

Project Report

#### **Submitted by:**

Group# 8

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Section-D
Database Management System Lab
Fall 2018

#### **Submitted to:**

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# **Application Access**

<u>Username</u> <u>Password</u>

admin 12345

dataoperator 98765

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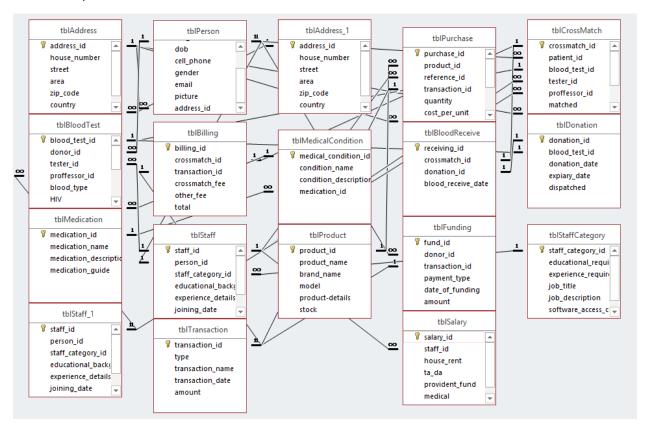
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## Relationship

Relationship between databases tables.



## Database Tables

Table: tblAddress

| tblAddress |                     |            |
|------------|---------------------|------------|
| 4          | Field Name          | Data Type  |
| B          | address_id          | AutoNumber |
|            | house_number        | Short Text |
|            | street              | Short Text |
|            | area                | Short Text |
|            | zip_code            | Short Text |
|            | country             | Short Text |
|            | perm_or_pres_add_id | Number     |

Table: tblBilling

| tblBilling tblBilling |                |            |
|-----------------------|----------------|------------|
|                       | Field Name     | Data Type  |
| B                     | billing_id     | AutoNumber |
|                       | crossmatch_id  | Number     |
|                       | transaction_id | Number     |
|                       | crossmatch_fee | Currency   |
|                       | other_fee      | Currency   |
|                       | total          | Calculated |

Table: tblBloodReceive

| Field Name Data Type  receiving id AutoNumber |
|---|
| P receiving id                                |
| receiving_id Autonumber                       |
| crossmatch_id Number                          |
| donation_id Number                            |
| blood_receive_date Date/Time                  |

Table: tblBloodTest

|    | tblBloodTest \       |            |  |
|----|----------------------|------------|--|
| 4  | Field Name           | Data Type  |  |
| ₽► | blood_test_id        | AutoNumber |  |
|    | donor_id             | Number     |  |
|    | tester_id            | Number     |  |
|    | proffessor_id        | Number     |  |
|    | blood_type           | Short Text |  |
|    | HIV                  | Short Text |  |
|    | HBsAg                | Short Text |  |
|    | HCV                  | Short Text |  |
|    | Syphilis             | Short Text |  |
|    | Malaria              | Short Text |  |
|    | test_passed          | Short Text |  |
|    | medical_condition_id | Number     |  |
|    | blood_test_date      | Date/Time  |  |

Table: tblCrossMatch

| <b>■ tblCrossMatch</b> |                     |            |
|------------------------|---------------------|------------|
| 4                      | Field Name          | Data Type  |
| B                      | crossmatch_id       | AutoNumber |
|                        | patient_id          | Number     |
|                        | blood_test_id       | Number     |
|                        | tester_id           | Number     |
|                        | proffessor_id       | Number     |
|                        | matched             | Short Text |
|                        | crossmatch_date     | Date/Time  |
|                        | hospital_address_id | Number     |
|                        | hospital_patient_id | Short Text |
|                        |                     |            |

Table: tblDonation

| <b>tblDonation</b> |               |            |
|--------------------|---------------|------------|
| 4                  | Field Name    | Data Type  |
| B                  | donation_id   | AutoNumber |
|                    | blood_test_id | Number     |
|                    | donation_date | Date/Time  |
|                    | expiary_date  | Date/Time  |
|                    | dispatched    | Yes/No     |

