Abbreviated Requirements for Meal Ordering System

Functional Requirements:

1. [Structure] The system shall reflect the hospital’s structure
   1.1. System shall support all 7 wards
   1.2. System shall ensure that each ward has a maximum of 100 patients
   1.3. System shall ensure that each ward has one supervisor
   1.4. System shall ensure that each supervisor works in one ward only
   1.5. System shall ensure that each nurse works in one ward only
   1.6. System shall ensure the dishes on menus can be identified

2. [Access control] The system shall require the staff to login as users before use of system
   2.1. The login process shall use the staff ID
   2.2. System shall require a new login after 30 minutes of inactivity
   2.3. System shall ensure that different users are only allowed to do what their role allows
       2.3.1. System shall ensure that only nurses and supervisors can take orders
       2.3.2. System shall ensure that only kitchen staff creates menu
       2.3.3. System shall ensure that only kitchen staff releases menu
       2.3.4. System shall ensure that only kitchen staff receives orders for following day
       2.3.5. System shall ensure that only the supervisor of ward receives menu

3. [Create menu] The system shall allow the kitchen staff to create menu for the following day
   3.1. System shall allow kitchen staff to add/delete meals to not released menu
   3.2. System shall allow kitchen staff to release menu
   3.3. System shall ensure when releasing the menu that:
       3.3.1. menu contains at least one dish for each meal
       3.3.2. menu has a maximum of 4 dishes for any meal
       3.3.3. no overwriting is done when patients can still order

4. System shall ensure release of menu for the following day after the currents day ordering process
   has been finished and before 8am the following day
   4.1. System shall ensure that released menus cannot be changed
   4.2. System shall provide same menu to all wards after release
   4.3. System shall inform ward supervisors about new menu release

5. [Print menu] The system shall allow ward supervisor to print current menu

6. [Take orders] System shall let nurse take orders of patients for the following day
   6.1. System shall only allow taking orders from released menu
   6.2. System shall only allow nurses to take order if patient is from their ward
   6.3. System shall check the patients availability
       6.3.1. System shall ensure sure that patients not discharged the following day order exactly 3 meals
       6.3.1.1. One breakfast, one lunch, one dinner
6.3.2. System shall make sure that patients that are discharged the following day can only order breakfast
6.4. System shall save the ID of nurse taking the order
6.5. System shall ensure that orders cannot be changed after sending them to the kitchen
6.6. System shall ensure that orders are never deleted

7. [Change orders] System shall let nurse change the order of a patient
   7.1. System shall save the ID of the nurse doing the order change, old ID is overwritten
   7.2. System shall overwrite old order
   7.3. System shall ensure that order is correct according to rules for new order

8. [Send orders] System shall send orders to kitchen at 17:00

Nonfunctional Requirements:
   a. The system shall be easy to use
   b. Use of system shall be easy to learn
   c. The system shall provide error messages in plain text
      c.1. The system shall uniquely identify each error situation
   d. The system only needs to support orders on a mobile device