**Deliverable 2**

**Envision Health**

**Will and Katie**

**GitHub:**

**NurseGetsInitialVitals**

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| **Participating Actor Instances** | Charlie:Nurse |
| **Flow of Events** | 1. Patient arrives in the ER for the first time.  2. Nurse gets initial biometric data such as height, weight, blood pressure, blood oxygen levels, temperature, heart rate, respiration rate.  3. Nurse logs in to system  4. Nurse activates “Submit Vital” function  5. System pops up dialog box.  6. Nurse enters and submits information.  7. System confirms data entry.  8. Nurse receives confirmation. |

**Scenario Name**

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**EnterPatientInfo**

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| Participating Actors | Initiated by *Receptionist*  Communicates with *System* |
| Flow of Events | 1. *Receptionist* selects interface option to create a new patient.  2. *System* opens a dialog box where information can be entered  3. *Receptionist* enters patient information and clicks submit button.  4. *System* receives form, and responds to *Receptionist* with acknowledgment. |
| Entry Conditions | The *Receptionist* is logged into *System.* |
| Exit Conditions | The *Receptionist* has received confirmation from *System* that the information has been entered into the database, OR  The *Receptionist* has received an explanation as to why the information could not be entered. |
| Quality requirements | The *Receptionist’s* form submission is acknowledged within 1 minute. |

**EnterVitals**

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| Participating Actors | Initiated by *Nurse*  Communicates with *System* |
| Flow of Events | 1. *Nurse* has sheet of biometric data, selects interface option to enter vitals.  2. *System* opens a dialog box where information can be entered  3. *Nurse* enters vitals into form.  4. *System* receives form, and responds to *Nurse* with acknowledgment. |
| Entry Conditions | The *Nurse* is logged into *System* |
| Exit Conditions | The *Nurse* has received confirmation from *System* that the information has been entered into the database, OR  The *Nurse* has received an explanation as to why the information could not be entered. |
| Quality requirements | The *Nurse’s* form submission is acknowledged within 1 minute. |

**OrderLabs**

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| Participating Actors | Initiated by *Nurse*  Communicates with *System* |
| Flow of Events | 1. *Nurse* selects interface option to order labs/ tests.  2. *System* opens a dialog box where lab/ test to be ordered can be selected and the patient ID can be entered.  3. *Nurse* selects the test and enters patient ID.  4. *System* receives order, and responds to *Nurse* with acknowledgment. |
| Entry Conditions | The *Nurse* is logged into *System* |
| Exit Conditions | The *Nurse* has received confirmation from *System* that the order has been sent to the system OR  The *Nurse* has received an explanation as to why the order could not be made. |
| Quality requirements | The *Nurse’s* lab order is acknowledged within 1 minute. |

**EnterDischargeInstructions**

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| Participating Actors | Initiated by *Nurse*  Communicates with *System* |
| Flow of Events | 1. *Nurse* selects interface option to enter instructions for discharge.  2. *System* opens a dialog box where patient ID can be entered and discharge instructions written..  3. *Nurse* enters instructions and patient ID.  4. *System* receives form, and responds to *Nurse* with acknowledgment. |
| Entry Conditions | The *Nurse* is logged into *System* |
| Exit Conditions | The *Nurse* has received confirmation from *System* that the form has been entered into the database, OR  The *Nurse* has received an explanation as to why the form could not be entered. |
| Quality requirements | The *Nurse’s* form submission is acknowledged within 1 minute. |

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**Exceptions**

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| **UC 1 Exception Name** | **Description** |
| **IncompleteForm** | **Extends EnterPatientInfo, EnterPatientVitals, OrderLabs EnterVitals, EnterDischargeInstructions.** User attempts to submit form without all required information entered. *Handled by restarting action and warning user about missing information* |
| **PatientNotFound** | **Extends EnterPatientVitals, OrderLabs EnterVitals, EnterDischargeInstructions.** User attempts to complete patient-related functions on a non-existent patient. *Handled by restarting action and warning user about patient not being found in the system.* |
| **Timeout** | **Extends EnterPatientInfo, EnterPatientVitals, OrderLabsmEnterVitals, EnterDischargeInstructions.** User fails to complete transaction before timer runs out. *Handled by canceling transaction.* |
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