Table: tblFunding

| ■ tblFunding |                 |            |
|--------------|-----------------|------------|
|              | Field Name      | Data Type  |
| B            | fund_id         | AutoNumber |
|              | donor_id        | Number     |
|              | transaction_id  | Number     |
|              | payment_type    | Short Text |
|              | date_of_funding | Date/Time  |
|              | amount          | Currency   |

Table: tblMedicalCondition

| tblMedicalCondition |                       |            |
|---------------------|-----------------------|------------|
| 4                   | Field Name            | Data Type  |
| B                   | medical_condition_id  | AutoNumber |
|                     | condition_name        | Short Text |
|                     | condition_description | Long Text  |
|                     | medication_id         | Number     |

Table: tblMedication

| tblMedication tblMedication |                        |            |
|-----------------------------|------------------------|------------|
|                             | Field Name             | Data Type  |
| 8                           | medication_id          | AutoNumber |
|                             | medication_name        | Short Text |
|                             | medication_description | Long Text  |
|                             | medication_guide       | Long Text  |

Table: tblPerson

| tblPerson\ |            |            |
|------------|------------|------------|
|            | Field Name | Data Type  |
| B          | person_id  | AutoNumber |
|            | first_name | Short Text |
|            | last_name  | Short Text |
|            | dob        | Date/Time  |
|            | cell_phone | Short Text |
|            | gender     | Short Text |
|            | email      | Hyperlink  |
|            | picture    | OLE Object |
|            | address_id | Number     |

Table: tblProduct

| tblProduct \ |                 |            |
|--------------|-----------------|------------|
|              | Field Name      | Data Type  |
| B            | product_id      | AutoNumber |
|              | product_name    | Short Text |
|              | brand_name      | Short Text |
|              | model           | Short Text |
|              | product-details | Short Text |
|              | stock           | Number     |

Table: tblPurchase

| tblPurchase |                  |            |
|-------------|------------------|------------|
|             | Field Name       | Data Type  |
| 8           | purchase_id      | AutoNumber |
|             | product_id       | Number     |
|             | reference_id     | Number     |
|             | transaction_id   | Number     |
|             | quantity         | Number     |
|             | cost_per_unit    | Currency   |
|             | ta_da_cost       | Currency   |
|             | store_address_id | Number     |
|             | store_name       | Short Text |
|             | date_of_purchase | Date/Time  |
|             | total            | Calculated |
|             |                  |            |

Table: tblSalary

| <b>tblSalary</b> |                |            |  |
|------------------|----------------|------------|--|
| 4                | Field Name     | Data Type  |  |
| 8                | salary_id      | AutoNumber |  |
|                  | staff_id       | Number     |  |
|                  | house_rent     | Currency   |  |
|                  | ta_da          | Currency   |  |
|                  | provident_fund | Currency   |  |
|                  | medical        | Currency   |  |
|                  | bonus          | Currency   |  |

Table: tblStaff

| tblStaff \ |                        |            |  |
|------------|------------------------|------------|--|
| 4          | Field Name             | Data Type  |  |
| B          | staff_id               | AutoNumber |  |
|            | person_id              | Number     |  |
|            | staff_category_id      | Number     |  |
|            | educational_background | Long Text  |  |
|            | experience_details     | Long Text  |  |
|            | joining_date           | Date/Time  |  |
|            | resigning_date         | Date/Time  |  |
|            | reference_details      | Long Text  |  |
|            |                        |            |  |

