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| **USE CASE NAME:** | Add Medication | **USE CASE TYPE** |
| **USE CASE ID:** | 16 | **Business Requirements: 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Pharmacy Administrator | |
| **OTHER PARTICIPATING ACTORS:** | None | |
| **DESCRIPTION:** | This use case describes the pharmacy administrator adding a medication’s details. | |
| **PRE-CONDITIONS:** | The pharmacy administrator has logged onto the system. | |
| **TYPICAL COURSE** | Step 1 The pharmacy administrator selects the “Add Medication” function.  Step 2 The system displays the “Add Medication” form with all fields blank.  Step 3 The pharmacy administrator enters the medication’s name and cost.  Step 4 The pharmacy administrator chooses to add medication.  Step 5 The system validates the data to confirm that all necessary fields are filled in correctly.  Step 6 The system saves the medication’s details (medication id, name and cost).  Step 7 The system displays the “Medication added successfully” message.  Step 8 The system displays “Exit or Add another medication” prompt.  Step 9 The pharmacy administrator elects to end the use case.  Step 10 The system closes the form. | |
| **OF EVENTS:** |
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| **ALTERNATE COURSES:** | Step 6a.1 The system has identified some missing or incorrect fields and displays the prompt for completion of the entry.  Step 6a.2 The system goes to step 3. | |
| Step 9a.1 The pharmacy administrator elects to add another medication.  Step 9a.2 The system goes to step 2. | |
| **POST CONDITIONS:** | None | |
| **ASSUMPTIONS:** | None | |

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| **USE CASE NAME:** | Update Medication | **USE CASE TYPE** |
| **USE CASE ID:** | 17 | **Business Requirements: 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Pharmacy Administrator | |
| **OTHER PARTICIPATING ACTORS:** | None | |
| **DESCRIPTION:** | This use case describes the pharmacy administrator updating a selected medication’s details. | |
| **PRE-CONDITIONS:** | The pharmacy administrator has logged onto the system. | |
| **TYPICAL COURSE** | Step 1 The pharmacy administrator selects the “Update Medication” function.  Step 2 The system displays the “Update Medication” form.  Step 3 The system displays a list of all the medications (medication id and medication name).  Step 4 The pharmacy administrator selects the medication whose details need updating.  Step 5 The system displays the medication’s details (medication id, medication name, and cost).  Step 6 The pharmacy administrator updates the relevant details (medication name and cost only).  Step 7 The pharmacy administrator selects to update the medication.  Step 8 The system validates the entries in the fields.  Step 9 The system prompts for confirmation to change the medication’s details.  Step 10 The pharmacy administrator confirms the change of details.  Step 11 The system saves the medication’s details.  Step 12 The system displays the “Medication updated successfully” message.  Step 13 The system displays the “Exit or Update another medication?” prompt.  Step 14 The pharmacy administrator elects to end the use case.  Step 15 The system closes the form. | |
| **OF EVENTS:** |
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| **ALTERNATE COURSES:** | Step 4a.1 The pharmacy administrator elects to cancel the operation.  Step 4a.2 The system goes to step 15. | |
| Step 9a.1 The system identifies missing or incorrect fields and prompts for completion of the entry.  Step 9a.2 The system goes to step 6. | |
| Step 10a.1 The pharmacy administrator elects to cancel the changes.  Step 10a.2 The system goes to Step 15. | |
| Step 14a.1 The pharmacy administrator elects to update another medication.  Step 14a.2 The system goes to step 2. | |
| **POST CONDITIONS:** | None | |
| **ASSUMPTIONS:** | None | |

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| **USE CASE NAME:** | Delete Medication | **USE CASE TYPE** |
| **USE CASE ID:** | 18 | **Business Requirements: 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Pharmacy Administrator | |
| **OTHER PARTICIPATING ACTORS:** | None | |
| **DESCRIPTION:** | This use case describes the pharmacy administrator deleting a selected medication’s details. | |
| **PRE-CONDITIONS:** | The pharmacy administrator has logged onto the system. | |
| **TYPICAL COURSE** | Step 1 The pharmacy administrator selects the “Delete Medication” function.  Step 2 The system displays the “Delete Medication” form.  Step 3 The system displays a list of all the medications (medication id and medication name) that are not linked to any prescriptions.  Step 4 The pharmacy administrator selects the medication who requires deleting.  Step 5 The system displays the medication’s details (medication id, medication name, and cost).  Step 6 The pharmacy administrator elects to delete the medication.  Step 7 The system deletes the medication’s details.  Step 8 The system displays the “Medication deleted successfully” message.  Step 9 The system display the “Exit or Delete another medication?” prompt.  Step 10 The pharmacy administrator elects to end the use case.  Step 11 The system closes the form. | |
| **OF EVENTS:** |
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| **ALTERNATE COURSES:** | Step 4a.1 The pharmacy administrator elects to cancel the operation.  Step 4a.2 The system goes to step 11. | |
| Step 6a.1 The pharmacy administrator elects to cancel the operation.  Step 6a.2 The system goes to step 11. | |
| Step 10a.1 The pharmacy administrator elects to delete another medication.  Step 10a.2 The system goes to step 2. | |
| **POST CONDITIONS:** | None | |
| **ASSUMPTIONS:** | None | |

