PAT Task

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developer



Testing Document

MediSeek Hospital Management System

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# **Evaluation of Solution**

I would consider my project to be rather seamless and a great programme just a few elements short of being consumer ready. The multifaceted problems that can be addressed when referring to the efficiency of the functioning within MediSeek Facilities such as needing to manage and update the files of the hospital when need be. Medical professionals are to check, diagnose and discharge multiple patients, as well as schedule new appointments. These professionals work in different departments and are based in different residences throughout the country as well. The correct Medicines should be given to the patients which the patients should accurately be billed for. Mediseek will allow for administrative caretakers to keep track of all the tangibles of their own organisation as well as have the access to view the information of medical personnel working at other care centres, acting as a directory as well. There is a need to constantly be aware of patient’s prior health history, prescribed treatments, inventory management, upcoming scheduled appointments, diagnosis and many more so ensuring that this information is consistent and accurate at all times for every single life under care is essential.

Initially the programme was to include all the functionality that it ended up achieving perfectly with negligible shortcomings. With combination with the eye-friendly colours, the level of depth within the functionality of the programme as well as the user-friendly interface the HMS works for the user . In terms of shortcomings [1] Physical user input into fields – the programme could have more combo boxes to, not only allow the interface to look more cohesive, but to allow for less effort from the user. [2] Error Messages – the programme could have more accurate descriptions to allow for no error input in the database and more uniformity. This can also be solved using combo boxes with fixed input in some areas. [3] I could have added more functions that could enrich the user experiences such as error sounds and descriptive error message icons. [4] Better data validation to increase the amount of error that could be produced such as including more methods check for excess of word length(such as a minimum and a maximum for input).[5] There should have been a check on all Staff and Patient IDs to avoid any clashes; though these clashes are extremely unlikely based on the format requirements of all the IDs but they are possible so adding a check in the existence of these IDs would make the program more robust [6] Last but not least, the admin page could have better functionality such as tabs that collect data regarding HR and complaints.

# Explanation of Fields [for interest sake]

## Login GUIs

### Respective Login Pages

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Input Component** | **Reason for Input Component** | **Data Validation - Name of Rule** | **Reason for Data Validation** |
| Staff\_ID:String | Text Field | User needs to put in their identification credentials in order to bypass the security(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank |
| Password: String | Text Field | User needs to put in their identification credentials in order to bypass the security(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank |

## Main GUIs

## VIEW AND ADD Patients Tabs for Administrator, Doctor and Pharmacist

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Input Component** | **Reason for Input Component** | **Data Validation - Name of Rule** | **Reason for Data Validation** |
| Patient\_ID: String | Text Field | User needs to put in whoever’s identification credentials in order to source their information(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank if search is required but will automatically be filled if record Is selected. Also acts as reference for updates |
| Sex: String | Text Field | User’s surname from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Genders can only contain letters |
| Specialty: String | Text Field | User’s Specialty from record attached to the ID. This is for view but also alteration if needed be | Presence Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Specific codes are allocated within the databases that are two letters, no numbers |
| MedicalAid: Boolean | Check Box | User needs to put in save the symptoms of the patient for later referral and developmental reasons(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank |
| Symptoms:String | Text Field | User needs to put in save the symptoms of the patient for later referral and developmental reasons(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank |
| Prescriptions:String | Text Field | User needs to put in save the prescription of the patient for later referral and developmental reasons on their conditions(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank. Will lead to null errors when save is attempted |
| Name:String | Text Field | User’s name from record attached to the ID. This is for view but also alteration if needed be | Presence | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Governmental Names can only contain letters |
| Surname:String | Text Field | User’s surname from record attached to the ID. This is for view but also alteration if needed be | Presence | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Governmental Names can only contain letters |

### View Patients Tab for Receptionist GUI

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Input Component** | **Reason for Input Component** | **Data Validation - Name of Rule** | **Reason for Data Validation** |
| Patients\_ID:String | Text Field | User needs to put in whoever’s identification credentials in order to source their information(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank if search is required but will automatically be filled if record Is selected. Also acts as reference for updates |
| Sex:String | Text Field | User’s surname from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Genders can only contain letters |
| Specialty:String | Text Field | User’s Specialty from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Specific codes are allocated within the databases that are two letters, no numbers |
| MedicalAid:boolean | Check Box | User needs to put in save the symptoms of the patient for later referral and developmental reasons(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank |
| Symptoms:String | Text Field | User needs to put in save the symptoms of the patient for later referral and developmental reasons(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank |
| Prescriptions:String | Text Field | User needs to put in save the prescription of the patient for later referral and developmental reasons on their conditions(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank. Will lead to null errors when save is attempted |
| Name:String | Text Field | User’s name from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Governmental Names can only contain letters |
| Surname:String | Text Field | User’s surname from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Governmental Names can only contain letters |

