**Use Cases**

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| Maintaining Returning Patient | |
| **Identifier** | UC-1 |
| **Description** | Process to maintain a patient. |
| **Actor(s)** | Nurse, Clerk |
| **Preconditions** | * Patient is a returning patient to the hospital. * Does not have state insurance. |
| **Flow of Events** | 1. The patient meets with the *nurse/clerk* to update their information in the system. 2. The *nurse/clerk* proceeds to patient check-in |
| **Post Conditions** | * *Patient* is updated * Patient is ready to be checked in. |

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| Register New Patient | |
| **Identifier** | UC-2 |
| **Description** | Process to register a new patient. |
| **Actor(s)** | Nurse, Clerk |
| **Preconditions** | * Patient is a new patient to the hospital. * Does not have state insurance. |
| **Flow of Events** | 1. The *nurse/clerk* asks for all required information from the patient. 2. The *patient* presents all required information to the *nurse/clerk*. 3. The *nurse/clerk* inputs all the information into the system. 4. The *nurse/clerk* proceeds to patient check in. |
| **Post Conditions** | * *Patient* is now in the system and is ready to be checked into the system. |
| **Alternate Flow** | 1. The *patient* does not have all required information to be added into the database. 2. The *nurse/clerk* does not create *patient* in system*.* |
| **Post Conditions** | * The *patient* cannot be created in the system till all patient information is present. |

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| Create New Patient ID | |
| **Identifier** | UC-3 |
| **Description** | Process to create a patient id card. |
| **Actor(s)** | Nurse, Clerk |
| **Preconditions** | * Patient was just created/added into the system. |
| **Flow of Events** | 1. The *nurse/clerk* selects print patient ID card. 2. The card is printed. 3. The *nurse/clerk* gives the *patient* there new ID card. |
| **Post Conditions** | * The *patient* now has a patient ID card for their next visit. |

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| Check-in Patient | |
| **Identifier** | UC-4 |
| **Description** | Process to check-in a patient. |
| **Actor(s)** | Nurse, Clerk |
| **Preconditions** | * Patient is a returning patient. * Patient has up to date information. |
| **Flow of Events** | 1. The *nurse/clerk* asks if patient is state insured. 2. The *patient* says no. 3. The *nurse/clerk* validates that all previous information was completed. 4. The *nurse/clerk* submits patient to the system. 5. The *patient* sits and waits to be seen. |
| **Post Conditions** | * The *patient* is now ready to see the *nurse.* |
| **Alternate Flow** | 1. The *patient* says that they are state insured. 2. The *nurse/clerk* informs patient of requirement of payment for service. 3. The *patient* cancels seeing the doctor. |
| **Post Conditions** | * The patient has decided to not see the doctor. |

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| Generate Reports | |
| **Identifier** | UC-5 |
| **Description** | Process to generate reports. |
| **Actor(s)** | Nurse, Doctor |
| **Preconditions** | * Need a report generated before a automated report is scheduled. |
| **Flow of Events** | 1. The *doctor* or *nurse* selects what type of report needed. 2. The doctor or *nurse* selects what type of output for the file (printed or saved to system). 3. The *doctor* or nurse submits report request. |
| **Post Conditions** | * Report is generated and is printed or saved to the system. |

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| View Reports | |
| **Identifier** | UC-6 |
| **Description** | Process to view reports. |
| **Actor(s)** | Doctor |
| **Preconditions** | * Report has already been submitted in the system. |
| **Flow of Events** | 1. The *doctor* logs into the system. 2. The *doctor* browses the report file for the reports. 3. The *doctor* than can review and report submitted. |
| **Post Conditions** | * The doctor can view all reports on the system. |

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| Record Vitals | |
| **Identifier** | UC-7 |
| **Description** | Process to take vitals. |
| **Actor(s)** | Nurse, Patient |
| **Preconditions** | * Patient is checked in. |
| **Flow of Events** | 1. The *nurse* takes all required vitals from the patient. 2. The *patient* explains reason for visit. 3. The *nurse* inputs all gathered information into the system. |
| **Post Conditions** | * Patient is all ready to see the doctor. |

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| Patient Records | |
| **Identifier** | UC-8 |
| **Description** | Process to view and input into patient records. |
| **Actor(s)** | Doctor |
| **Preconditions** | * Patient has been checked in. * Patient has seen the nurse. * The nurse has submitted vitals to doctor. |
| **Flow of Events** | 1. The *doctor* logs into the system. 2. The *doctor* selects current patient. 3. The *doctor* views patient stats. 4. The *doctor* does his *patient* evaluation. 5. The *doctor* updates *patient* history, diagnosis, and adds any notes to the *patient* records. |
| **Post Conditions** | * The doctors charting is complete. |

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| Issue Percription | |
| **Identifier** | UC-9 |
| **Description** | Process to issue a prescription. |
| **Actor(s)** | Doctor |
| **Preconditions** | * The *doctor* has seen the patient. * The *doctor* has come up with a diagnosis. |
| **Flow of Events** | 1. *Doctor* inputs prescription details. 2. *Doctor* validates prescription to patient. 3. *Doctor* submits prescription into system. |
| **Post Conditions** | * Patient can go pick up prescription at the front clerk. |

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| Patient Billing | |
| **Identifier** | UC-10 |
| **Description** | Process to charge a patient for services. |
| **Actor(s)** | Clerk |
| **Preconditions** | * Patient has seen the doctor |
| **Flow of Events** |  |
| **Post Conditions** | * The patient’s bill is paid. |

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| Schedule Appointment | |
| **Identifier** | UC-11 |
| **Description** | Process to schedule an appointment. |
| **Actor(s)** | Clerk, Patient |
| **Preconditions** | * Patient wants to set up a appointment |
| **Flow of Events** | 1. *Patient* requests an appointment. 2. *Clerk* gives patient all times available for appointments. 3. *Patient* confirms date and time. 4. *Clerk* submits appointment into system. |
| **Post Conditions** | * Patient is scheduled for an appointment. |

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| Emergency Patient Check-in | |
| **Identifier** | UC-12 |
| **Description** | Process to check-in an emergency patient. |
| **Actor(s)** | Clerk, Nurse |
| **Preconditions** | * Patient is rushed into hospital. * Patient cannot go through the normal check-in process. |
| **Flow of Events** | 1. *Patient* is rushed into the hospital. 2. *Nurse/clerk* rushes patient to nurse. 3. *Nurse/clerk* gathers any patient information as possible to enter into the system. 4. *Patient* proceeds without being checked into the system. |
| **Post Conditions** | * Patient is rushed passes normal patient check-in. |