

IndusTree - Factory Management Platform

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Project Title: IndusTree (Factory Management Platform)

Requirements:

ID	Requirement	Topic Area	User
UR – 006(a)	Users can view their machine line status	Line Status	Factory Line Employee
UR – 006(b)	Users can view machine line statuses of all lines	Line Status	Factory Supervisor
UR – 007	Users can apply for leave	Leaves and Claims	All
UR – 008	Users can apply for claims	Leaves and Claims	All
UR – 012	Users can sign out	Authentication	All
UR – 013	Users can reset their passwords	Authentication	All

Use Case Documents:

Use Case ID	UR-006(a)
Use Case Name	Users can view their machine line status
Description	Users can view the status of all the lines administered/operated by their, the Item ID of the units currently processing and the stock quantity of a type.

Actors	Factory Line Employee		
Pre-conditions	User must be logged in.		
Post-conditions	User can view their detailed machine line status.		
Frequency of Use	Frequently		
Flow of Events	S.No	Actor Action	System Response
	1.	User visits the Employee homepage and clicks on the My Lines link.	The system redirects the user to a page where they can view the functional status of the line, the Item ID of the units currently processing and the stock quantity of the machine type.
Exceptions			
Notes and Issues			
Developer Notes			

Use Case ID	UR-006(b)
Use Case Name	Users can view the machine line status of all the lines.
Description	Users can view the status of all the lines, the Item ID of the units currently processing and the stock quantity of a type.

Actors	Factory Supervisor		
Pre-conditions	User must be logged in as a Factory Supervisor.		
Post-conditions	User can view the detailed machine line status of all lines.		
Frequency of Use	Frequently		
Flow of Events	S.No	Actor Action	System Response
	1.	User visits the Employee homepage and clicks on the Line Statuses link.	The system redirects the user to a page where they can view, for all the lines, the functional status of the lines, the Item ID of the units currently processing and the stock quantity of the machine type.
Exceptions			
Notes and Issues			
Developer Notes			

Use Case ID	UR-007
Use Case Name	Users can apply for leave
Description	Users can apply for leaves by entering the start date, end date and type of leave

Actors	Riomhaire Affiliates		
Pre-conditions	User must be logged in		
Post-conditions	The user is intimated about their successful leave application with a corresponding leave ID number and their request is logged		
Frequency of Use	Frequently		
Flow of Events	S.No	Actor Action	System Response
	1.	Click on the My Leave and Claims link.	The system redirects the user to a page where they can apply for leaves by entering the start date, end date and the notes
	2.	Enter fields with relevant information about the leave request and click the Submit button.	The system validates that realistic data has been entered and enters the leave request information into the Leave Database. It then reloads the My Leave and Claims page for the user with a notification at the top of the page with a generated leave id. This notification is also displayed on the employee's Dashboard.
Exceptions	When mandatory fields are vacant or have invalid data, an error message is displayed.		
Notes and Issues			
Developer Notes			

Use Case ID	UR-008
Use Case Name	Users can apply for claims
Description	Users can apply for claims by entering the item ID, the purchase date and the amount to be reimbursed

Actors	Riomhaire Affiliates		
Pre-conditions	User must be logged in		
Post-conditions	The user is intimated about their successful claim application with a corresponding claim ID number and their request is logged		
Frequency of Use	Frequently		
Flow of Events	S.No	Actor Action	System Response
	1.	Click on the My leaves and Claims link.	The system redirects the user to a page where they can apply for claims for any item purchased lines by entering the Item type, Item ID, purchase date and the amount to be reimbursed.
	2.	Enter fields with relevant information about the claim request and click the Submit button.	The system validates that realistic data has been entered and enters the claim request information into the Claim Database. It then reloads the My Leave and Claims page for the user with a notification at the top of the page with a generated claim id. This notification is also displayed on the employee's Dashboard.
Exceptions	When mandatory fields are vacant or have invalid data, an error message is displayed.		
Notes and Issues			
Developer Notes			