### View Patient History Tabs for Doctor, Receptionist and Pharmacists

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Input Component** | **Reason for Input Component** | **Data Validation - Name of Rule** | **Reason for Data Validation** |
| Patient\_ID:String | Text Field | User needs to put in patient’s ID in order to source their information(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank if search is required but will automatically be filled if record Is selected. |

### Personal Information Tab for Doctor, Receptionist, Pharmacist and Administrator

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Input Component** | **Reason for Input Component** | **Data Validation - Name of Rule** | **Reason for Data Validation** |
| Staff\_ID:String | Text Field | Display the User’s identification credentials in order to source their information(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank if search is required but will automatically be filled if record Is selected. Also acts as reference for updates |
| Contact No:String | Text Field | Display the User’s Contact Number from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a value is left in the record provided user chooses to change it |
| Password:String | Text Field | Display the User’s password in order to source their information(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank if search is required but will automatically be filled if record Is selected. Also acts as reference for updates |
| Sex:String | Text Field | Display the User’s surname from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Genders can only contain letters |
| Specialty:String | Text Field | Display the User’s Specialty from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Specific codes are allocated within the databases that are two letters, no numbers |
| Job Description:String | Text Field | Display the User’s s Job Description from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Specific codes are allocated within the databases that are two letters, no numbers |
| Residence:String | Text Field | Display the User’s Residence in which they are actively working will be displayed here; attached to the ID(String works best for this) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank |
| Qualifications:String | Text Field | Display the User’s Qualifications for view but alteration if need be(String works best for this) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank. Will lead to null errors when save is attempted |
| Name:String | Text Field | Display the User’s name from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Governmental Names can only contain letters |
| Surname:String | Text Field | Display the User’s surname from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Governmental Names can only contain letters |

### Issue Prescription Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Input Component** | **Reason for Input Component** | **Data Validation - Name of Rule** | **Reason for Data Validation** |
| Quantity:int  X4 | JSpinner | Collect user input with regards to how much of a particular medicine is between 1-5 required(int works best for this) | None | None |
| Cost:int  Total:int  X4 | Text Field | Display the respective total of their purchase | None | None |
| Medicine: String | Combo Box | Collect user input with regards which medicine they will be prescribed() | None | None |
| Patient\_ID:String | Text Field | Display the Patient’s identification credentials in order to source their information(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank if search is required but will automatically be filled if record Is selected. Also acts as reference for updates |

### Add an Appointment Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Input Component** | **Reason for Input Component** | **Data Validation - Name of Rule** | **Reason for Data Validation** |
| Patient\_ID:String | Text Field | User needs to put in Patient’s identification credentials in order to source their information(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank if search is required but will automatically be filled if record Is selected. Also acts as reference for updates |
| Staff\_ID:String | Text Field | User needs to put in Staff Member’s identification credentials in order to source their information(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank if search is required but will automatically be filled if record Is selected. Also acts as reference for updates |
| Date:LocalDate | JDateChooser | User needs to put in Patient’s identification credentials in order to source their information(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank if search is required but will automatically be filled if record Is selected. Also acts as reference for updates |
| Time: String | Combo Box | Collect user input with regards to the time of the appointment | None | None |
| Symptoms Experienced: String | Text Field | Collect the respective patient’s Symptoms(String works best for this) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank |

