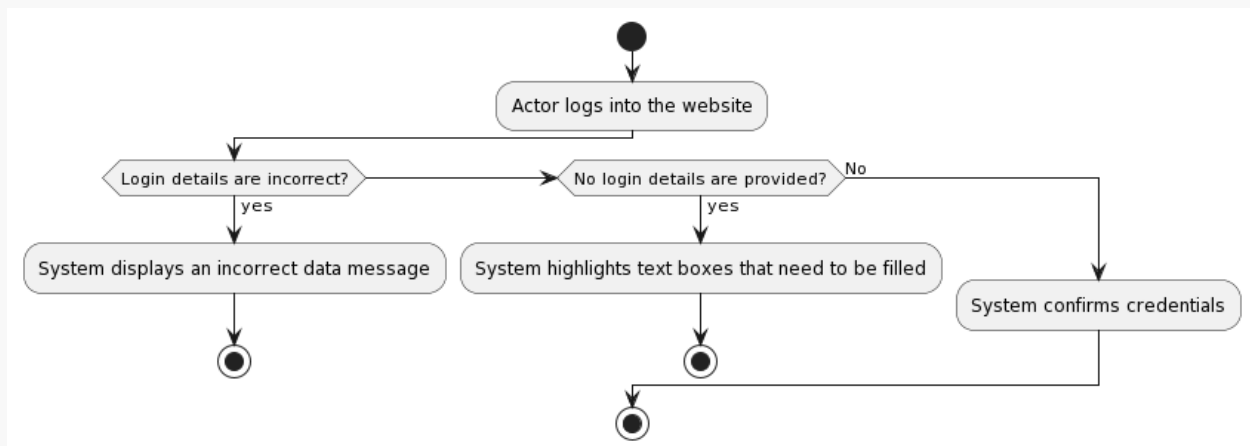## UC-01: Login to the website

```
                              ●
                              │
                              ▼
                  ┌───────────────────────────┐
                  │ Actor logs into the website│
                  └───────────────────────────┘
           ┌──────────────┴──────────────────┐
           ▼                                  ▼
   ⟨Login details are incorrect?⟩    ⟨No login details are provided?⟩── No ──┐
           │ yes                              │ yes                          │
           ▼                                  ▼                              ▼
┌──────────────────────────────┐  ┌──────────────────────────────────┐  ┌──────────────────────────┐
│System displays an incorrect  │  │System highlights text boxes that │  │System confirms credentials│
│      data message            │  │       need to be filled          │  └──────────────────────────┘
└──────────────────────────────┘  └──────────────────────────────────┘              │
           │                                  │                                      │
           ▼                                  ▼                                      │
          ◉                                  ◉ ◄────────────────────────────────────┘
                                              ▼
                                             ◉
```

