

Web FrameWork Development

Deliverable 2



April 6, 2025

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**Use case Spec Diagrams**

Given my Username ends with ‘22’ I have been tasked with the theme ‘Health’ and the must have Use Case is ‘Purchase Orders (PO-Items)’.

Purchase Orders Use case diagram:

A diagram of a purchase order

AI-generated content may be incorrect.

The diagram represents a Purchase Order System. There are three main user roles:

* Admin
* Manager
* Employee

1. **Roles:**

* Admin:
  + **Review Purchase Orders:** The Admin can see and review orders that have been created.
  + **Approve Orders:** They decide if an order should be approved.
* Manager:
  + **Create Purchase Order:** The Manager is responsible for creating new purchase orders.
  + **Cancel Purchase Order:** There is a direct link from the Manager to cancel an order if necessary.
* Employee:
  + **View Purchase Orders:** Employees can only view the orders; they don’t have permissions to create, cancel, or review orders.

Patient Admission Use Case

A diagram of a registration process

AI-generated content may be incorrect.

There are three main user roles:

* **Admin**
* **Receptionist**
* **Patient**

**1. Roles:**

**• Patient:**

* **Register:** The patient fills out their own registration information to start the admission process.
* **Update Details:** After registering, the patient can optionally update their personal information.

**• Receptionist:**

* **Approve Registration:** The receptionist is responsible for reviewing and approving patient registrations.
* **Verify Insurance:** As part of approval, the receptionist must check that the patient’s insurance is valid.
* **Assign Room:** If the patient is being admitted, the receptionist may assign them a room.
* **Cancel Registration:** If needed, the receptionist can cancel a registration (e.g., if details are incorrect or insurance fails).

**• Admin:**

* **Approve Registration:** The admin has access to approve registrations (like a supervisor).
* **Cancel Registration:** The admin also has the ability to cancel registrations.
* **View Registration List:** The admin can view the list of all registered patients but doesn’t get involved in the actual registration or approval process.

**2. Relationships:**

* **<<extend>>** between **Register** and **Update Details**:  
  This means that after registering, patients have the optional ability to update their information.
* **<<include>>** between **Approve Registration** and **Verify Insurance**:  
  Verifying insurance is a required step in the approval process, so it is always included.
* **<<extend>>** between **Approve Registration** and **Assign Room**:  
  Assigning a room only happens if the patient is being admitted, so it’s an optional step.
* **<<extend>>** between **Approve Registration** and **Cancel Registration**:  
  Cancellation happens only in certain situations (e.g., duplicate entry, insurance failed), so it’s optional.
* **Dashed dependency line** between **Register** and **Approve Registration**:  
  This shows that when a patient registers, their information is passed on to the receptionist for approval. However, the patient does **not** have access to the approval process.