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Analysis of Nurses Task

Nurses Task Recording App– PoC High Level Requirements



- ✓ Primary goal of this application is to capture tasks performed by Nurses during their regular shift hours and provide insights to supervisors and managers about the collected statistics.
- ✓ Application will be used by two primary personas, “Nurses” and “Nurse supervisors”.
- ✓ Nurses interact with application Nurses only web interface to enter the tasks performed during shift hours. (UI is not need, Only API)
- ✓ Nurse Supervisors interfaces with application through web application that provide different type of statistical analysis of captured data. Optionally, can be enhanced to have responsive UI. (UI is not need, Only API)

Nurses Task Recording App – PoC Setup Assumptions



Application works with predefined dimensions of Region, Facility, Department. All nurses and their supervisors are associated with these dimensions. Following are relationship qualifies:

- ✓ One Region can have multiple Facilities.
- ✓ One Facility can have multiple Departments
- ✓ One Department can have multiple Nurses
- ✓ One Nurse can work for multiple departments during one shift
- ✓ The Department can have predefined set of tasks that nurses associated to it perform.
- ✓ Nurse can add custom task if not listed in predefined task list.
- ✓ Department tasks are added at the time of onboarding a region, facility or department. For PoC scope this shall be done using scripting means. In future this can be done through admin console.
- ✓ PoC will work out of test metadata to be generated by development team.

Nurses Task Recording App – PoC Functional Assumptions



Application provides two separate functional flows, one for Nurse App and other for Supervisors to analyze collected statistics.

- ✓ Each Nurse and Nurse Supervisor get their unique user identity. Application will manage it's own identity for PoC.
- ✓ Upon login nurses can add tasks performed by them during shift hours on same date. App can be further enhanced to do back dated task logging, but this will increase the complexity of operations.
- ✓ Nurses can log the tasks by either adding them from predefined list, or they can add custom task through free flow text with limited number of characters.

Nurses Task Recording App – API Requirements



Action	Description	Endpoint	Type
Login	Authenticates the user	/login	POST
Get Task list	Gets the tasks for the day for the logged in user	/nurse/getList?username&dept	GET
addItem	Let's the logged in user add a custom task which they performed	/nurse/addItem	POST
updateItem	Lets the user update the status of tasks	/nurse/updateItem	POST
Analytics	Lets the admin get different analytics	/admin/analyze	POST

THANK YOU



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