

TEST
FRONT-END UI

ORDER MATERIALS

ORDER LIST ID

XXXX

BUILDING ID

XXXX

BUILDING NAME

XXXX

BUILDING ADDRESS

XXXX

ORDER DESCRIPTION

XXXX

REFERENCE DATA

orderListItemNrUID

ITEM NR.

MATERIAL ID

MAT. DESCRIPTION

CURRENT QTY

PREVIOUS QTY

QTY DIFF

Order Comment

+

-

x

XXXX

1

XXXX

XXXXX

8

10

-2

XXXX

x

XXXX

2

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

x

XXXX

3

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

(referred from MaterialEntity)

REMARKS

XXXX

PREP BY

XXXX

CHK BY

XXXX

APPROVED BY

XXXX

BUILDING ID

BUILDING NAME

DATE

XXXX

DATE

XXXX

DATE

XXXX

SEND FOR CHK

SEND FOR APP

APPROVE

DELETE

CANCEL

SAVE

MATERIAL ORDER MICRO SERVICE

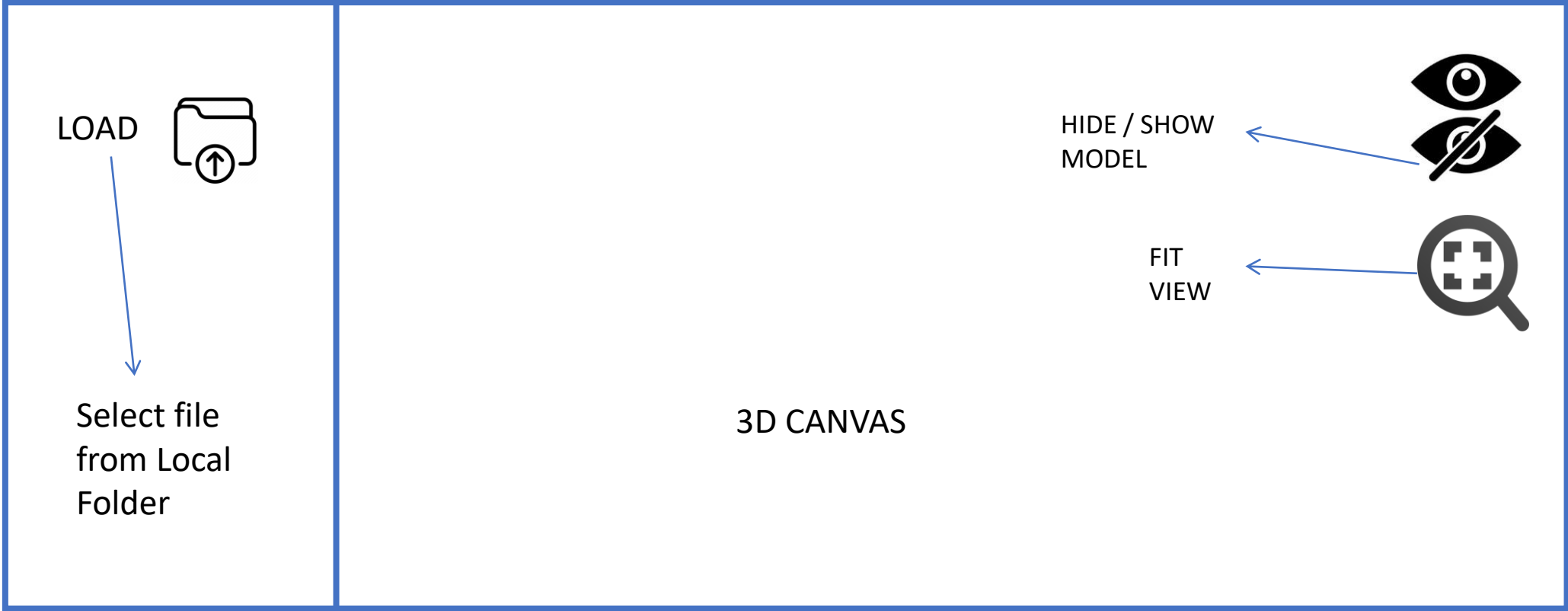
Entity:
OrderListEntity.java
OrderList_BuildingNrEntity

