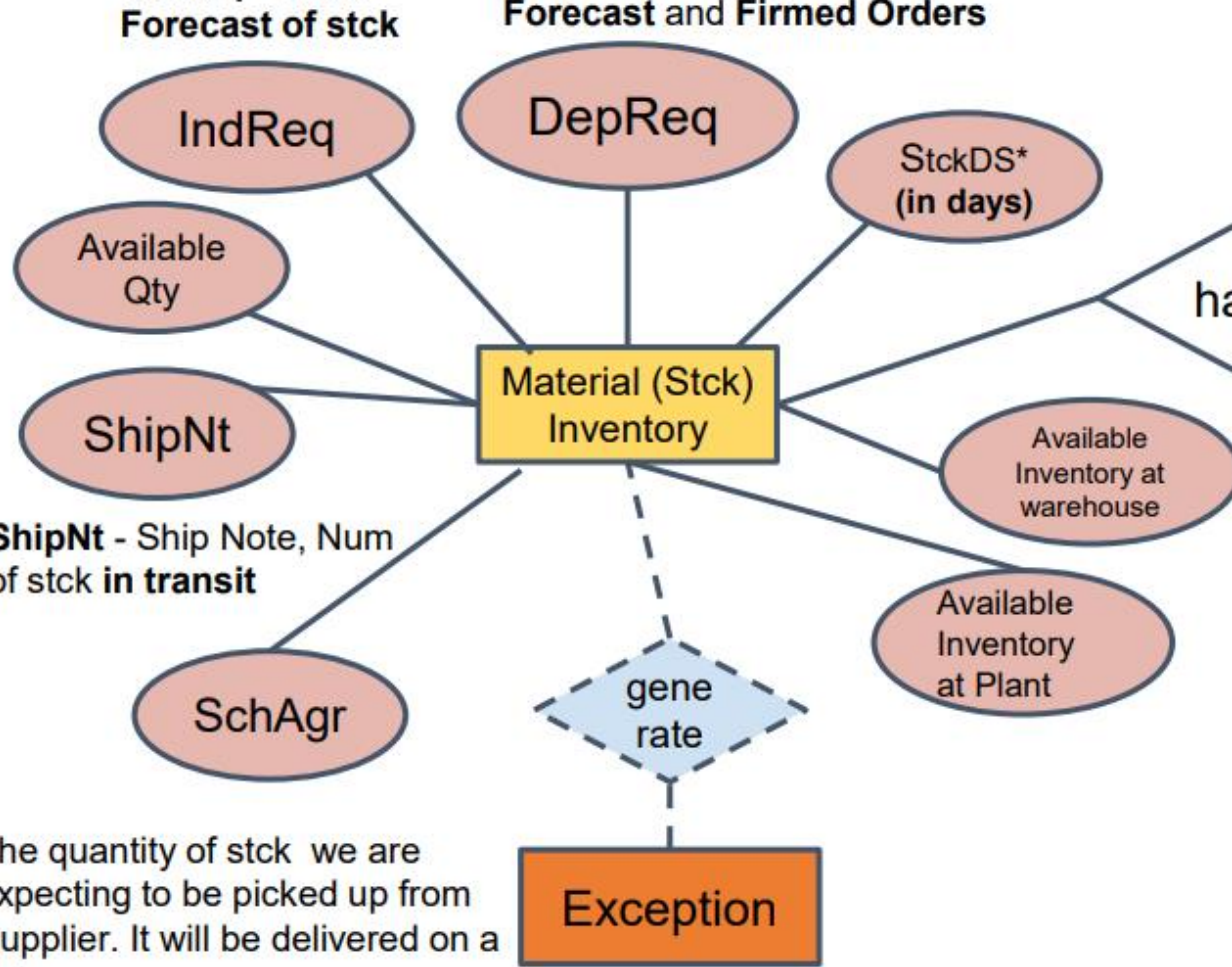


Attributes do not change frequently
(**Material Config./ Material Master**)

