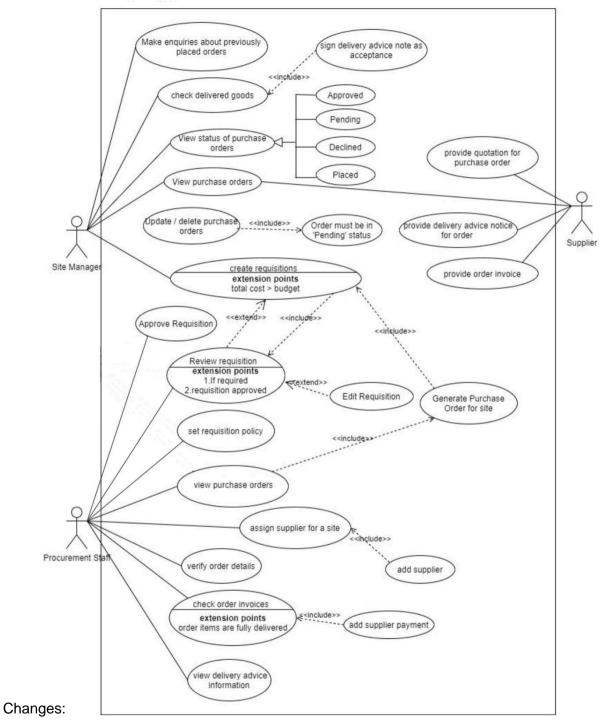
Procurement Construction Industry By 2021S2_REG_WE_09

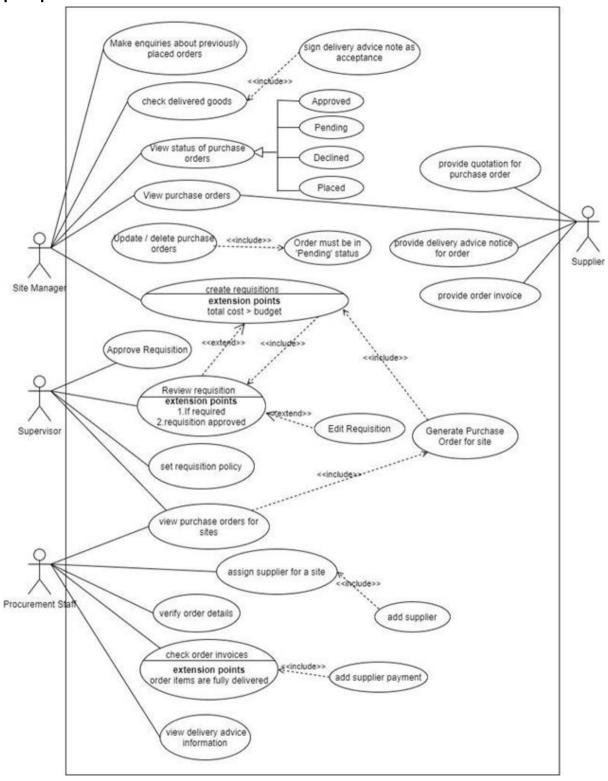
Use Case Diagram

Reflected:



- The responsibilities of the supervisor have been combined with the functionalities of the procurement staff.
- Change the use case "view purchase orders for sites" to "View purchase orders" from all orders.

proposed:



Proposed Use Case Scenarios & reflected Use case scenarios

Reflected - create Requisition

Use Case Id:	01	
Use Case Name:	Create Requisition	
Pre-conditions:	User has to log in as a site manager through the mobile browser	
Primary Actors:	Site Manager	
Secondary Actors:	Supervisor, Procurement Staff	
Main Flow:	Step	Action
	1	Site manager clicks on 'Create Requisition' button in the application.
	2	System prompts the requisition form.
	3	Site manager fills the form.
	4	Site manager selects the item and the quantity desired and clicks on the 'Add item' button one by one to complete the requisition.
Post Condition:	System stores the created requisition details.	