Repository:
OrderListRepo.java
OrderList_BuildingNrRepo

Controller:
MaterialController.java

- NOTES:
- 1. USE OWN DESIGN IDEAS
 - 2. USE DUMMY DATA FOR EXAMPLE
 - 3. The user shall be able to add / remove row on the yellow background area

3D CANVAS TEST



TIPS:

- 1. Understand canvas, engine, light, camera (arc rotate camera), mesh, material
- 2. Understand bounding box. (Fit bounding box inside camera)
- 3. Use Own Design / Color ideas interactions

Level of difficulty:

- Basic
- Moderate

3. Prepare a Excel parser to list all items reading this table and store the data in the table: Excel file attached

NOMINAL HEADER SIZE (in)																					
		48	42	36	30	24	20	18	16	14	12	10	8	6	4	3	2	1.5	1	0.75	0.5
N	0.5	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WRT	WRT	WRT	WT
O	0.75	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WRT	WRT	WRT	WT	
M.	1	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WRT	WRT	WT		
	1.5	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WRT	WRT	WRT	WT			
B	2	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WRT	WRT	WT				
R	3	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WRT	WRT	WT					
A	4	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WRT	WRT	WRT	WT						
N	6	WOL	WOL	WOL	WOL	WOL	WOL	WOL	WRT	WRT	WRT	WRT	WRT	WT							
C	8	WOL	WOL	WOL	WOL	WOL	WRT	WRT	WRT	WRT	WRT	WRT	WT								
H	10	WOL	WOL	WOL	WRT	WRT	WRT	WRT	WRT	WRT	WRT	WT									
	12	WOL	WOL	WOL	WRT	WRT	WRT	WRT	WRT	WRT	WRT	WT									
S	14	WOL	WOL	WOL	WRT	WRT	WRT	WRT	WRT	WT											
I	16	TR	WRT	WRT	WRT	WRT	WRT	WRT	WT												
Z	18	TR	WRT	WRT	WRT	WRT	WRT	WT													
E	20	TR	WRT	WRT	WRT	WRT	WT														
(in)	24	WRT	WRT	WRT	WRT	WT															
	30	WRT	WRT	WRT	WT																
	36	WRT	WRT	WT																	
	42	WRT	WT																		
	48	WT																			

ITEM BRACH TABLE		SPEC MATERIAL
TOL		THREDOLET
WOL		WELDOLET
WT		STRAIGHT TEE
WRT		REDUCING TEE
TR		REDUCING TEE
WOF		REINFORCED NIPOFLANGE

ITEM TYPE	FROM	TO	GEOMETRIC STANDARD	EDS/VDS	END CONN1	END CONN2	MATERIAL DESCR.	MDS	RATING	SCHD.	NOTES
STRAIGHT TEE		0.5	24ASME B16.11	NGZ1	FT	FT	A105		3000 LBS		
STRAIGHT TEE		3	24ASME B16.9		BE	BE	A234 WPB	C01			
REDUCING TEE		0.5	24ASME B16.11	NGZ1	FT	FT	A105		3000 LBS		
REDUCING TEE		3	24ASME B16.9		BE	BE	A234 WPB	C01			
THREDOLET		2	24NORSOK EDS	NOL1	BE	FT	A105	C01	3000 LBS		
WELDOLET		3	24NORSOK EDS	NOL1	BE	BE	A105	C01			
REINFORCED NIPOFLANGE		3	24NORSOK EDS	NOL1	BE	RF	A105	C01			

DATA OUTPUT EXAMPLE:

DATA OUTPUT EXAMPLE:

Size1	Size2	Item Type	Geometric Standard	EDS_VDS	MDS
48	0.5	weldolet	NORSOK EDS	NOL1		C01
48	0.75	weldolet	NORSOK EDS	NOL1		C01
...						
..						
48	36	REDUCING TEE	ASME B16.9			C01

TIPS:
1. Understand the parsing data from excel (use library)
Level of difficulty: Moderate