### VIEW AND ADD Staff Tab for Receptionist and Administrator

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Input Component** | **Reason for Input Component** | **Data Validation - Name of Rule** | **Reason for Data Validation** |
| Staff\_ID: String | Text Field | Display the staff member’s identification credentials in order to source their information(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank if search is required but will automatically be filled if record Is selected. Also acts as reference for updates |
| Contact No:String | Text Field | Display the staff member’s Contact Number from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a value is left in the record provided user chooses to change it |
| Password:String | Text Field | Display the staff member’s password in order to source their information(String works best for this as it is a both a number and letter) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank if search is required but will automatically be filled if record Is selected. Also acts as reference for updates |
| Sex:String | Text Field | Display the staff member’s surname from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Genders can only contain letters |
| Specialty:String | Text Field | Display the staff member’s Specialty from record attached to the ID. This is for view but also alteration if needed be | Presence | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Specific codes are allocated within the databases that are two letters, no numbers |
| Job Description:String | Text Field | Display the staff member’s Job Description from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Specific codes are allocated within the databases that are two letters, no numbers |
| Residence:String | Text Field | Display the staff member’s Residence in which they are actively working will be displayed here; attached to the ID(String works best for this) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank |
| Qualifications:String | Text Field | Display the staff member’s Qualifications for view but alteration if need be(String works best for this) | Presence Check | To ensure the user inputs something for the program to read. This field cannot be left blank. Will lead to null errors when save is attempted |
| Name:String | Text Field | Display the staff member’s name from record attached to the ID. This is for view but also alteration if needed be | Presence  Check | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Governmental Names can only contain letters |
| Surname: String | Text Field | Display the staff member’s surname from record attached to the ID. This is for view but also alteration if needed be | Presence | To ensure a character is left in the record provided user chooses to change it |
| Contains a Number | Governmental Names can only contaim letters |

# **Test Plan**

## Login Pages

### Respective Login Pages

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Error Type** | **Description of Error** | **Example Input** | **Response/Error Message** |
| Staff\_ID: String | Extreme | No value entered |  | LOGIN FAILED Please ensure that both the STAFF ID and PASSWORD have been entered before trying to proceed. |
|  |
| Erroneous | Value entered does not exist | HappyBirthday123 | Staff ID does not exist |
| Normal | Meets all criteria | fab-109 | N/A |
| Password: String | Extreme | No value entered |  | LOGIN FAILED Please ensure that both the STAFF ID and PASSWORD have been entered before trying to proceed. |
|  |  |
|  | Erroneous | Value entered does not exist | Password | Password is Incorrect |
|  | Normal | Meets all criteria | AlBo@p109 | N/A |

## Main GUIs

### VIEW AND ADD Patients Tabs for Administrator, Doctor and Pharmacist

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Error Type** | **Description of Error** | **Example Input** | **Response/Error Message** |
| Patient\_ID: String | Extreme | No value entered |  | Please input a patient ID |
|  |
| Erroneous | Value entered does not exist | HappyBirthday123 | No Results |
| Normal | Meets all criteria | P320 | N/A |
| Name: String | Extreme | No value entered |  | Please ensure that all fields are filled |
|  |
| Erroneous | Number entered | William1 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | Meets all criteria | William | N/A |
| Surname: String | Extreme | No value entered |  | Please ensure that all fields are filled |
|  |
| Erroneous | Number entered | Masters1 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | Meets all criteria | Masters | N/A |
| Sex: String | Extreme | No value entered |  | Please ensure that all fields are filled |
|  |
| Erroneous | Number entered | 12 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | Meets all criteria | f | N/A |
| Specialty Code: String | Extreme | No value entered |  | Please ensure that all fields are filled |
|  |
| Erroneous | Number entered | CA2 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | Meets all criteria | CA | N/A |
| Symptoms: String | Extreme | No value entered |  | Please ensure that all fields are filled. |
|  |
| Normal | Meets all criteria | Skin irritation and Large red blotches on back with slight cough as well. | N/A |
| Prescription: String | Extreme | No value entered |  | Please ensure that all fields are filled. |
|  |  |
|  | Normal | Meets all criteria | 2 bottles of Panado and Iliadan. | N/A |

