**Deliverable 5**

**Envision Health**

**Will and Katie**

**GitHub:** [**https://github.com/Kburgan1006/CS460W-Project**](https://github.com/Kburgan1006/CS460W-Project)

**Test Cases:**

**Enter Patient Information**

|  |  |
| --- | --- |
| **Name:** | enterPatientInfo |
| **Entry Condition:** | Initiated by Receptionist/ER Staff |
| **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.* |
| **Exit Condition:** | 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. |
| **Pass or Fail:** | PASS |

**Request Discharge Papers**

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| **Name:** | requestDischargePapers |
| **Entry Condition:** | Initiated by Receptionist/ER Staff |
| **Flow of Events:** | 1. Receptionist clicks “Generate Bill and Discharge Papers” option from discharge screen of patient. 2. *System responds by collecting nights stayed, tests/labs performed, and medications prescribed. Then generates bill with that information.* 3. *System then pulls discharge information and generates a file with that information as well.* 4. Receptionist receives both generated files. |
| **Exit Condition:** | 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. |
| **Pass or Fail:** |  |

**Enter Vitals**

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| **Name:** | enterVitals |
| **Entry Condition:** | Initiated by Nurse |
| **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.* |
| **Exit Condition:** | 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. |
| **Pass or Fail:** | PASS |

**Order Labs**

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| **Name:** | orderLabs |
| **Entry Condition:** | Initiated by Nurse |
| **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.* |
| **Exit Condition:** | 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. |
| **Pass or Fail:** | PASS |

**Enter Discharge Instructions**

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| --- | --- |
| **Name:** | enterDischargeInstructions |
| **Entry Condition:** | Initiated by Nurse |
| **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.* |
| **Exit Condition:** | 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. |
| **Pass or Fail:** | The *Nurse’s* form submission is acknowledged within 1 minute.      PASS |

**Prescribing Medication**

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| **Name:** | prescribingMedication |
| **Entry Condition::** | Initiated by Doctor |
| **Flow of Events:** | 1. Doctor opens “Add New Prescription” option from menu bar. 2. *System responds by presenting a form to the Doctor.* 3. Doctor completes form by entering prescription amount, medication to be take, and instructions for prescription. The doctor then submits the form. 4. *System receives the form, submits info to database, and sends confirmation to doctor.* |
| **Entry Condition:** | The Doctor is logged into System |
| **Exit Condition:** | The *Doctor* has received confirmation from *System* that the information has been entered into the database, OR  The *Doctor* has received an explanation as to why the information could not be entered. |
| **Pass or Fail:** | PASS |

**Diagnosing Problem**

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| --- | --- |
| **Name:** | diagnosingProblem |
| **Entry Condition::** | Initiated by Doctor |
| **Flow of Events:** | 1. Doctor opens “Add Diagnosis” option from menu bar. 2. *System responds by presenting a form to the Doctor.* 3. Doctor completes form by entering their diagnosis. The doctor then submits the form. 4. *System receives the form, submits info to database, and sends confirmation to doctor.* |
| **Entry Condition:** | Doctor is logged into System |
| **Exit Condition:** | The *Doctor* has received confirmation from *System* that the information has been entered into the database, OR  The *Doctor* has received an explanation as to why the information could not be entered. |
| **Pass or Fail:** | PASS |

**Order Discharge**

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| --- | --- |
| **Name:** | orderDischarge |
| **Entry Condition::** | Initiated by Doctor |
| **Flow of Events:** | 1. Doctor opens “Mark for Discharge” option from menu bar. 2. *System responds by presenting a form to the Doctor.* 3. Doctor completes form by entering their Discharge instructions and marking patient for discharge. The doctor then submits the form. 4. *System receives the form, submits info to database, and sends confirmation to doctor.* |
| **Entry Condition:** | Doctor is logged into System |
| **Exit Condition:** | The *Doctor* has received confirmation from *System* that the information has been received by the database, OR  The *Doctor* has received an explanation as to why the information could not be. |
| **Pass or Fail:** | PASS |