Changes:

Every purchase order has to be approved by the procurement staff, there is no budget comparison mechanism

Proposed - Create Requisition

Use Case Id:	01	01	
Use Case Name:	Create	Create Requisition	
Pre-conditions:	_ ·	Mobile application is installed. User has logged into the application.	
Primary Actors:	Site Ma	Site Manager	
Secondary Actors:		Supervisor, Procurement Staff	
Main Flow:	Step	Action	
	1	Site manager clicks on 'Create Requisition' button in the application.	
	2	System prompts the requisition form.	
	3	Site manager fills the form.	
	4	Site manager selects the item and the quantity desired and clicks on the 'Add item' button one by one to complete the requisition.	
	5	System calculates the total price.	
	6	Order confirmation process is generated by the system.	
	7	System prompts the order confirmation	
Extensions:	6) I) III)	If the total price is less than the budget, it will be approved automatically. The order can be confirmed by that. If the total price is greater than the budget, supervisor's approval will be needed. If a past order is done by the management, and the price of the order is greater than the actual budget limit, the order must be approved by the procurement staff.	
Post Condition:	System	n stores the created requisition details.	

Reflected - Check Goods Delivery

Use Case Id:	02		
Use Case Name:	Check goods delivery		
Goal in Context:	The site Manager checks the delivered goods and updates one by one for each item to complete the status of the order after completing the checking.		
Pre-conditions:	 User has to logged in to the system using mobile browser, Particular goods are delivered 		
Post-condition:	1	Check delivery page is used to check about received orders by	
Primary Actors:	Site Manager		
Secondary Actors:	-		
Main Flow:	Step	Action	
	1	The site manager clicks on check delivery in the application.	
	2	System shows a data table that contains item id, item name, ordered quantity, arrived quantity, shortage and approve status.	
	3	Site manager approves or disapproves the delivered goods after checking the goods.	
Extensions:	5a I) The item is approved by the site manager II) The system highlights the tick with green color. 5b I) The item is disapproved by the site manager II) The system highlights the cross with red color and display a pop up a text box to enter a comment for		
	the reject reasons.		
Post Condition:	If all the items have been approved an invoice is generated. If all the items are not approved supplier should be contacted to come to a decision in regard to the purchase order.		

Changes:

The site manager approves each item one by one by checking and add the final result to the notice.

Proposed - Check Goods Delivery

Use Case Id:	02		
Use Case Name:	Check	Check goods delivery	
Goal in Context:	by one	The site Manager checks the delivered goods and updates one by one for each item to complete the status of the order after completing the checking.	
Pre-conditions:		User has to logged in to the system using mobile browser, Particular goods are delivered	
Primary Actors:	Site M	anager	
Secondary Actors:	-		
Main Flow:	Step	Action	
	1	Site manager clicks on check delivery in the application.	
	2	System allows site manager to select an order id, supplier name from a dropdown menu and a date picker to select a particular order date.	
	3	Site manager chooses an order id, a supplier name, and a date to proceed with the checking process.	
	4	System shows a data table that contains item id, item name, ordered quantity, arrived quantity, shortage and approve status.	
	5	Site manager approves or disapproves the delivered goods after checking the goods.	
Extensions:	II)	5a I) The item is approved by the site manager II) The system highlights the tick with green color. 5b I) The item is disapproved by the site manager II) The system highlights the cross with red color and display a pop up a text box to enter a comment for the reject reasons.	
Post Condition:	If all th	If all the items are approved an invoice is generated. If all the items are not approved supplier should be contacted to come to a decision in regarded to the purchase order.	

Proposed - Approvement of Purchase Requisition

Use Case Id:	03	
Use Case Name:	Approvement of Purchase Requisition	
Goal in Context:	According to the supervisor, requisition forms should be approved by completing the given conditions.	
Pre-conditions:	User should be authorized to approve a Purchase Requisition and it should be in "To be Approved" state.	
Primary Actors:	Procurement supervisor	
Secondary Actors:	-	
Main Flow:	1	Procurement supervisor clicks on the purchase requisition form records.
	2	System shows the unauthorized purchase requisition forms.
	3	Supervisor selects on the approved button.
	4	System changes the purchase requisition form's state to "Approved"."
	5	Approved order message is sent by the system to the site manager.

Extensions:	5) a. Supervisor needs to reject the purchase requisition.
	i. Supervisor clicks on the reject button.
	ii. System prompts the supervisor to enter the Rejected Reason.
	iii. Supervisor enters the rejected reason.
	iv. System changes the purchase requisition
	status to
	"Rejected."
	v. System sends the purchase declined message to the supervisor.
Post Condition:	System generates the purchase order, and it is sent to the supplier.