UC-02: Employee checks their shift

```
                              ●
                              │
                              ▼
                    ┌──────────────────────┐
                    │ Actor checks schedule │
                    └──────────────────────┘
                              │
                              ▼
      yes ⟨The actor doesn't have any shifts allocated?⟩ No
       │                                                │
       ▼                                                ▼
┌─────────────────────────────────┐  ┌──────────────────────────────────────┐
│System displays a message         │  │System displays available schedule     │
│     "No shifts found."           │  │            for actor                   │
└─────────────────────────────────┘  └──────────────────────────────────────┘
       │                                                │
       └───────────────────►  ◇  ◄─────────────────────┘
                              │
                              ▼
                             ◉
```
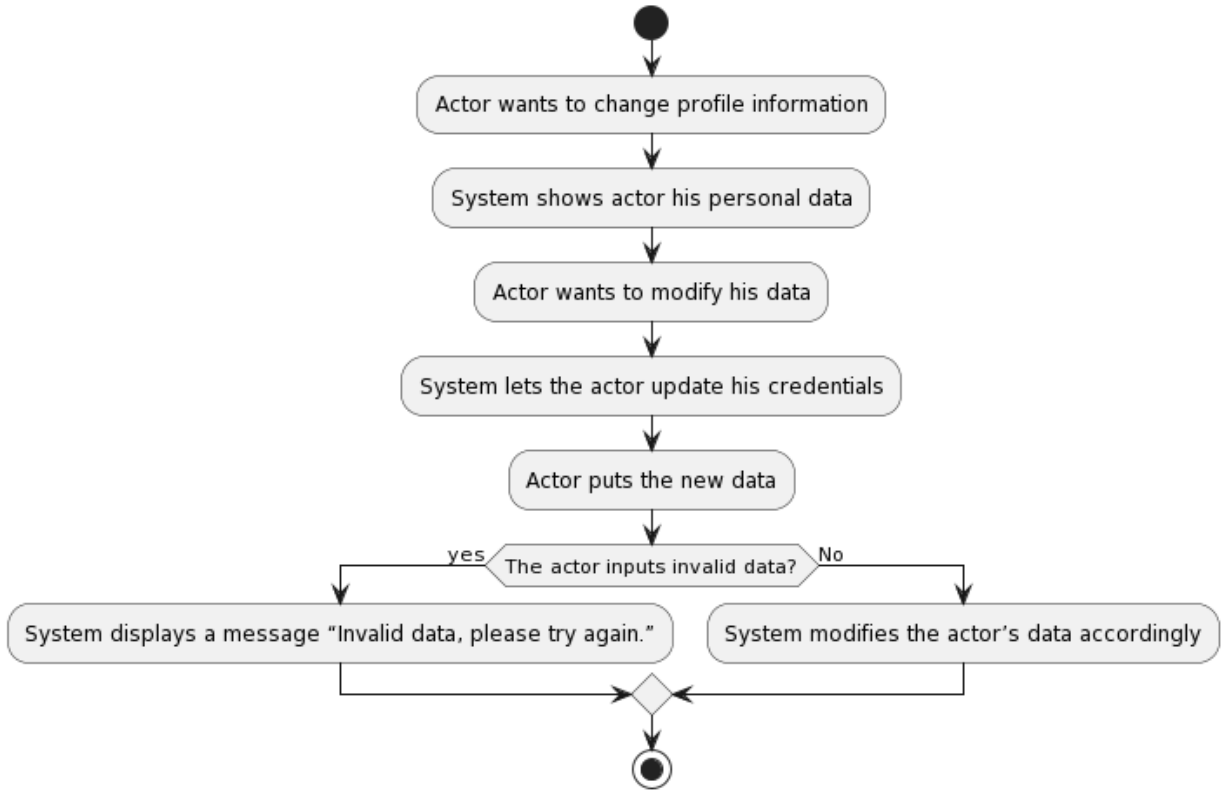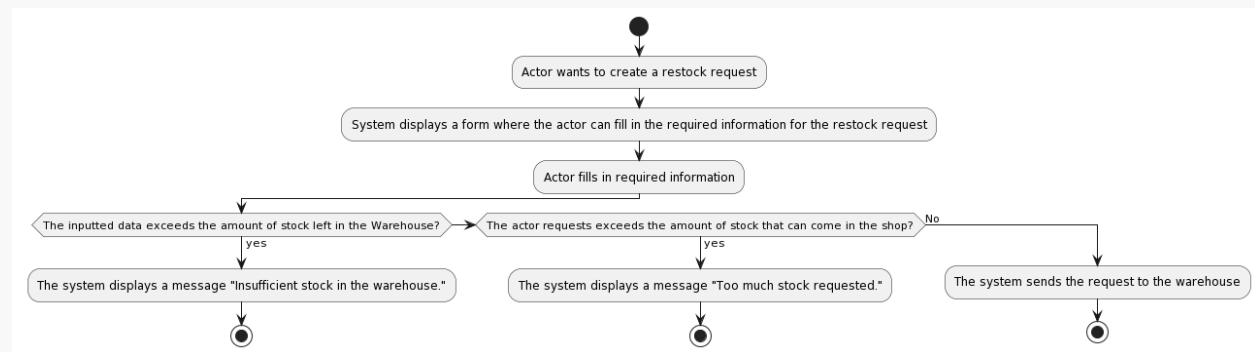
UC-03: Employee wants to modify their personal data
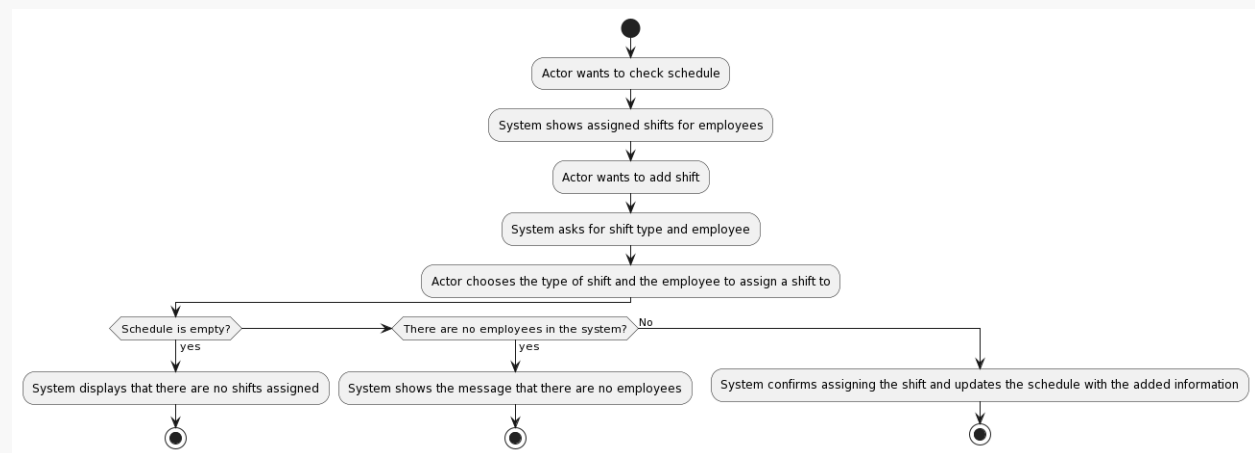
```
                                  ●
                                  │
                                  ▼
                 ┌────────────────────────────────────┐
                 │ Actor wants to change profile       │
                 │ information                         │
                 └────────────────────────────────────┘
                                  │
                                  ▼
                 ┌────────────────────────────────────┐
                 │ System shows actor his personal     │
                 │ data                                │
                 └────────────────────────────────────┘
                                  │
                                  ▼
                    ┌──────────────────────────┐
                    │ Actor wants to modify     │
                    │ his data                  │
                    └──────────────────────────┘
                                  │
                                  ▼
                 ┌────────────────────────────────────┐
                 │ System lets the actor update his    │
                 │ credentials                         │
                 └────────────────────────────────────┘
                                  │
                                  ▼
                    ┌──────────────────────────┐
                    │ Actor puts the new data   │
                    └──────────────────────────┘
                                  │
                                  ▼
       yes   ◇ The actor inputs invalid data? ◇   No
        ┌──────                                  ──────┐
        ▼                                               ▼
┌────────────────────────────────┐      ┌────────────────────────────────────┐
│ System displays a message      │      │ System modifies the actor's data    │
│ "Invalid data, please try      │      │ accordingly                          │
│ again."                        │      │                                      │
└────────────────────────────────┘      └────────────────────────────────────┘
        │                                               │
        └──────────────────◇──────────────────────────┘
                           │
                           ▼
                           ◉
```

