

Inspector: Group four (MAJOF Developers) :

Navarro Zambrano, Johny Nicolay
Ocaña Bolaños, Francisco Javier
Pallasco Mancero, Oscar Fernando
Pazmiño Gordon, Bryan Alexander
Rivera Verdezoto, Amanda Liliana

Authors (Group 5):

OptimizedDiagnosticSystem_Fail0verflow

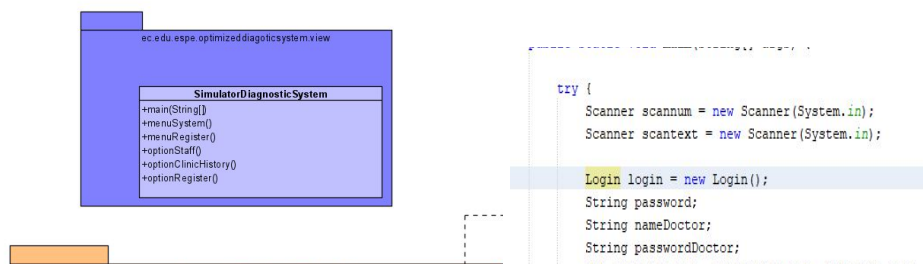
1. Class Diagram

3.7/5



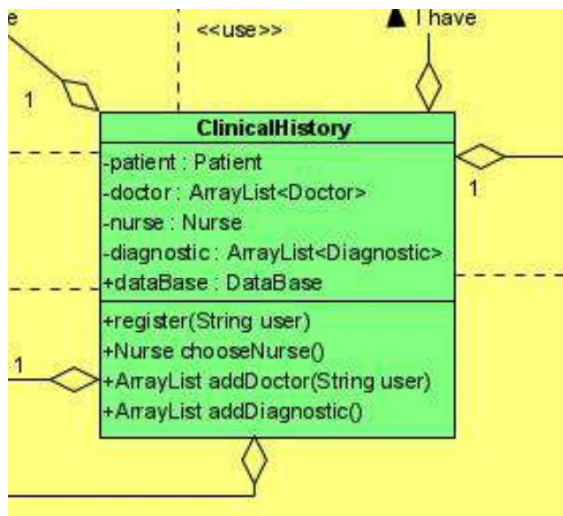
- The term "I have" is not well defined. The relationship does not make sense.

Bryan Pazmiño (-0,2)



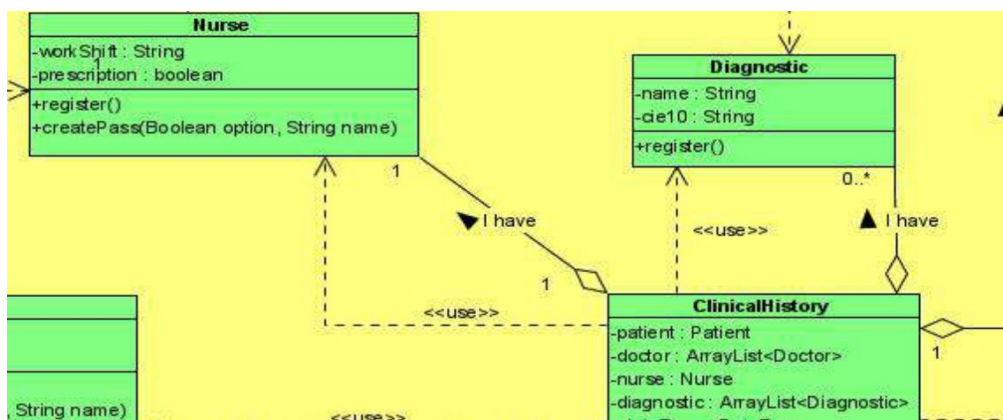
- The "SimulatorDiagnosticSystem" class is not related to any class yet it uses methods from other classes in the code.