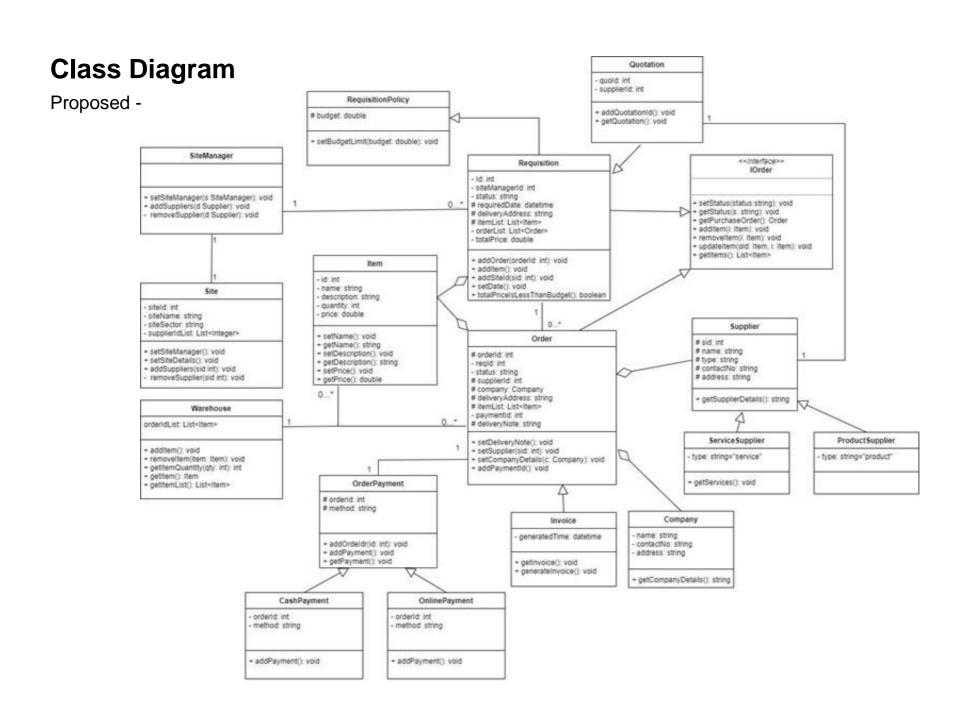
Changes:

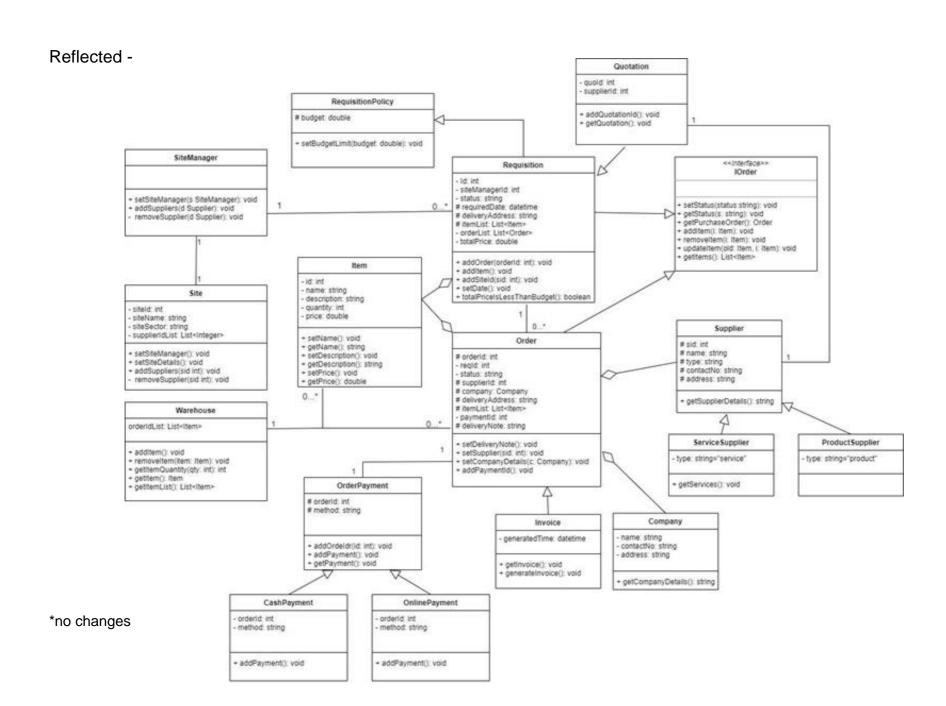
The supervisor role responsibilities has been assigned to the procurement staff