UC-04: Administrator wants to see statistics

```
                                  ●
                                  │
                                  ▼
                 ┌────────────────────────────────────┐
                 │ Administrator wants to open         │
                 │ statistics                          │
                 └────────────────────────────────────┘
                                  │
                                  ▼
                    ┌──────────────────────────┐
                    │ System opens statistics   │
                    └──────────────────────────┘
                                  │
                                  ▼
         ┌──────────────────────────────────────────────────┐
         │ Actor types the name/ID of the person whose       │
         │ statistics he wishes to see                       │
         └──────────────────────────────────────────────────┘
                                  │
                                  ▼
  yes  ◇ The wanted employee does not exist in the system? ◇  No
   ┌─────                                                   ─────┐
   ▼                                                              ▼
┌────────────────────────────────┐      ┌────────────────────────────────────┐
│ System displays a message      │      │ System shows statistics about the   │
│ "Person doesn't exist"         │      │ specified person                    │
└────────────────────────────────┘      └────────────────────────────────────┘
   │                                                              │
   ▼                                                              ▼
   ◉                                                              ◉
```
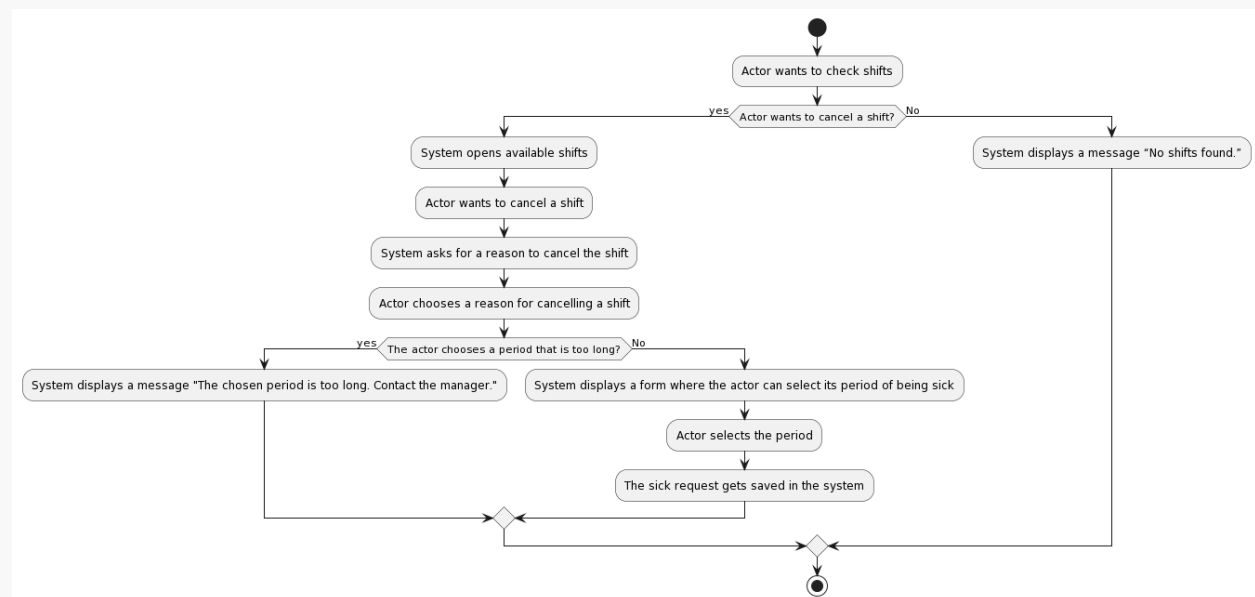
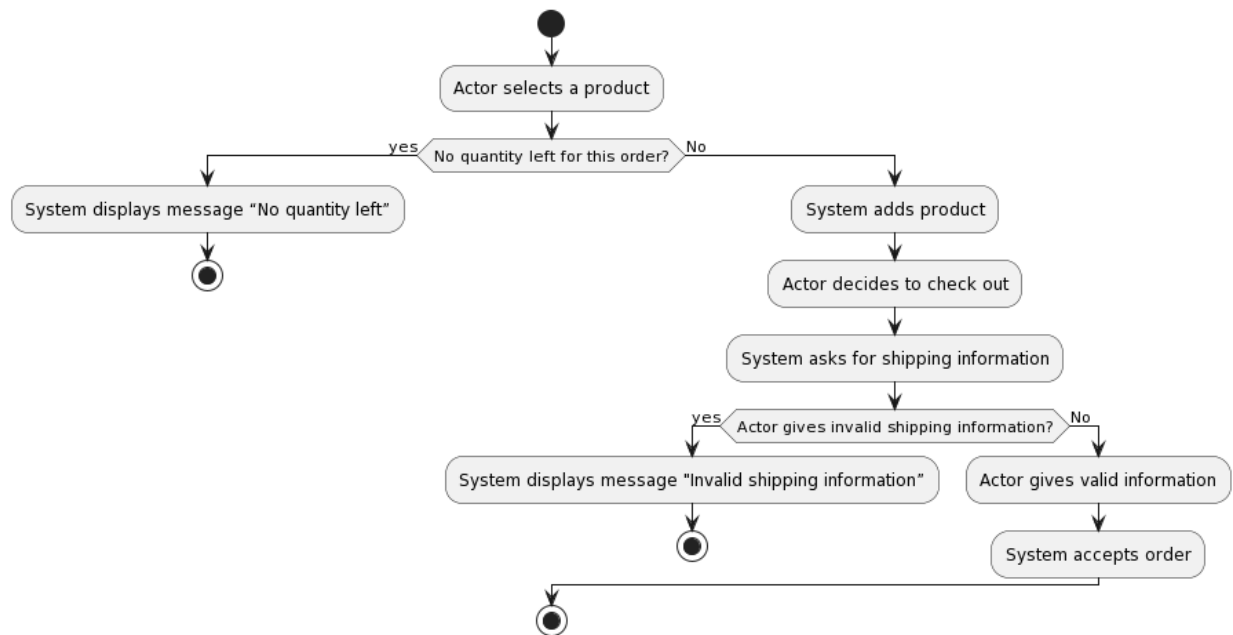## UC-05: An employee wants to create a restock request

```
                              ●
                  Actor wants to create a restock request
                              ↓
     System displays a form where the actor can fill in the required information for the restock request
                              ↓
                  Actor fills in required information
                              ↓
  The inputted data exceeds the amount of stock left in the Warehouse?  →  The actor requests exceeds the amount of stock that can come in the shop?  --No-->
              yes                                    yes
  The system displays a message          The system displays a message          The system sends the request
  "Insufficient stock in the warehouse."  "Too much stock requested."            to the warehouse
              ◉                                    ◉                                    ◉
```