### View Patients Tab for Receptionist GUI

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | | **Error Type** | | **Description of Error** | | **Example Input** | **Response/Error Message** |
| Patient\_ID: String | | Extreme | | No value entered | |  | Please input a patient ID |
|  |
| Erroneous | | Value entered does not exist | | HappyBirthday123 | No Results |
| Normal | | Meets all criteria | | P320 | N/A |
| Name: String | | Extreme | | No value entered | |  | Please ensure that all fields are filled |
|  |
| Erroneous | | Number entered | | William1 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | | William | N/A |
| Surname: String | | Extreme | | No value entered | |  | Please ensure that all fields are filled |
|  |
| Erroneous | | Number entered | | Masters1 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | | Masters | N/A |
| Sex: String | | Extreme | | No value entered | |  | Please ensure that all fields are filled |
|  |
| Erroneous | | Number entered | | 12 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | | F | N/A |
| Specialty Code: String | | Extreme | | No value entered | |  | Please ensure that all fields are filled |
|  |
| Erroneous | | Number entered | | CA2 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | | CA | N/A |
| Symptoms: String | | Extreme | | No value entered | |  | Please ensure that all fields are filled. |
|  |
| Normal | | Meets all criteria | | Skin irritation and Large red blotches on back with slight cough as well. | N/A |
| Prescription: String | | Extreme | | No value entered | |  | Please ensure that all fields are filled. |
|  | |  | |
|  | | Normal | | Meets all criteria | | 2 bottles of Panado and Iliadan. | N/A |
| Patient’s Name: String | | Extreme | | No value entered | |  | Please ensure that all fields are filled |
|  |
| Erroneous | | Number entered | | William1 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | | William | N/A |
| Patient’s Surname: String | Extreme | | No value entered | |  | | Please ensure that all fields are filled |
|  |
| Erroneous | | Number entered | | Masters1 | | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | | Masters | | N/A |

### View Patient History Tabs for Doctor, Receptionist and Pharmacists

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Error Type** | **Description of Error** | **Example Input** | **Response/Error Message** |
| Patient\_ID: String | Extreme | No value entered |  | Please input a patient ID |
|  |
| Normal | Meets all criteria | P320 | N/A |

### Personal Information Tab for Doctor, Receptionist, Pharmacist and Administrator

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | | **Error Type** | | **Description of Error** | **Example Input** | **Response/Error Message** |
| Saff\_ID: String | | Extreme | | No value entered |  | N/A |
|  |
| Normal | | Meets all criteria | P320 | N/A |
| Name: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Erroneous | | Number entered | William1 | You cannot enter any numbers into the NAME/SURNAME/GENDER/SPECIALTY CODE/JOB DESCRIPTION Fields. Try Again! |
| Normal | | Meets all criteria | William | N/A |
| Surname: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Erroneous | | Number entered | Masters1 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | Masters | N/A |
| Sex: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Erroneous | | Number entered | 12 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | F | N/A |
| Specialty: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Erroneous | | Number entered | Cardiologist2 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | Cardiologist | N/A |
| Job Description: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Erroneous | | Number entered | Doctor2 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | Doctor | N/A |
| Staff\_ID Password: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Normal | | Meets all criteria | Doctor | N/A |
| Qualifications: String | Extreme | | No value entered | |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Normal | | Meets all criteria | | National Senior Certificate, Doctorate Hons Cardiology | N/A |
| Contact No: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Normal | | Meets all criteria | 0725864578 | N/A |
| Residence: String | Extreme | | No value entered | |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Normal | | Meets all criteria | | MediSeek Johannesburg City Hospital | N/A |

### Issue Prescription Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Error Type** | **Description of Error** | **Example Input** | **Response/Error Message** |
| Patient\_ID: String | Extreme | No value entered |  |  |
| PLEASE INPUT A PATIENT ID |
| Normal | Meets all criteria | P320 | N/A |

UNABLE TO ADD PATIENT . Please ensure that every field has been filled in then retry your entry

### Add an Appointment Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | **Error Type** | **Description of Error** | **Example Input** | **Response/Error Message** |
| Staff\_ID: String | Extreme | No value entered |  | UNABLE TO ADD PATIENT . Please ensure that every field has been filled in then retry your entry |
|  |
| Normal | Meets all criteria | Fab-104 | N/A |
| Patient\_ID: String | Extreme | No value entered |  | UNABLE TO ADD PATIENT . Please ensure that every field has been filled in then retry your entry |
|  |
| Normal | Meets all criteria | P320 | N/A |
| Symptoms: String | Extreme | No value entered |  | UNABLE TO ADD PATIENT . Please ensure that every field has been filled in then retry your entry |
|  |
| Normal | Meets all criteria | Struggling to breathe clearly with nasal and throat blockage while sleeping. Gets tired quickly | N/A |