Francisco Ocaña (- 0,5)



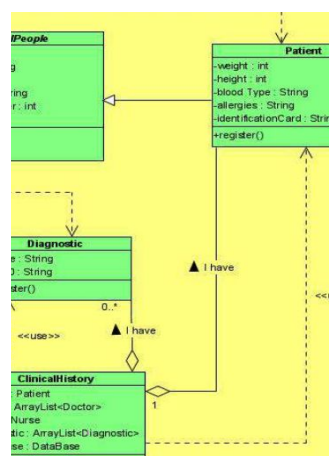
- Unreported aggregation multiplicity of class "ClinicalHistory"

Amanda Rivera (-0,2)



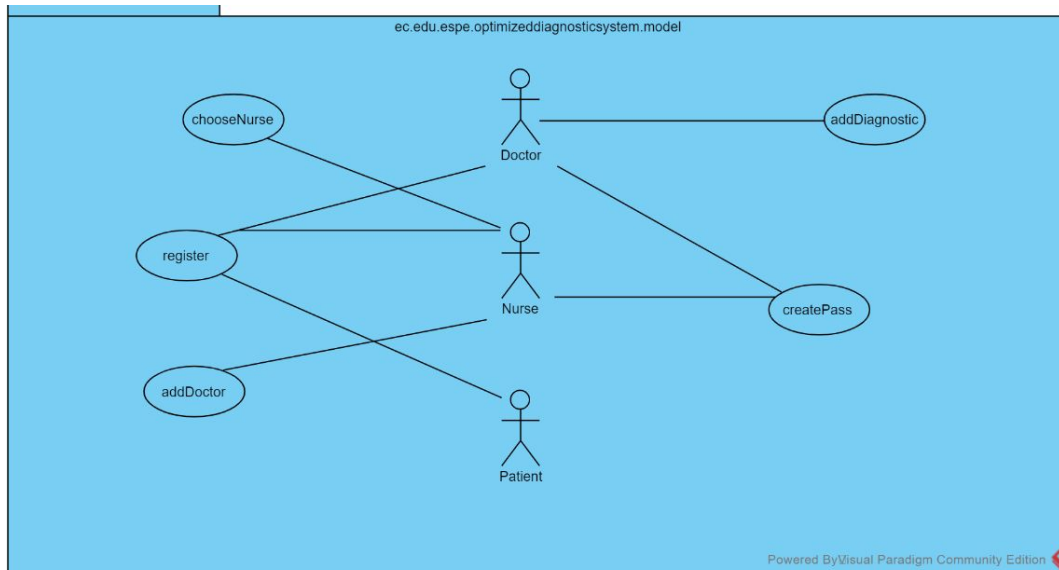
- The class "ClinicalHistory" and "Nurse" are badly related (They use an aggregation while in the code they use an association).

Fernando Pallasco (-0,2)



- Multiplicity is misstated from the aggregation between the class "ClinicalHistory" and "Patient" (Cannot read).

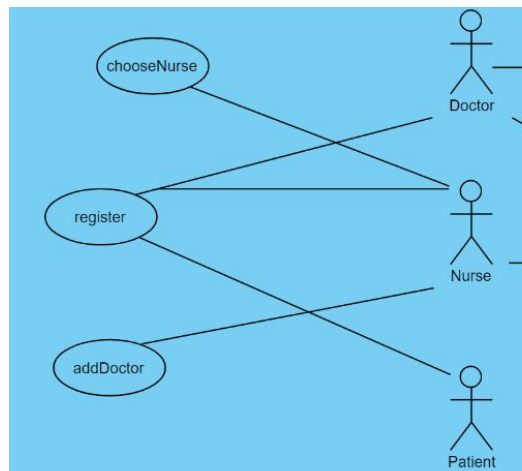
Johny Navarro (-0,2)



- The actions of the actors are poorly determined
- The diagram is incomplete

Francisco Ocaña (-0.5)

Amanda Rivera (-0.5)



- The action register is wrongly related

Fernando Pallasco (-0.2)

3. MVC pattern applied

- Packages (controller) and libraries/utils
- clean GUI (no logic in this layer)
- Model (only POJO files)

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5/5

3.8/5

- Package (5)
- Clean Gui (5)
- Model (3.8)

- All forms do not perform any operations.
- In the ClinicalHistory class there are 4 methods that perform operations.