UC-06: Administration assigns shifts to employees
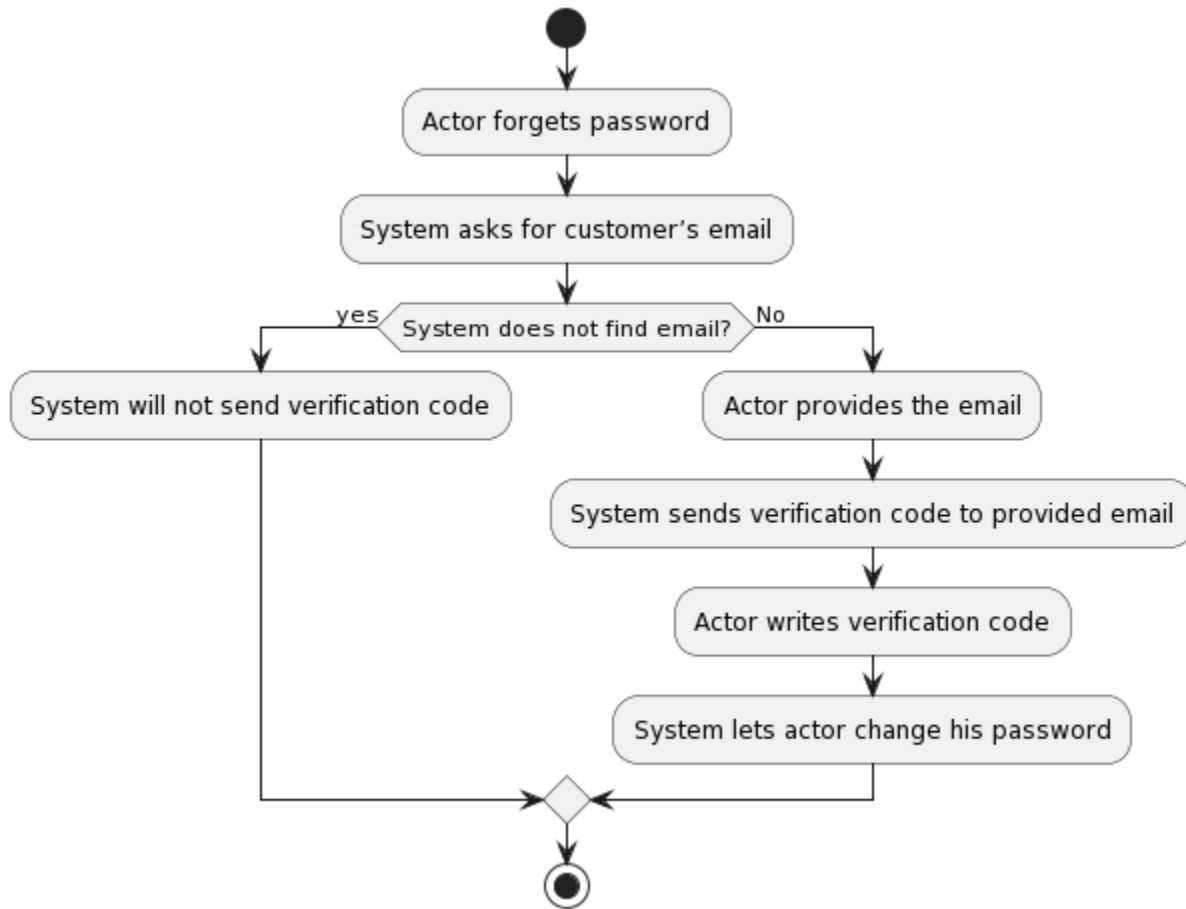
```
                              ●
                  Actor wants to check schedule
                              ↓
              System shows assigned shifts for employees
                              ↓
                  Actor wants to add shift
                              ↓
              System asks for shift type and employee
                              ↓
     Actor chooses the type of shift and the employee to assign a shift to
                              ↓
  Schedule is empty?  →  There are no employees in the system?  --No-->
         yes                      yes
  System displays that there     System shows the message that        System confirms assigning the shift and
  are no shifts assigned         there are no employees               updates the schedule with the added information
         ◉                              ◉                                    ◉
```

UC-07: Employee calls in sick

```
                                        ●
                              Actor wants to check shifts
                                        ↓
              yes ←  Actor wants to cancel a shift?  → No
              ↓                                         ↓
  System opens available shifts              System displays a message "No shifts found."
              ↓
  Actor wants to cancel a shift
              ↓
  System asks for a reason to cancel the shift
              ↓
  Actor chooses a reason for cancelling a shift
              ↓
  yes ←  The actor chooses a period that is too long?  → No
  ↓                                                       ↓
  System displays a message "The chosen period        System displays a form where the actor can
  is too long. Contact the manager."                  select its period of being sick
                                                        ↓
                                              Actor selects the period
                                                        ↓
                                              The sick request gets saved in the system
              ↓                                         ↓
              ◇ ←──────────────────────────────────────┘
                              ◇ ←────────────────────────────────
                              ◉
```

UC-08: Customer orders a product

Actor selects a product

No quantity left for this order? — yes → System displays message "No quantity left"

No → System adds product → Actor decides to check out → System asks for shipping information

Actor gives invalid shipping information? — yes → System displays message "Invalid shipping information"

No → Actor gives valid information → System accepts order

UC-09: Customer searches for a product

Actor wants to order a product

Actor shows an array of products

Actor wants to sort product specifications

System shows sorting options

Actor chooses sorting options

System does not find product based on the specifications? — yes → System displays message "No found product"

No → System shows sorted products

UC-10: Customer forgets password


```
                          ●
                          ↓
              ┌───────────────────────┐
              │ Actor forgets password│
              └───────────────────────┘
                          ↓
              ┌────────────────────────────┐
              │ System asks for customer's email│
              └────────────────────────────┘
                          ↓
        yes ◇ System does not find email? No
            ↓                               ↓
┌──────────────────────────────┐   ┌──────────────────────┐
│ System will not send         │   │ Actor provides the email│
│ verification code            │   └──────────────────────┘
└──────────────────────────────┘              ↓
                          ┌──────────────────────────────────────┐
                          │ System sends verification code to      │
                          │ provided email                         │
                          └──────────────────────────────────────┘
                                         ↓
                          ┌──────────────────────────────┐
                          │ Actor writes verification code │
                          └──────────────────────────────┘
                                         ↓
                          ┌────────────────────────────────┐
                          │ System lets actor change his password│
                          └────────────────────────────────┘
                          ◇
                          ↓
                          ◉
```