### VIEW AND ADD Staff Tab for Receptionist and Administrator

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of Field: Data Type** | | **Error Type** | | **Description of Error** | **Example Input** | **Response/Error Message** |
| Saff\_ID: String | | Extreme | | No value entered |  | N/A |
|  |
| Normal | | Meets all criteria | P320 | N/A |
| Name: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Erroneous | | Number entered | William1 | You cannot enter any numbers into the NAME/SURNAME/GENDER/SPECIALTY CODE/JOB DESCRIPTION Fields. Try Again! |
| Normal | | Meets all criteria | William | N/A |
| Surname: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Erroneous | | Number entered | Masters1 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | Masters | N/A |
| Sex: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Erroneous | | Number entered | 12 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | F | N/A |
| Specialty: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Erroneous | | Number entered | Cardiologist2 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | Cardiologist | N/A |
| Job Description: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Erroneous | | Number entered | Doctor2 | You cannot enter any numbers into the NAMES/SURNAME/GENDER/SPECIALTY CODE Fields. Try Again! |
| Normal | | Meets all criteria | Doctor | N/A |
| Staff\_ID Password: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Normal | | Meets all criteria | Doctor | N/A |
| Qualifications: String | Extreme | | No value entered | |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Normal | | Meets all criteria | | National Senior Certificate, Doctorate Hons Cardiology | N/A |
| Contact No: String | | Extreme | | No value entered |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Normal | | Meets all criteria | 0725864578 | N/A |
| Residence: String | Extreme | | No value entered | |  | UNABLE TO EDIT YOUR DETAILS. Please ensure that every field has been filled in then retry your entry |
|  |
| Normal | | Meets all criteria | | MediSeek Johannesburg City Hospital | N/A |

# **Test Results** **[Zarret Mills & Maisela Kekana]**

## A computer screen capture Description automatically generated with medium confidenceLogin Pages

### Respective Login PagesA screenshot of a computer Description automatically generatedA picture containing text, monitor, indoor, screenshot Description automatically generated

## Doctor Page

### A picture containing text, screenshot, indoor Description automatically generatedA screenshot of a computer Description automatically generated with medium confidenceA screenshot of a computer Description automatically generated with medium confidenceView Patients Tab

A picture containing text, screenshot, indoor

Description automatically generated

### A screenshot of a computer Description automatically generatedView Patient History Tab

### Personal Information TabA screenshot of a computer Description automatically generated with medium confidenceA screenshot of a computer Description automatically generated with medium confidence

## Pharmacist Page

### A screenshot of a computer Description automatically generated with medium confidenceA screenshot of a computer Description automatically generated with medium confidenceView Patients Tab

### A screenshot of a computer Description automatically generated

### A screenshot of a computer Description automatically generatedA screenshot of a computer Description automatically generated with medium confidenceIssue Prescription Page

### A screenshot of a computer Description automatically generatedView Patient History Tab

### A screenshot of a computer Description automatically generated with medium confidenceA screenshot of a computer Description automatically generated with medium confidencePersonal Information Tab

## Receptionist Page

### A picture containing text, screenshot, indoor Description automatically generatedA screenshot of a computer Description automatically generated with medium confidenceA picture containing text, screenshot, indoor Description automatically generatedA screenshot of a computer Description automatically generated with medium confidenceGraphical user interface Description automatically generatedA picture containing text, monitor, screenshot, indoor Description automatically generatedView Patients Tab

### Graphical user interface, application Description automatically generatedAdd an Appointment Page

### Graphical user interface, application Description automatically generatedView Add a Patient TabGraphical user interface, application Description automatically generated

### A screenshot of a computer Description automatically generatedView Patient History Tab

### Personal Information Tab

A screenshot of a computer

Description automatically generated with medium confidenceA screenshot of a computer

Description automatically generated with medium confidence

## Administrator Page

### A picture containing text, screenshot, indoor Description automatically generatedA screenshot of a computer Description automatically generated with medium confidenceA picture containing text, screenshot, indoor Description automatically generatedA screenshot of a computer Description automatically generated with medium confidenceA screenshot of a computer Description automatically generated with medium confidenceView Patients Tab

### A screenshot of a computer Description automatically generated with medium confidenceView Staff Tab

Graphical user interface, application

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidenceGraphical user interface

Description automatically generatedA picture containing text, screenshot, indoor

Description automatically generated

### Graphical user interface, application Description automatically generatedAdd new Patient Tab

Graphical user interface, application

Description automatically generated

### Add New Staff Tab

Graphical user interface

Description automatically generated

### Personal Information Tab

A screenshot of a computer

Description automatically generated with medium confidenceA screenshot of a computer

Description automatically generated with medium confidence