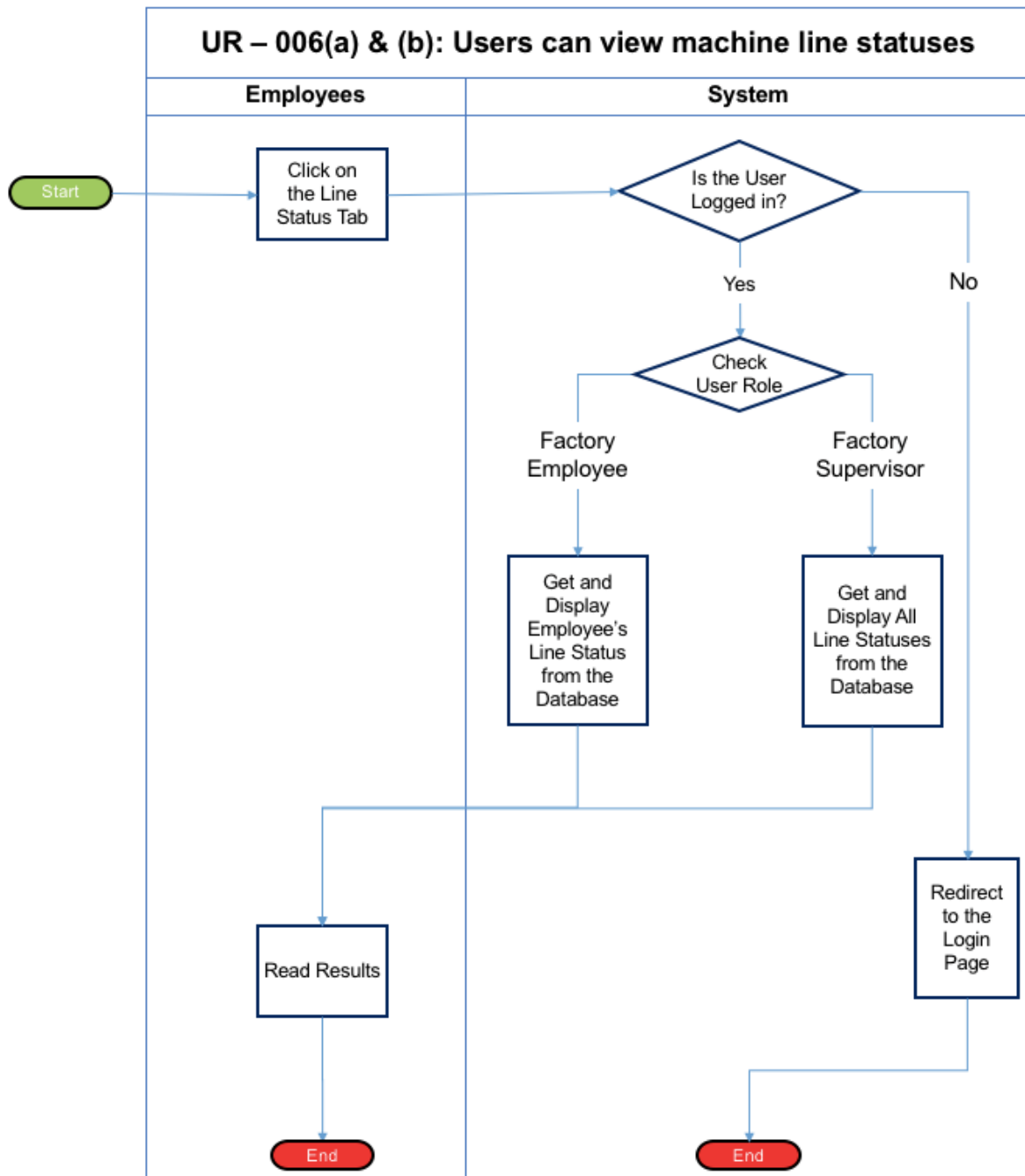
Use Case ID	UR-012
Use Case Name	Users can sign out
Description	Users can sign out their session by clicking on the Sign Out link

Actors	Riomhaire Affiliates		
Pre-conditions	User must be logged in		
Post-conditions	User is redirected to the login page.		
Frequency of Use	Rarely		
Flow of Events	S.No	Actor Action	System Response
	1.	User clicks on the Sign Out link.	The system ends the user's active session and redirects the user to the Login page.
Exceptions			
Notes and Issues			
Developer Notes			

Use Case ID	UR-013
Use Case Name	Users can reset their password
Description	Users are emailed a link to reset a forgotten password

Actors	Riomhaire Affiliates		
Pre-conditions	User should have a valid riomhaire.com email ID for the reset password link to be sent		
Post-conditions	User is sent a link to reset their password		
Frequency of Use	Rarely		
Flow of Events	S.No	Actor Action	System Response
	1.	Click the Forgot Password link.	The system redirects the user to a page where they can enter their email-ID. The system validates the email and sends a link to the email provided for resetting the password.
	2.	Click the reset password link in the received email.	The system redirects the user to a window where they can update their new password.
	3.	Click the Submit button.	The system validates that whether the password has been entered twice and that they match. The system updates the user's password in the database to the newly entered password. The system now redirects the user to the login page again.
Exceptions	When mandatory fields are vacant, an error message is displayed.		
Notes and Issues			
Developer Notes			

Activity Diagram:



User Interaction Diagram:

UR – 006(a) & (b): Users can view machine line statuses