UC-11: Administrator adds a new employee to the system


```
                          ●
                          ↓
              ┌─────────────────────────────┐
              │ Actor wants to add a new employee│
              └─────────────────────────────┘
                          ↓
              ┌────────────────────────────────────┐
              │ System prompts for the new employee's details│
              └────────────────────────────────────┘
                          ↓
        yes ◇ The provided information is incomplete? No
            ↓                                          ↓
┌──────────────────────────────────────────────┐  ┌────────────────────────────────┐
│ System displays a message: "Please provide     │  │ Actor provides the required information│
│ all required information."                      │  └────────────────────────────────┘
└──────────────────────────────────────────────┘              ↓
                                    ┌────────────────────────────────────────┐
                                    │ System adds the new employee to the system│
                                    └────────────────────────────────────────┘
                                    ◇
                                    ↓
                                    ◉
```
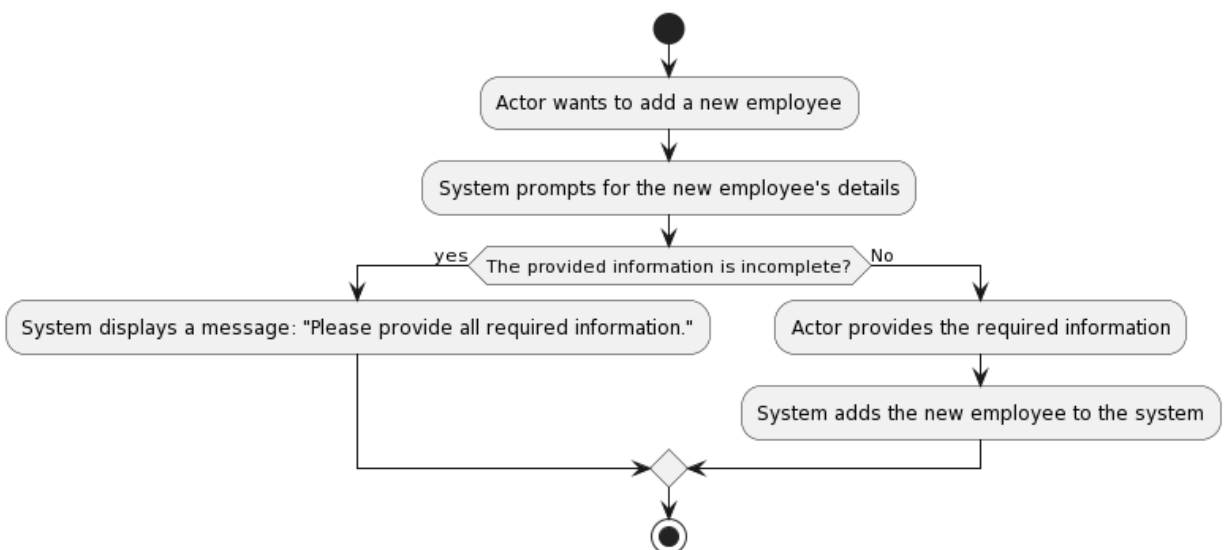
UC-12: Employee requests vacation time

```
                              ●
                              ↓
              ┌───────────────────────────────┐
              │  Actor wants to request time off │
              └───────────────────────────────┘
                              ↓
              ┌───────────────────────────────┐
              │ System shows the user's upcoming shifts │
              └───────────────────────────────┘
                              ↓
        yes  ◇ The Actor has no upcoming shifts? ◇  No
        ↓                                            ↓
┌──────────────────────────┐    ┌──────────────────────────────────┐
│ System displays a message:│    │ Actor selects the shifts for which │
│ "No upcoming shifts found."│    │ they want time off                 │
└──────────────────────────┘    └──────────────────────────────────┘
        │                                            ↓
        │        ┌──────────────────────────────────────────┐
        │        │ System displays a form for the user to      │
        │        │ provide a reason and duration               │
        │        └──────────────────────────────────────────┘
        │                                            ↓
        │              ┌──────────────────────────────────┐
        │              │ Actor submits the time-off request │
        │              └──────────────────────────────────┘
        │                                            ↓
        │        ┌──────────────────────────────────────────┐
        │        │ System updates the schedule with the        │
        │        │ time-off information                        │
        │        └──────────────────────────────────────────┘
        │                                            │
        └──────────────────◇──────────────────────┘
                              ↓
                              ◉
```