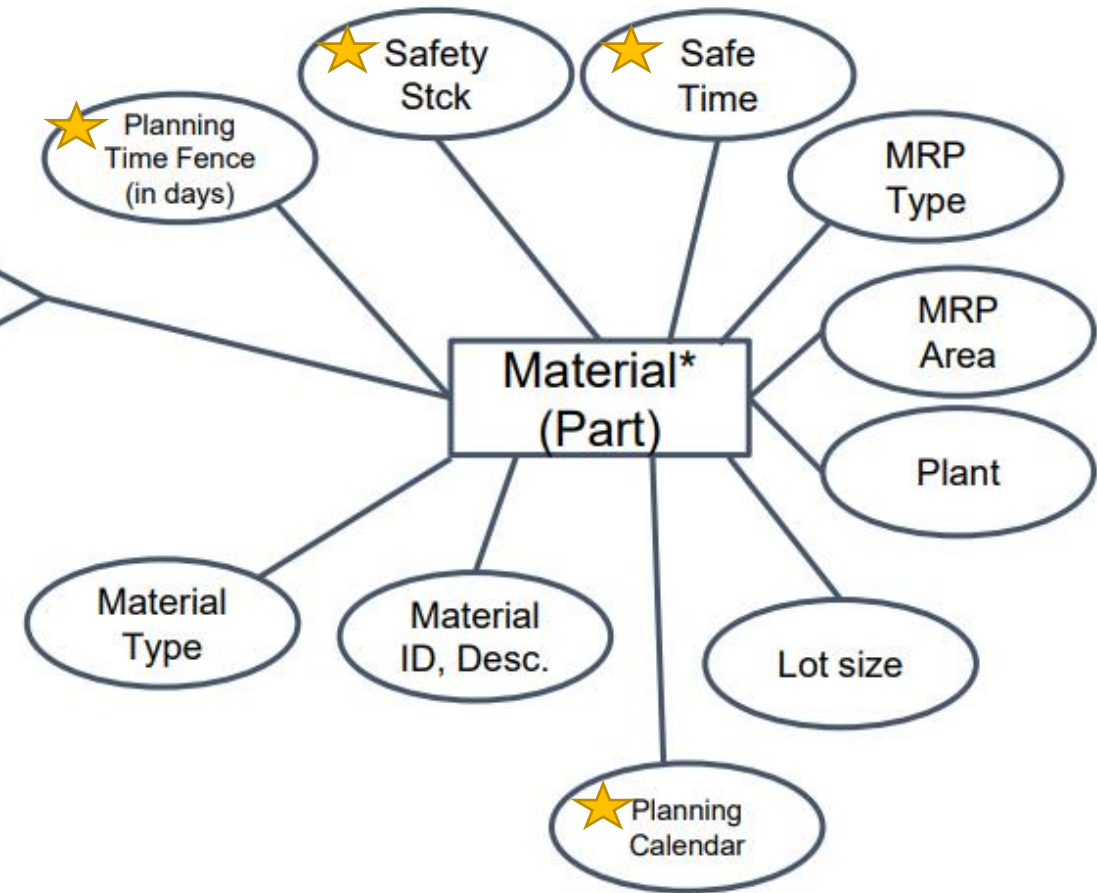
Items with star can change freq.
Recommendations on how to fix
these items.