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| **USE CASE NAME:** | Add Ward | **USE CASE TYPE** |
| **USE CASE ID:** | 22 | **Business Requirements: 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Facilities Administrator | |
| **OTHER PARTICIPATING ACTORS:** | None | |
| **DESCRIPTION:** | This use case describes the facilities administrator adding a ward’s details. | |
| **PRE-CONDITIONS:** | The facilities administrator has logged onto the system. | |
| **TYPICAL COURSE** | Step 1 The facilities administrator selects the “Add Ward” function.  Step 2 The system displays the “Add Ward” form with all fields blank.  Step 3 The facilities administrator enters the ward’s name, location and capacity.  Step 4 The system confirms that the details are filled in correctly.  Step 5 The facilities administrator elects to add the ward.  Step 6 The system gets a unique value for the ward id.  Step 7 The system saves the ward’s details (ward id, ward name, location, and capacity).  Step 8 The system displays the “Ward added successfully” message.  Step 9 The system displays the “Exit or Add another ward?” prompt.  Step 10 The facilities administrator elects to end the use case.  Step 11 The system closes the form. | |
| **OF EVENTS:** |
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| **ALTERNATE COURSES:** | Step 4a.1 The system identifies that the details are missing or incorrect and prompts for the completion of the details.  Step 4a.2 The system goes to step 3. | |
| Step 5a.1 The facilities administrator elects to cancel the operation.  Step 5a.2 The system goes to step 11. | |
| Step 10a.1 The facilities administrator elects to add another ward.  Step 10a.2 The system goes to step 2. | |
| **POST CONDITIONS:** | None | |
| **ASSUMPTIONS:** | None | |

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| **USE CASE NAME:** | Update Ward | **USE CASE TYPE** |
| **USE CASE ID:** | 23 | **Business Requirements: 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Facilities Administrator | |
| **OTHER PARTICIPATING ACTORS:** | None | |
| **DESCRIPTION:** | This use case describes the facilities administrator updating a selected ward’s details. | |
| **PRE-CONDITIONS:** | The facilities administrator has logged onto the system. | |
| **TYPICAL COURSE** | Step 1 The facilities administrator selects the “Update Ward” function.  Step 2 The system displays the “Update Ward” form.  Step 3 The system displays a list of all the wards (ward id and ward name).  Step 4 The facilities administrator selects the ward whose details need updating.  Step 5 The system displays the ward’s details (ward id, ward name, location, and capacity).  Step 6 The facilities administrator updates the relevant details (name, location, and capacity only).  Step 7 The facilities administrator selects to update the ward.  Step 8 The system validates the entries in the fields  Step 9 The system prompts for confirmation to change the ward’s details.  Step 10 The facilities administrator confirms the change of details.  Step 11 The system saves the ward’s details.  Step 12 The system displays the “Ward updated successfully” message.  Step 13 The system displays the “Update another ward?” prompt.  Step 14 The facilities administrator elects to end the use case.  Step 15 The system closes the form. | |
| **OF EVENTS:** |
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| **ALTERNATE COURSES:** | Step 4a.1 The facilities administrator elects to cancel the operation.  Step 4a.2 The system goes to step 15. | |
| Step 9a.1 The system identifies missing or incorrect fields and prompts for completion of the entry.  Step 9a.2 The system goes to step 6. | |
| Step 10a.1 The facilities administrator elect to cancel the changes.  Step 10a.2 The system goes to step 15. | |
| Step 14a.1 The facilities administrator elects to update another ward.  Step 14a.2 The system goes to step 2. | |
| **POST CONDITIONS:** | None | |
| **ASSUMPTIONS:** | None | |