Table: tblStaffCategory

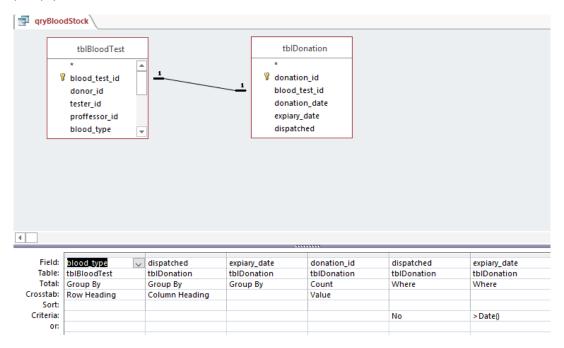
| tblStaff \ |                        |            |  |
|------------|------------------------|------------|--|
| 4          | Field Name             | Data Type  |  |
| 8          | staff_id               | AutoNumber |  |
|            | person_id              | Number     |  |
|            | staff_category_id      | Number     |  |
|            | educational_background | Long Text  |  |
|            | experience_details     | Long Text  |  |
|            | joining_date           | Date/Time  |  |
|            | resigning_date         | Date/Time  |  |
|            | reference_details      | Long Text  |  |

Table: tblTransaction

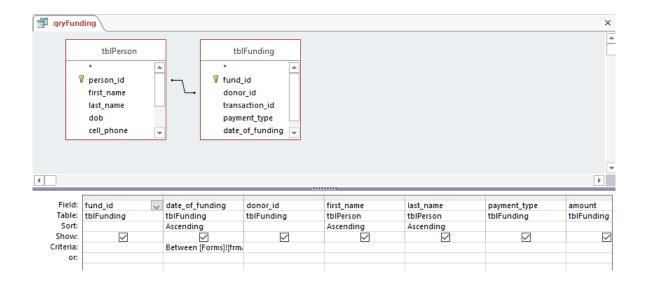
|   | tblTransaction \                       |                                       |  |
|---|--|---------------------------------------|--|
| 4 | Field Name                             | Data Type                             |  |
| B | transaction_id                         | AutoNumber                            |  |
|   | type                                   | Short Text                            |  |
|   | transaction_name                       | Short Text                            |  |
|   | transaction_date                       | Date/Time                             |  |
|   | amount                                 | Currency                              |  |
| 8 | type transaction_name transaction_date | Short Text<br>Short Text<br>Date/Time |  |

