

P4: Design Requirements

Team UX in Rx

List of Requirements:

1. Enable nurses to quickly relay information to other health-care providers.
2. **Quickly and accurately record patient information to the system/database.**
3. **Easy way to access patient data.**
4. Better way to distinguish between urgent and non-priority messages.
5. **Enable nurses to efficiently convey information to patients in a manner that they are easily able to understand.**
6. **Easily add information and data to pre-existing patients' records.**
7. Enable nurses to easily continue working from different devices.
8. Allow nurses to input new medications into the system.
9. Enable nurses to transfer data from a paper form to a digital one using vocal dictation.
10. Enable nurses to check if patients have received necessary care/medications and been checked on, and notify them if they have not.

Breakdown:

1. Enable nurses to quickly relay patient information to other health-care providers.

Action: Relay

Object: Patient information

Context: Health-care providers use app-based instant messaging to pass information between themselves

2. Quickly and accurately record patient information to the system/database.

Action: Record

Object: Patient information

Context: Inputting a patient's information into the system or database

3. Easy way to access new patient data.

Action: Access

Object: Patient data

Context: Nurse gets another patient assigned to him/her and needs the corresponding data and records

4. Distinguish between urgent and non-priority messages.

Action: Distinguish

Object: Urgent and non-priority messages

Context: Know when a message needs to be responded to immediately or if the response can wait until a later time

5. Enable nurses to efficiently convey information to patients in a manner that they are easily able to understand.

Action: Convey

Object: Information

Context: Use the app-based instant messaging system to pass information regarding a patient to said patient such that they are easily able to understand their health information and status

6. Easily add information and data to pre-existing patients' records.

Data: Patient information and data (blood test results, scans, weight)

Functional: Access pre-existing patient record database, edit records

Contextual: System connects to database containing patient records; Accesses specific patient's records; Button to edit and add information to record

7. Enable nurses to easily continue working from different devices.

Data: Current project/file the nurse is working on, login credentials

Functional: Log in to any device

Contextual: System would connect data from different devices through a cloud-based network, allowing nurses to access and input information everywhere

8. Allow nurses to input new medications into the system.

Data: Medication (Zocor, Bumex, Corgard, Accutane)

Functional: Add new medications, remove medication, search current medication

Contextual: Allow the creation of new medications if you can't find it in the system and allow the removal of medication from the system

9. Enable nurses to accurately transfer data from a paper form to a digital one using vocal dictation.

Data: Data from paper forms (name, weight, reason for hospital visit, insurance, blood pressure)

Functional: Dictation to text

Contextual: Allow accurate dictation for transcribing forms; Transcription software converts voice to text in the interface

10. Enable nurses to quickly check if patients have received necessary care/medications, if they have been checked on, and notify them if they have not.

Data: Patient notes (medication, special needs, care)

Functional: Notifications on nurse's device that reminds them if a patient hasn't been tended to

Contextual: Be up to date about the patient's condition about what has been administered to the patient and what needs to be done next