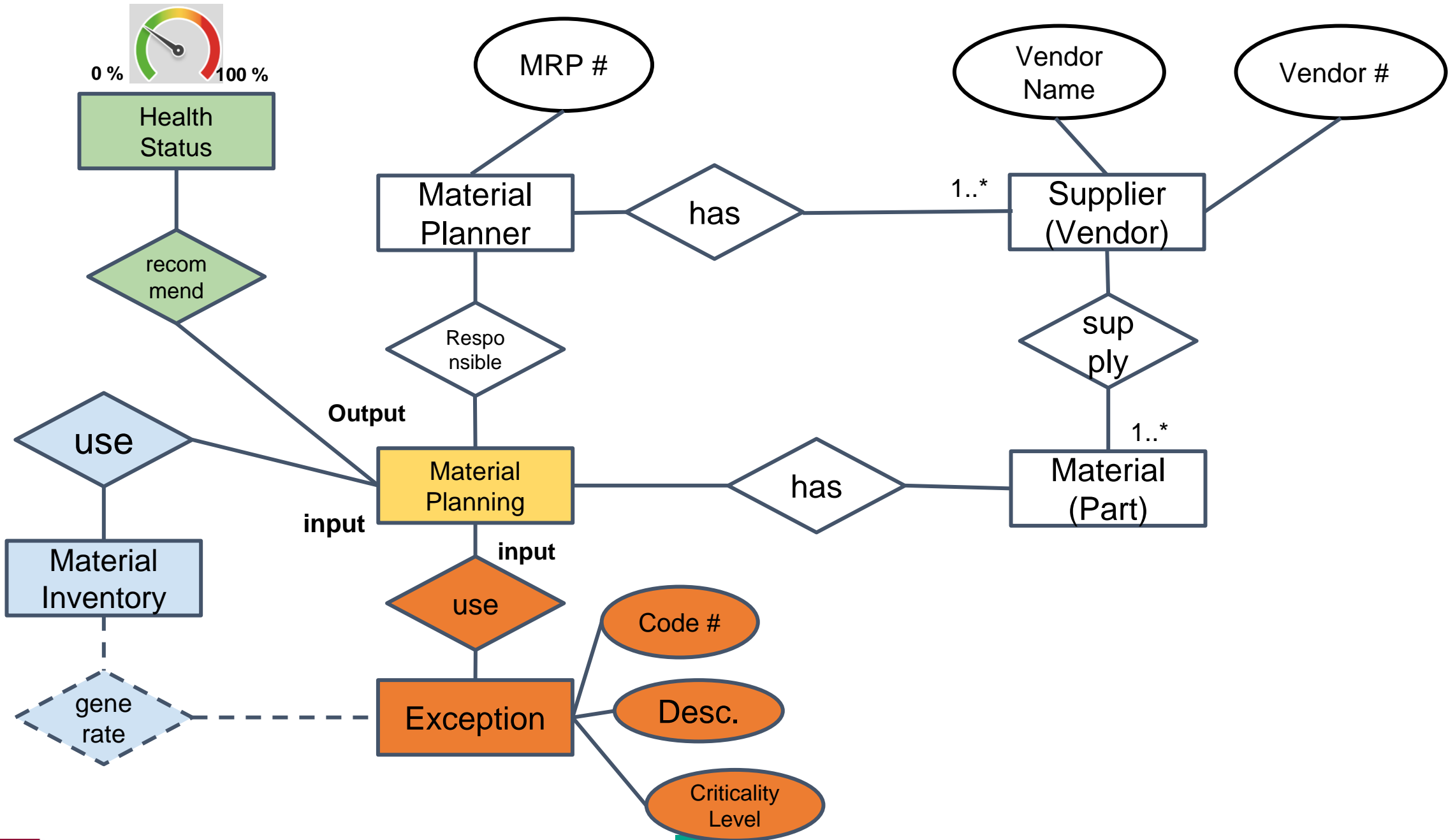
DepReq - Dependent Requirement,
Reqmt of Stck Qty, based on
Forecast and **Firmed Orders**

IndReq - Order
Forecast of stck



The quantity of stck we are
expecting to be picked up from
Supplier. It will be delivered on a
date.





MPA Weekly Update 08/23 - Fraunhofer

Summary of last week:

- Prepared an initial document on rule sets based on the Training and Interview sessions.

Plans for this week:

- Continue documenting the concepts/rules based on last week's discussion.
- Start validating the identified rules with the subject matter experts/interviewees.
- Contribute to ER mapping.
- Prepare/plan interviews.

Concerns/Comments:

- None

Next Steps

1. Finalize rulesets (top 6 exceptions)

- 1. Schedule meeting with Josh/Shawn**

2. Interview Questions

3. Interview Setup

- 1. By end of next week have scheduled**