# Queries

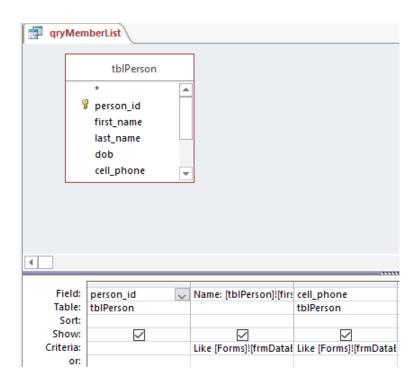
Query: qryBloodStock



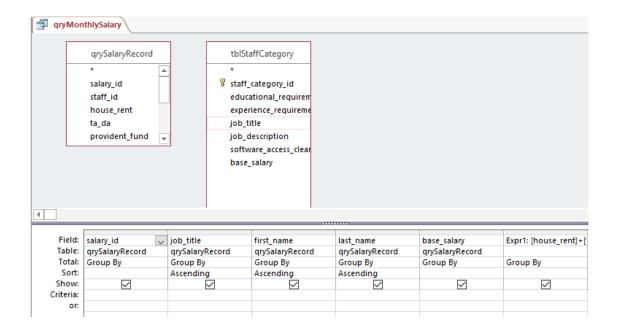
Query: qryFunding



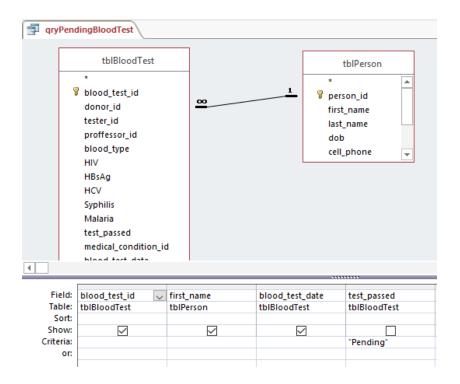
Query: qryMemberList



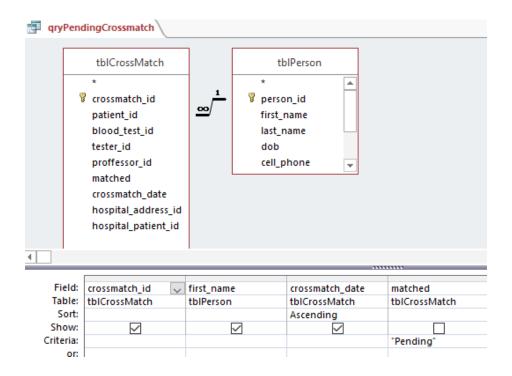
Query: qryMonthlySalary



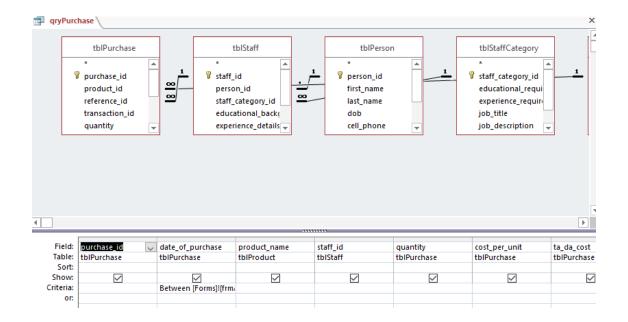
## Query: qryPendingBloodTest



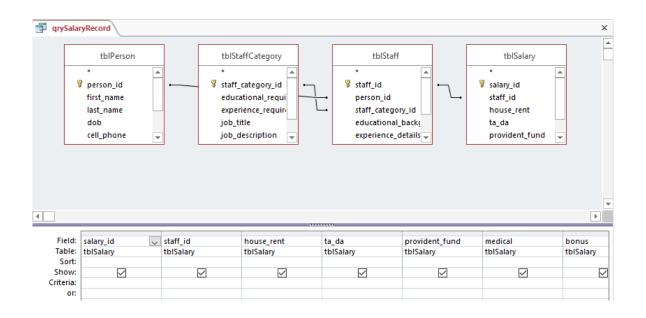
## Query: qryPendingCrossMatch



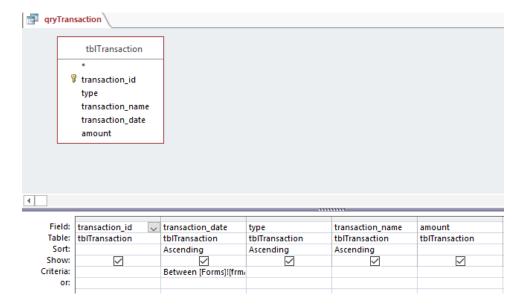
### Query: qryPurchase



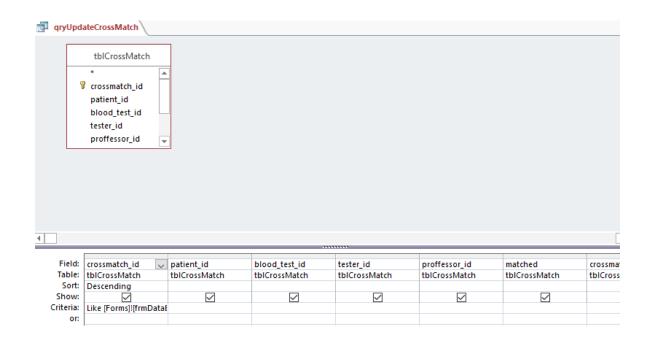
#### Query: qrySalaryRecord



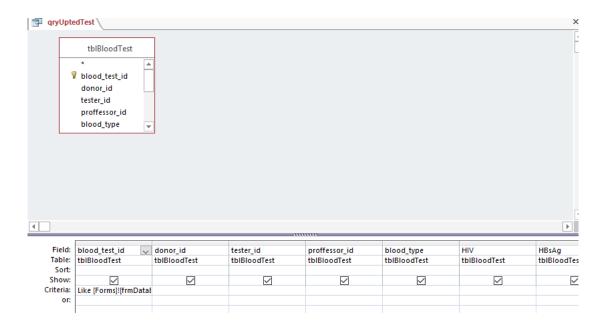
### Query: qryTransaction



Query: qryUpdateCrossMatch