UC-13: Administrator manages user roles and permissions

```
                              ●
                              ↓
              ┌──────────────────────────────────────────┐
              │ Actor wants to manage user roles and         │
              │ permissions                                  │
              └──────────────────────────────────────────┘
                              ↓
              ┌──────────────────────────────────────────┐
              │ System provides options to view and          │
              │ modify user roles                            │
              └──────────────────────────────────────────┘
                              ↓
              ┌──────────────────────────────────────────┐
              │ Actor selects a user and modifies their       │
              │ role and permissions                         │
              └──────────────────────────────────────────┘
                              ↓
        yes  ◇ The Actor cancels the role modification? ◇  No
        ↓                                            ↓
┌──────────────────────────┐    ┌──────────────────────────────────────────┐
│ System discards the changes│    │ System updates the user's roles and         │
└──────────────────────────┘    │ permissions accordingly                      │
        │                         └──────────────────────────────────────────┘
        │                                            │
        └──────────────────◇──────────────────────┘
                              ↓
                              ◉
```
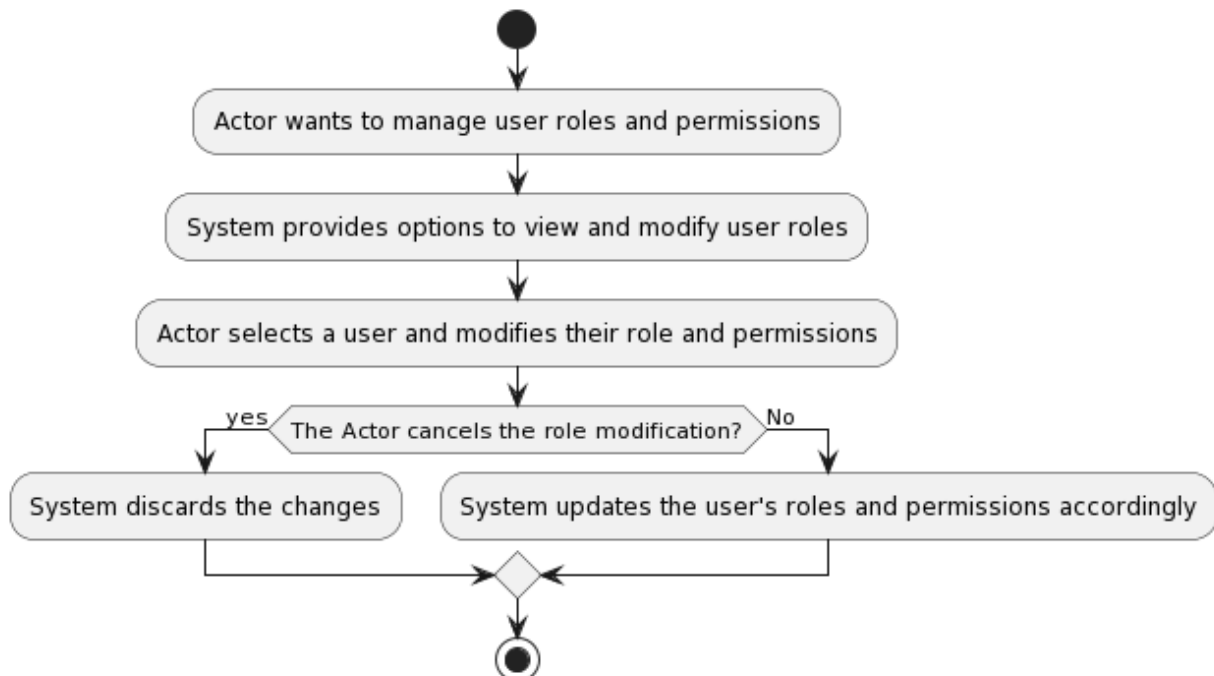
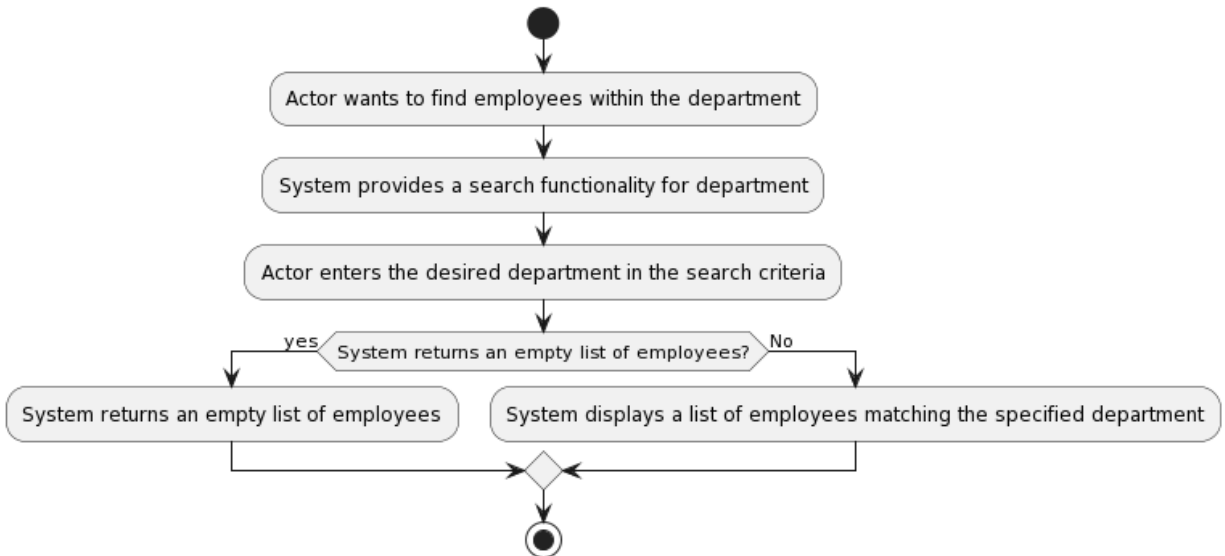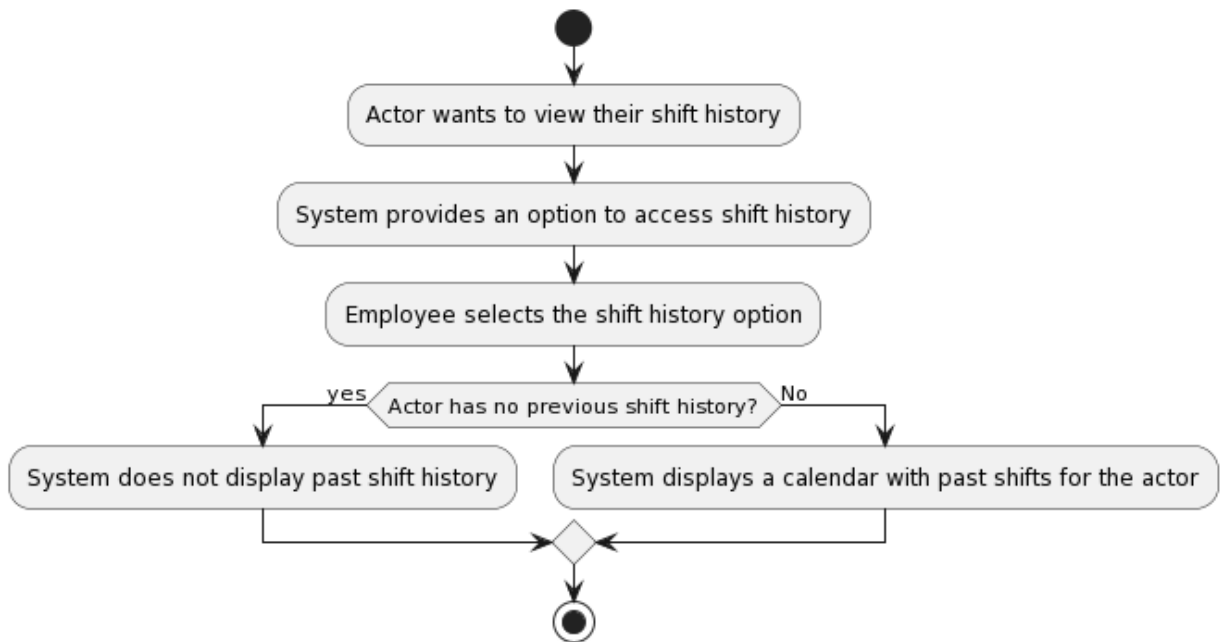**UC-14: Employee manages product inventory**
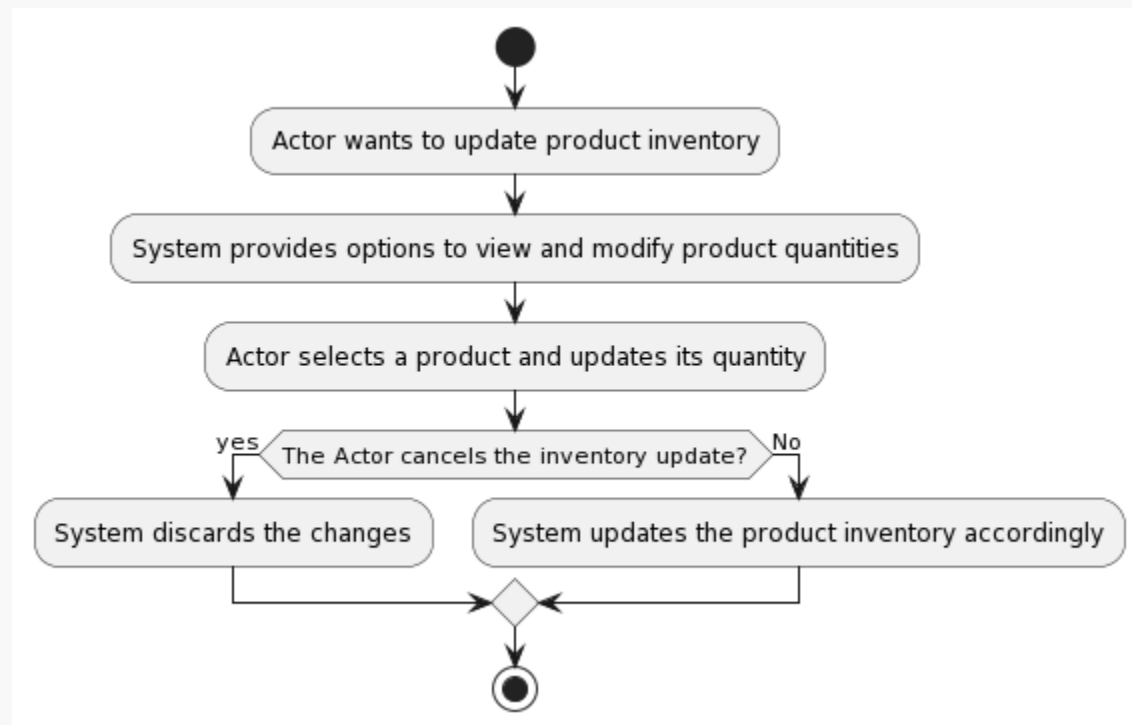
UC-15: Customer provides product ratings and reviews
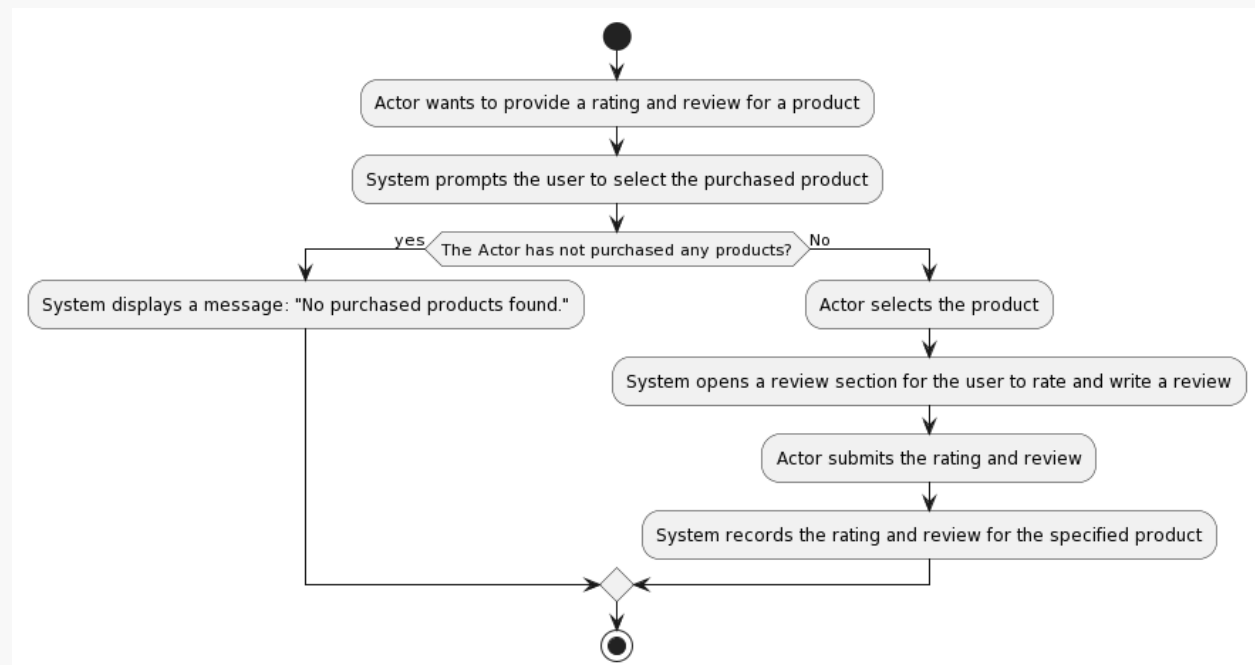
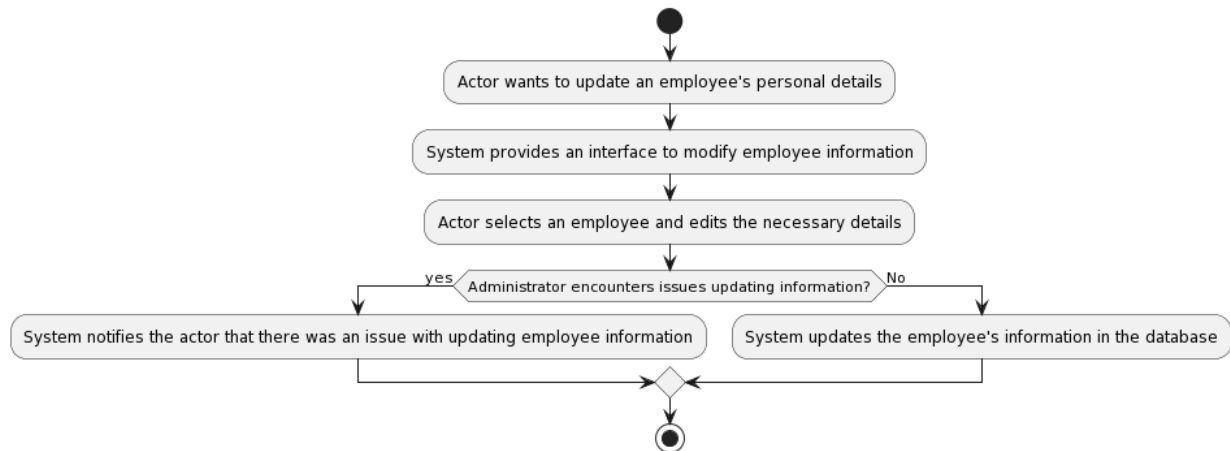## UC-16: Manager Searches for Employees Based on Department