Reflected - Approvement of Purchase Requisition

Use Case Id:	03	
Use Case Name:	Approvement of Purchase Requisition	
Goal in Context:	According to the procurement staff member, requisition forms should be approved by completing the given conditions.	
Pre-conditions:	User should be authorized to approve a Purchase Requisition and it should be in the "To be Approved" state.	
Primary Actors:	Procurement staff	
Secondary Actors:	-	
Main Flow:	1	Procurement staff member clicks on the purchase requisition form records.
	2	The system shows the purchase requisition forms to be authorized.
	3	The procurement staff member clicks on the Approve button.
	4	System changes the purchase requisition form's state to "Approved"."
	5	Approved order message is sent by the system to the site manager

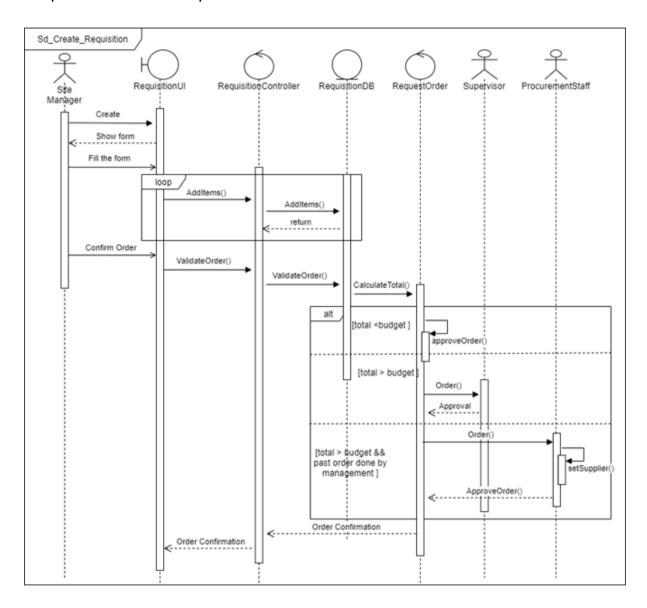
Extensions:	 5) a. procurement staff members need to reject the purchase requisition. i. procurement staff member clicks on the reject button. ii. The system prompts the supervisor to enter the
	Rejected reason.
	iii. procurement staff member enters the rejected reason.iv. System changes the purchase requisition status to "Rejected."
	v. The system sends the purchase declined message to the procurement staff member.
Post Condition:	System generates the purchase order, and it is sent to the supplier.