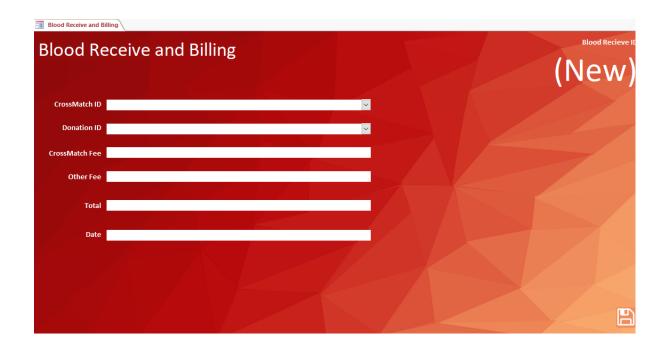


Query: qryUptedTest



# **Forms**

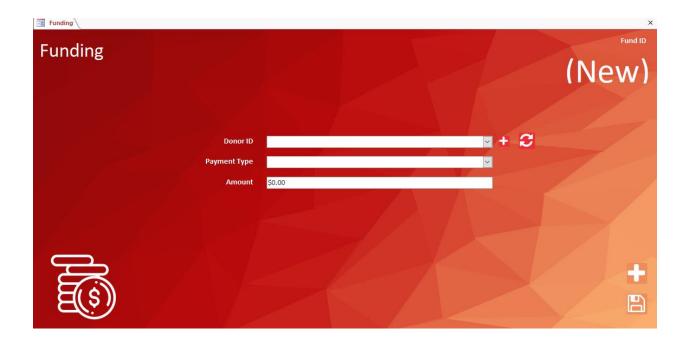
Form: frmBloodReceive



## Form: frmDonation

|               |                       | (Nev |
|---------------|-----------------------|------|
| Blood Test ID | V                     |      |
| Oonation Date | 10/24/2018 2:41:07 PM |      |
| Expiry Date   | 2/21/2019 2:41:07 PM  |      |
| Dispatched    | False                 |      |
|               |                       |      |
|               |                       |      |
|               |                       |      |
|               |                       |      |