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| **USE CASE NAME:** | Delete Ward | **USE CASE TYPE** |
| **USE CASE ID:** | 24 | **Business Requirements: 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Facilities Administrator | |
| **OTHER PARTICIPATING ACTORS:** | None | |
| **DESCRIPTION:** | This use case describes the facilities administrator deleting a selected ward’s details. | |
| **PRE-CONDITIONS:** | The facilities administrator has logged onto the system. | |
| **TYPICAL COURSE** | Step 1 The facilities administrator selects the “Delete Ward” function.  Step 2 The system displays the “Delete Ward” form.  Step 3 The system displays a list of all the wards (ward id, and name) that are not linked to any admissions.  Step 4 The facilities administrator selects the ward who requires deleting.  Step 5 The system displays the ward’s details (ward id, name, location and capacity).  Step 6 The facilities administrator elects to delete the ward.  Step 7 The system deletes the ward’s details.  Step 8 The system displays the “Ward deleted successfully” message.  Step 9 The system displays the “Delete another ward?” prompt.  Step 10 The facilities administrator elects to end the use case.  Step 11 The system closes the form. | |
| **OF EVENTS:** |
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| **ALTERNATE COURSES:** | Step 4a.1 The facilities administrator elects to cancel the operation.  Step 4a.2 The system goes to step 10. | |
| Step 6a.1 The facilities administrator elects to cancel the operation.  Step 6a.2 The system goes to step 10. | |
| Step 10a.1 The facilities administrator elects to delete another ward.  Step 10a.2 The system goes to step 2. | |
| **POST CONDITIONS:** | None | |
| **ASSUMPTIONS:** | None | |

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| **USE CASE NAME:** | Produce Wards Report | **USE CASE TYPE** |
| **USE CASE ID:** | 25 | **Business Requirements: 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Facilities Administrator | |
| **OTHER PARTICIPATING ACTORS:** | None | |
| **DESCRIPTION:** | This use case describes the facilities administrator producing the wards report. | |
| **PRE-CONDITIONS:** | The facilities administrator has logged onto the system. | |
| **TYPICAL COURSE** | Step 1 The facilities administrator selects the “Produce Wards Report” function.  Step 2 The system displays the “Wards Report” form.  Step 3 The facilities administrator selects the option to generate the report.  Step 4 The system gets the details (ward id, ward name, location, and capacity) of each ward.  Step 5 The system gets all of the current admissions linked to each ward.  Step 6 The system gets the details (patient id, last name, and first name) of the patient linked to each admission.  Step 7 The system displays the wards report (ward id, ward name, location, and capacity) plus patient id, last name, and first name (for each current admission) for each ward sorted by ward name.  Step 8 The facilities administrator concludes the use case.  Step 9 The system closes the form. | |
| **OF EVENTS:** |
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| **ALTERNATE COURSES:** | Step 3a.1 The facilities administrator elects to cancel, without generating the report.  Step 3a.2 The system goes to step 9 | |
| **POST CONDITIONS:** | None | |
| **ASSUMPTIONS:** | None | |

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| **USE CASE NAME:** | Close Admission | **USE CASE TYPE** |
| **USE CASE ID:** | 26 | **Business Requirements: 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Assistant Administrator | |
| **OTHER PARTICIPATING ACTORS:** | None | |
| **DESCRIPTION:** | This use case describes the assistant administrator closing a selected admission. | |
| **PRE-CONDITIONS:** | The assistant administrator has logged onto the system. | |
| **TYPICAL COURSE** | Step 1 The assistant administrator selects the “Close Admission” function.  Step 2 The system displays the “Close Admission” form.  Step 3 The system displays a list of all the billed admissions (admission id and description) that have payments.  Step 4 The assistant administrator selects the admission to close.  Step 5 The system displays the admission’s details (admission id, description, and admission date).  Step 6 The assistant administrator elects to close the admission.  Step 7 The system gets the amount, medication and cost from each prescription for the admission.  Step 8 The system gets the fee for each doctor allocated to the admission.  Step 9 The system calculates the amount due by summing the product of each prescription’s amount and medication’s cost and adding it to the sum of the doctor’s fees.  Step 10 The system calculates the amount paid (the sum of all payments made) on the admission.  Step 11 The system check that the amount due is equal to or less than the amount paid.  Step 12 The system updates the status of the admission to closed.  Step 13 The system deletes all allocations related to the admission.  Step 14 The system deletes all prescriptions related to the admission.  Step 15 The system displays the message “Admission closed successfully”.  Step 16 The system displays the “Exit” or “Close another admission” prompt.  Step 17 The assistant administrator elects to end the use case.  Step 18 The system closes the form. | |
| **OF EVENTS:** |
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| **ALTERNATE COURSES:** | Step 4a.1 The assistant administrator elects to cancel the operation.  Step 4a.2 The system goes to step 18. | |
| Step 12a.1 The system, having determined that the amount due is greater than the amount paid, displays the message “Full payment has not been made yet.”  Step 12a.2 The system goes to step 2. | |
| Step 17a.1 The assistant administrator elects to close another admission.  Step 17a.2 The system goes to step 2. | |
| **POST CONDITIONS:** | The admission’s status is set to closed. | |
| **ASSUMPTIONS:** | None | |