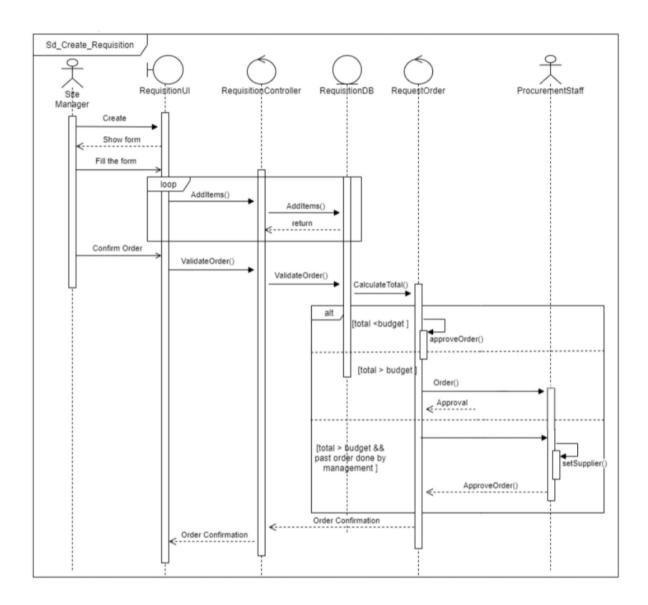


sequence Diagrams

Proposed - Create Requisition



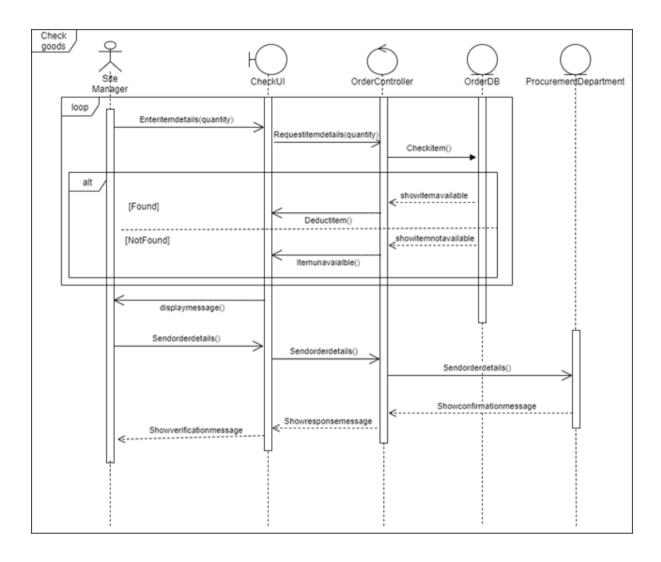
Reflected- Create Requisition



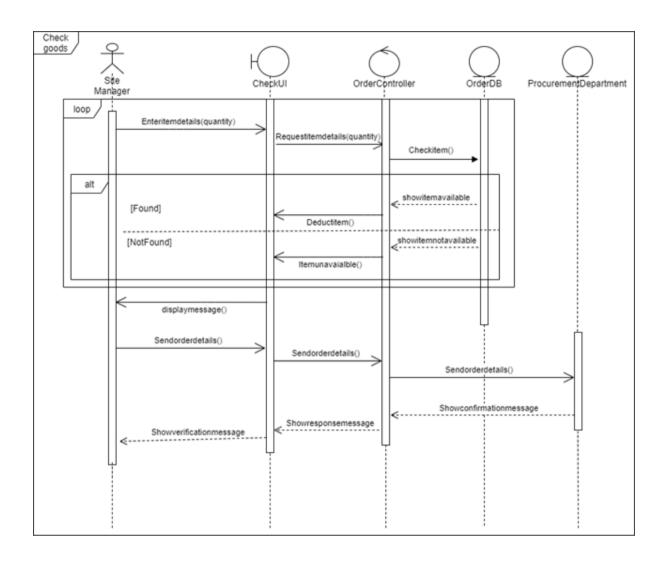
Changes:

The supervisor role responsibilities has been assigned to the procurement staff

Proposed - Check Goods Delivery

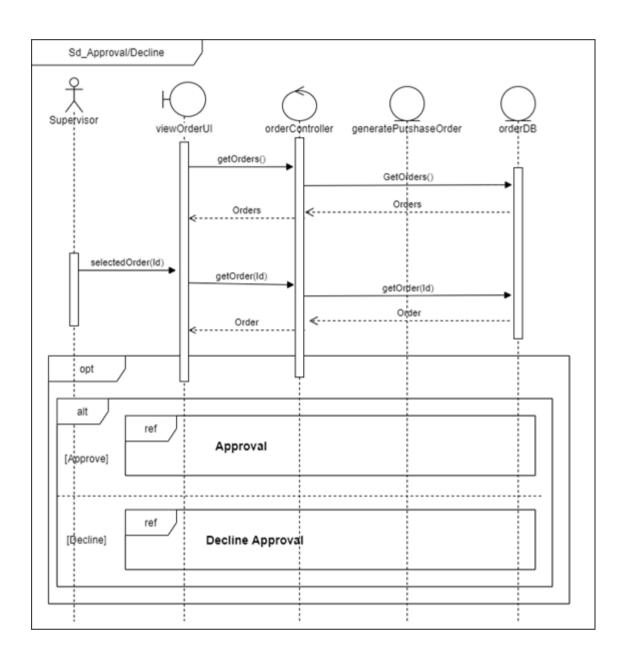


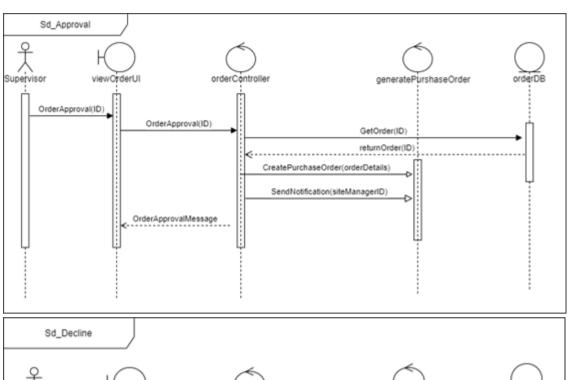
Reflected - Check Goods Delivery

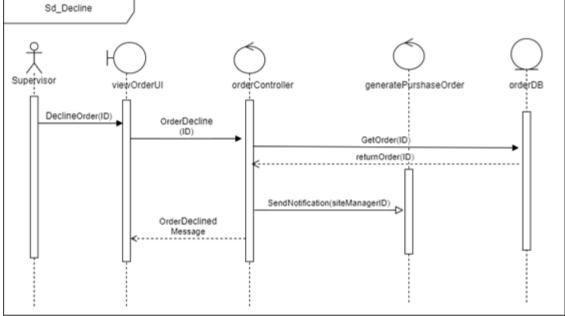


^{*} No changes

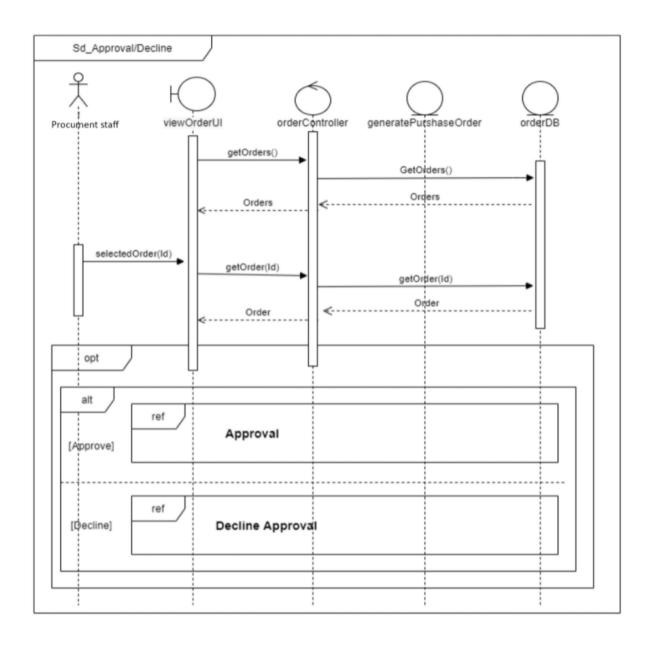
Proposed - Approvement/ Decline of Purchase Requisition

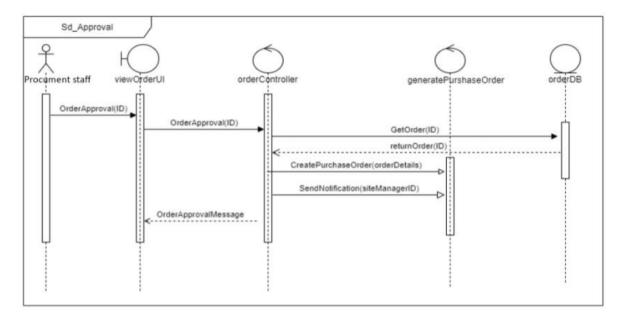


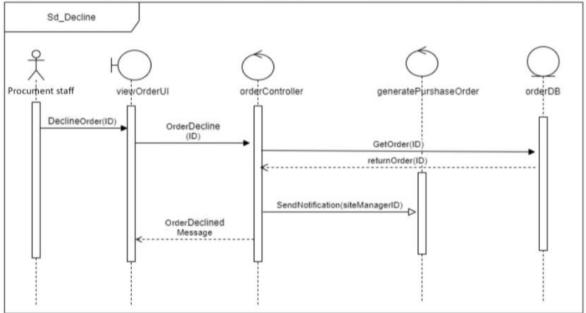




Reflected - Approvement/ Decline of Purchase Requisition





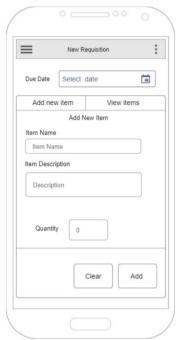


Changes:

The supervisor role responsibilities have been assigned to the procurement staff

Wireframes - Mobile

Proposed new requisition





Reflected new requisition