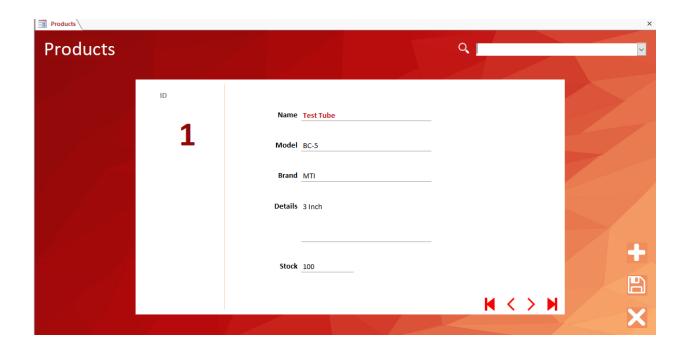
## Form: frmFund



#### Form: frmMember



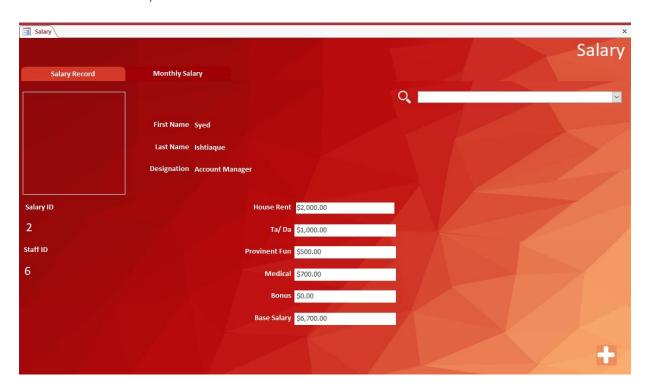
### Form: frmProducts



#### Form: frmPurchase



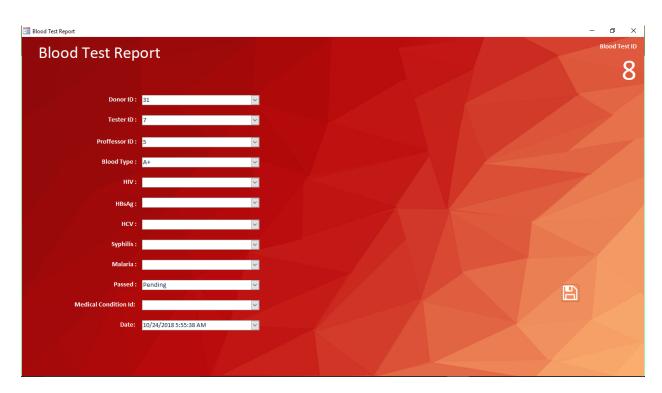
## Form: frmSalary



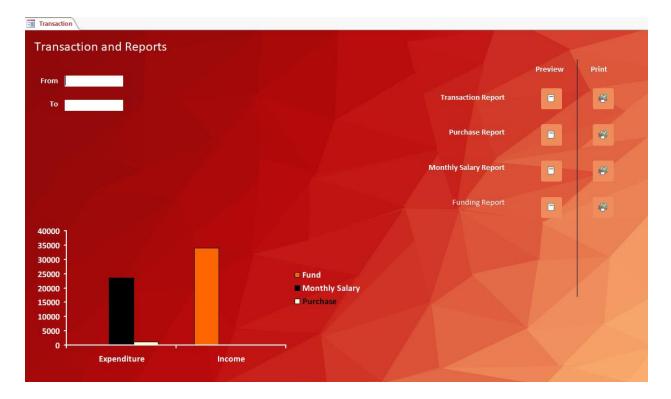
#### Form: frmStaffs



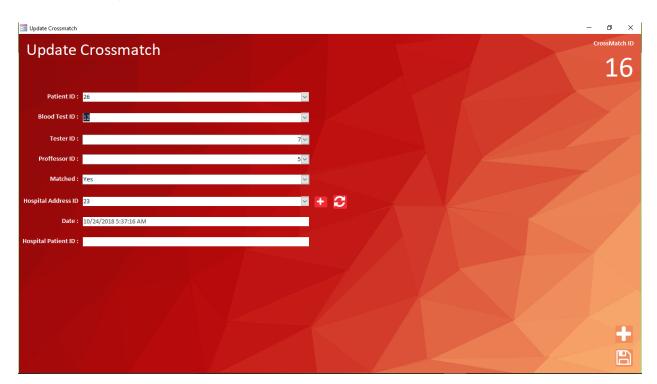
## Form: frmTestReport



#### Form: frmTransaction



## Form: frmUpdateCrossMatch



Form: subfrmAddNewSalary



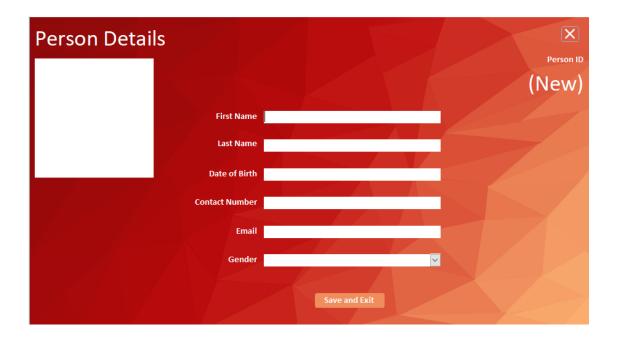
Form: subfrmAddress



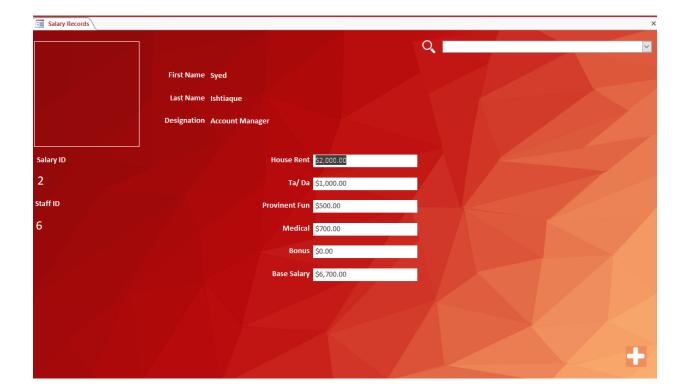
## Form: subfrmMonthlySalary



Form: subfrmPerson



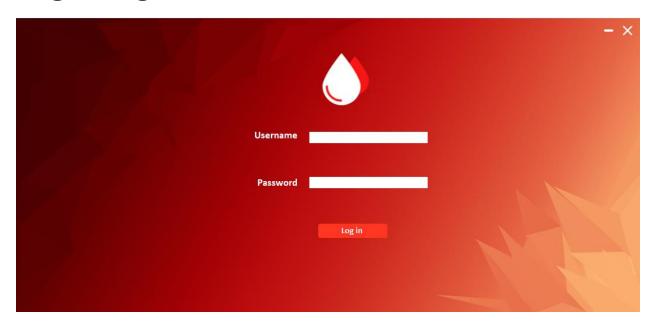
## Form: subfrmSalaryRecord



## Form: subfrmNewStaffCategory



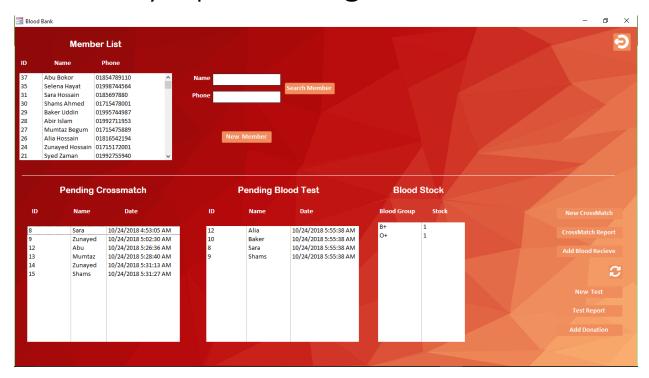
# Login Page



# Admin Page



# Data Entry Operator Page



# Report

Report: rptBloodTest



## Report: rptCrossMatch

## CrossMatch

Crossmatch Id: 16

Patient Id: 26

Blood Test Id: 12

Tester Id: 7

Proffessor Id: 5

Matched: Yes

Crossmatch Date: 10/24/2018 5:37:16 AM

Hospital Address Id: 23

Hospital Patient Id:

Report: rptFunding



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## Report: rptMonthlyReport



## Report: rptPurchase



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## Report: rptTransaction

#### Transaction Report

| Tran  | saction Repor    | t              |             | Wednesday, October 24, 2018 |
|-------|------------------|----------------|-------------|-----------------------------|
| Fund  |                  |                |             | wednesday, October 24, 2018 |
|       | Transaction Date | Transaction ID | Туре        | Amount                      |
|       | 10/22/2018       | 29             | Income      | \$10,000.00                 |
|       | 10/22/2018       | 30             | Income      | \$5,000.00                  |
|       | 10/22/2018       | 31             | Income      | \$2,000.00                  |
|       | 10/22/2018       | 32             | Income      | \$2,000.00                  |
|       | 10/23/2018       | 34             | Income      | \$15,000.00                 |
| Mont  | hly Salary       |                |             |                             |
|       | Transaction Date | Transaction ID | Туре        | Amount                      |
|       | 10/22/2018       | 28             | Expenditure | \$23,535.00                 |
| Purch | ase              |                |             |                             |
|       | Transaction Date | Transaction ID | Туре        | Amount                      |
|       | 10/23/2018       | 33             | Expenditure | \$205.00                    |
|       | 10/23/2018       | 35             | Expenditure | \$80.00                     |
|       | 10/23/2018       | 36             | Expenditure | \$55.00                     |
|       | 10/23/2018       | 37             | Expenditure | \$810.00                    |
|       |                  |                |             |                             |

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#### The End