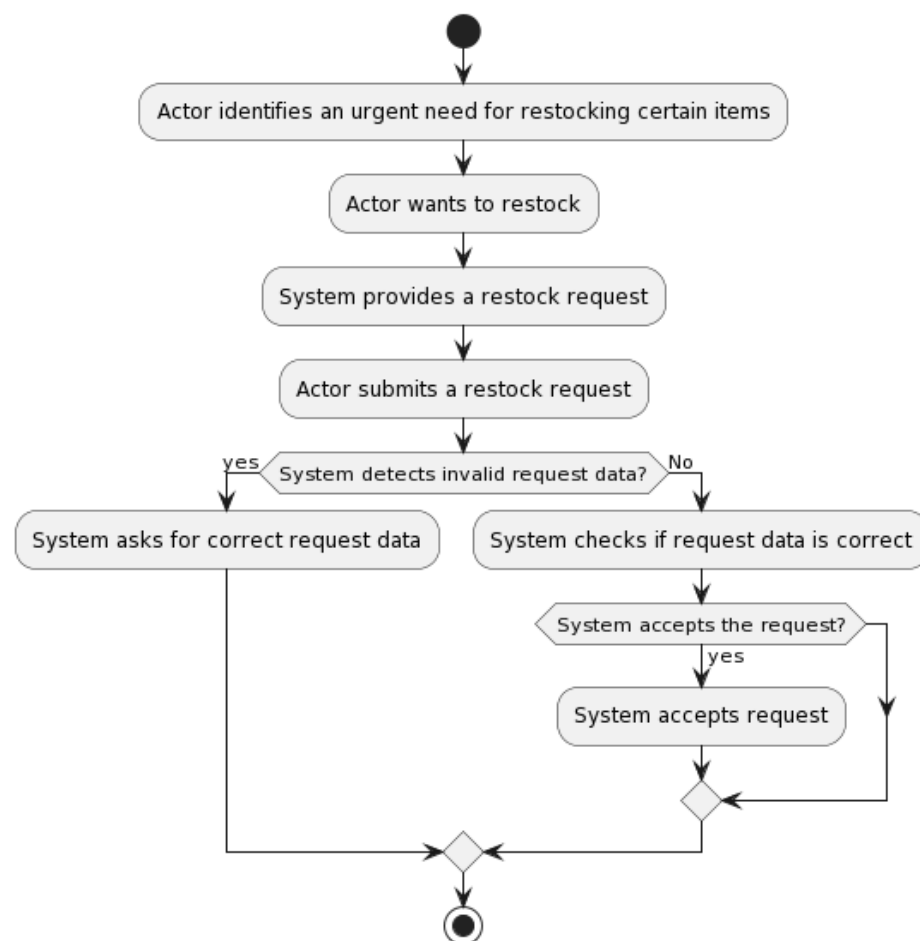## UC-17: Employee Views Shift History

UC-18: Administrator Modifies Employee Information

```
                              ●
                              │
                              ▼
        ┌──────────────────────────────────────────────┐
        │ Actor wants to update an employee's personal details │
        └──────────────────────────────────────────────┘
                              │
                              ▼
        ┌──────────────────────────────────────────────┐
        │ System provides an interface to modify employee information │
        └──────────────────────────────────────────────┘
                              │
                              ▼
        ┌──────────────────────────────────────────────┐
        │ Actor selects an employee and edits the necessary details │
        └──────────────────────────────────────────────┘
                              │
                 yes ◇ Administrator encounters issues updating information? ◇ No
        ┌────────────────────────────────────────────┐   ┌──────────────────────────────────────────────┐
        │ System notifies the actor that there was an issue │   │ System updates the employee's information in the database │
        │ with updating employee information          │   └──────────────────────────────────────────────┘
        └────────────────────────────────────────────┘
                              ◇
                              ▼
                              ◉
```

UC-19: Employee Submits Restock Request for Urgent Items

```
                              ●
                              │
                              ▼
        ┌──────────────────────────────────────────────┐
        │ Actor identifies an urgent need for restocking certain items │
        └──────────────────────────────────────────────┘
                              │
                              ▼
              ┌──────────────────────────┐
              │ Actor wants to restock   │
              └──────────────────────────┘
                              │
                              ▼
              ┌──────────────────────────┐
              │ System provides a restock request │
              └──────────────────────────┘
                              │
                              ▼
              ┌──────────────────────────┐
              │ Actor submits a restock request │
              └──────────────────────────┘
                              │
              yes ◇ System detects invalid request data? ◇ No
        ┌──────────────────────────┐        ┌──────────────────────────────────┐
        │ System asks for correct   │        │ System checks if request data is correct │
        │ request data              │        └──────────────────────────────────┘
        └──────────────────────────┘                       │
                   │                         ◇ System accepts the request? ◇
                   │                                 │ yes
                   │                         ┌──────────────────────────┐
                   │                         │ System accepts request   │
                   │                         └──────────────────────────┘
                   │                                 ◇
                              ◇
                              ▼
                              ◉
```

UC-20: System Validates Employee Login Credentials