Test List Amide PDMS

(optional)…. Not in customer requirements

GUI Buttons login/main/read current pat/ecg/pat data/create pat/search pat/edit pat

* **Preconditions**

Respective GUI Designs have been finished

Each Button has some form of feedback to a click

* **Description of test steps**

Press each button, check if feedback happens

* **Expected outcome**

Feedback / Buttons working

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| All Buttons working |  |  |

SQL databases

* **Preconditions**

Databases are finished

* **Description of test steps**

Check if read/write works for each set of data (optional:deleted)

Try to create a ECG without a connected pat

* **Expected outcome**

Everything can be read from and wrote to (optional:deleted)

ECG without pat should not work

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Multiple User data sets, including hex values of cards, can be read, wrote (optional: deleted) |  |  |
| Multiple Patient data sets can be read, wrote (optional: deleted) |  |  |
| Multiple ECG data sets can be read, wrote (optional: deleted) |  |  |
| Each ecg is linked to exactly one patient |  |  |

SQL connector

* **Preconditions**

Connector finished

Databases finished

For GUI parts: GUI finished

* **Description of test steps**

Press each button, check if feedback happens

* **Expected outcome**

Feedback / Buttons working

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Working method so user data can be read, wrote (optional: deleted) |  |  |
| Working method so patient data can be read, wrote (optional: deleted) |  |  |
| Working method so ECG data can be read, wrote (optional: deleted) |  |  |
| Working method so patient and ecg databases can be searched via GUI and selected data can be read, wrote (optional: deleted) |  |  |
| If admin has GUI: Working method so user database can be searched via terminal and selected data can be read, wrote (optional: deleted) |  |  |
| If admin has no GUI: Working method so patient and ecg databases can be searched via terminal and selected data can be read, wrote (optional: deleted) |  |  |

Login E-Card

* **Preconditions**

GIN Access working

E-Card Login Window working

User DB working

SQL connector working

* **Description of test steps**

Try to login

* **Expected outcome**

Login successful

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Works with 2 different e-cards |  |  |
| Works for the different roles |  |  |

Login ID-Card

* **Preconditions**

ID-Card Login Window working

User DB working

SQL connector working

* **Description of test steps**

Try to login

* **Expected outcome**

Login successful

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Works with 2 different id-cards |  |  |
| Works for the different roles |  |  |

Login Password

* **Preconditions**

PW Login Window working

User DB working

SQL connector working

* **Description of test steps**

Try to login

* **Expected outcome**

Login successful

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Works with 2 different User/PW |  |  |
| Works for the different roles |  |  |

Main Window Nurse

* **Preconditions**

Read cur pat UI done

Pat data UI done

ECG data UI done

* **Description of test steps**

Try accessing the windows

* **Expected outcome**

Access successful

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Button opens window read cur pat |  |  |
| Button opens window pat data |  |  |
| Button opens window ecg data |  |  |

Main Window Patient

* **Preconditions**

Read cur pat UI done

Pat data UI done

ECG data UI done

* **Description of test steps**

Try accessing the windows

* **Expected outcome**

Access successful

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Button opens window read cur pat |  |  |
| Button opens window pat data |  |  |
| Button opens window ecg data |  |  |

Main Window Physician

* **Preconditions**

Read cur pat UI done

Pat data UI done

ECG data UI done

Search Pat UI done

Create Pat UI done

Edit Pat UI done

* **Description of test steps**

Try accessing the windows

* **Expected outcome**

Access successful

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Button opens window read cur pat |  |  |
| Button opens window pat data |  |  |
| Button opens window ecg data |  |  |
| Button open window search pat |  |  |
| Button open window Create Pat |  |  |
| Button open window Edit Pat |  |  |

Main Window Admin

* **Preconditions**

Read cur pat UI done

Pat data UI done

ECG data UI done

Search Pat UI done

Create Pat UI done

Edit Pat UI done

Terminal accessible

* **Description of test steps**

Try accessing the windows

* **Expected outcome**

Access succesful

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Button opens window read cur pat |  |  |
| Button opens window pat data |  |  |
| Button opens window ecg data |  |  |
| Button open window search pat |  |  |
| Button open window Create Pat |  |  |
| Button open window Edit Pat |  |  |
| Button opens terminal |  |  |

Terminal

* **Preconditions**

DB done

Connector done

* **Description of test steps**

Read and write (optional: delete) user data

optional: delete ecg data

optional: delete pat data

* **Expected outcome**

Data handling successful

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| User data can be read, wrote |  |  |
| Optional: User data can be deleted |  |  |
| Optional: deletion of: ECG, Patient data |  |  |

Read current patient window

* **Preconditions**

GIN-Access

DB working

Connector working

* **Description of test steps**

Try loading pat data GIN

* **Expected outcome**

Access successful

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Works with 2 different e-cards |  |  |
| For role patient only accepts same ecard as the one patient logged in with |  |  |
| Optional: Can read another e-card when opened again after reading a card |  |  |

ECG-Window

* **Preconditions**

DB working

Connector working

ECG was loaded via Create Pat or Edit Pat window

* **Description of test steps**

Open window with ECG loaded and without

* **Expected outcome**

Shows ECG as it should

Does not crash if no ECG loaded

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Displays 5 minutes or more of ecg if data is available |  |  |
| Empty if no patient/ecg data loaded |  |  |

Display Patient Data Window

* **Preconditions**

DB working

Connector working

DB filled

* **Description of test steps**

See if data is displayed correctly

* **Expected outcome**

Data is displayed correctly

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Shows demographic data of current patient |  |  |
| Works after changing patient |  |  |
| If with textfield: shows textfield |  |  |

Create Patient Window

* **Preconditions**

DB working

Connector working

GIN working

Display Patient working

* **Description of test steps**

Create a patient

* **Expected outcome**

Patient data can be shown in Display Patient Window

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Works with 2 different E-Cards |  |  |
| Optional in create pat window: USB file manager working |  |  |
| Optional in create pat window: Can add one and multiple ECGs to a patient |  |  |

Search Patient Window

* **Preconditions**

DB working

Connector working

Display patient working

* **Description of test steps**

Search for a patient

* **Expected outcome**

Patient can be found in a list and loaded

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Shows Name, optional: more data, of patients |  |  |
| Patient data of 2 different patients can be loaded |  |  |

Edit Patient Text Info Window

* **Preconditions**

DB working

Connector working

DB filled

ECG Display working

* **Description of test steps**

Edit patient data, add ECG

* **Expected outcome**

Patient data can be edited

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| Works with 2 different patients |  |  |
| Patient data of 2 different patients can be loaded |  |  |
| USB file manager working |  |  |
| Can add one and multiple ECGs to a patient |  |  |
| If with textfield: show/edit textfield |  |  |

(optional) Logout

* **Preconditions**

Everything else is working

* **Description of test steps**

Test functions of program after logging in again

* **Expected outcome**

Everything works

* **Pass / Fail criteria checklist**

|  |  |  |
| --- | --- | --- |
| Test | Pass | Fail |
| All functions work after logging in again |  |  |