Bryan Pazmiño (-0.2)

Francisco Ocaña(-0.2)

- In the DiagnosticClass there is a method that collects information.
Amanda Rivera(-0.2)
- In the doctor class that extends from medical Staff there are 2 methods that collect data.
Johny Navarro (-0.2)
- In the nurse class there are 2 methods that collect data.
Bryan Pazmiño(-0.2)
- In the patient class there is a collection method.
Francisco Ocaña(-0.2)

4. Inheritance

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- In the class Doctor inherits the method from the MedicalStaff class, but does nothing.
Amanda Rivera (-0.5)
- In the class Nurse inherits the method from the MedicalStaff class, but does nothing.
Fernando Pallasco (-0.5)

5. Abstraction (abstract classes or interfaces)

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- The system is working with abstract classes

6. Polymorphism

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- There are only overwriting methods.
- There are overload methods that are not programmed.
Jhonny Navarro (-1)

7. MongoDB

3.8/5

- In all the forms there is no connection to the database, therefore, the data that is entered within each form is burned data. Only Frmlogin is connected to the database
Bryan Pazmiño (-0.8)
- When we register a new doctor, the system creates a loop regarding the connection.
Francisco Ocaña(-0.2)
- When we register a new nurse, the system creates a loop regarding the connection
Amanda Rivera (-0.2)

8. Unit tests (at least 100 cases)

4.7/5

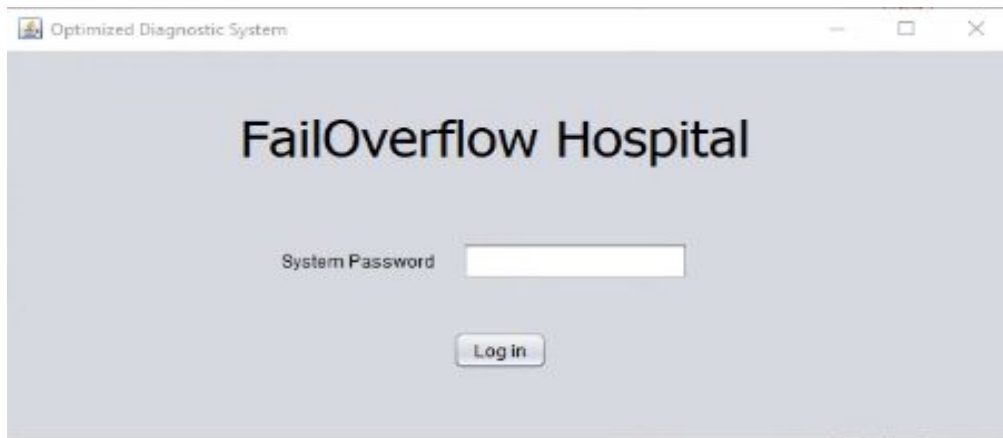
- It only has 64 unit tests and they are all worth
Fernando Palasco(-0.3)

9. GUI:

a. login screen	9.8/10
b. main menu	10/10
c. forms	5/10
d. use of tables (printing)	0/10
e. Functionality	5/10

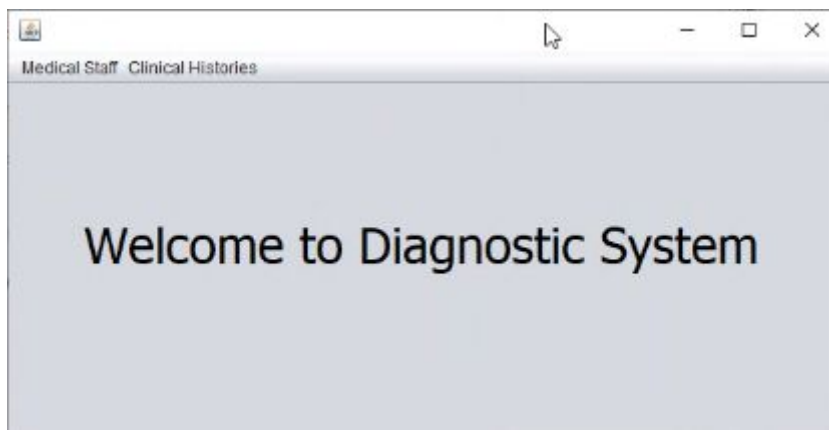
a) Login Screen

(-0.2)



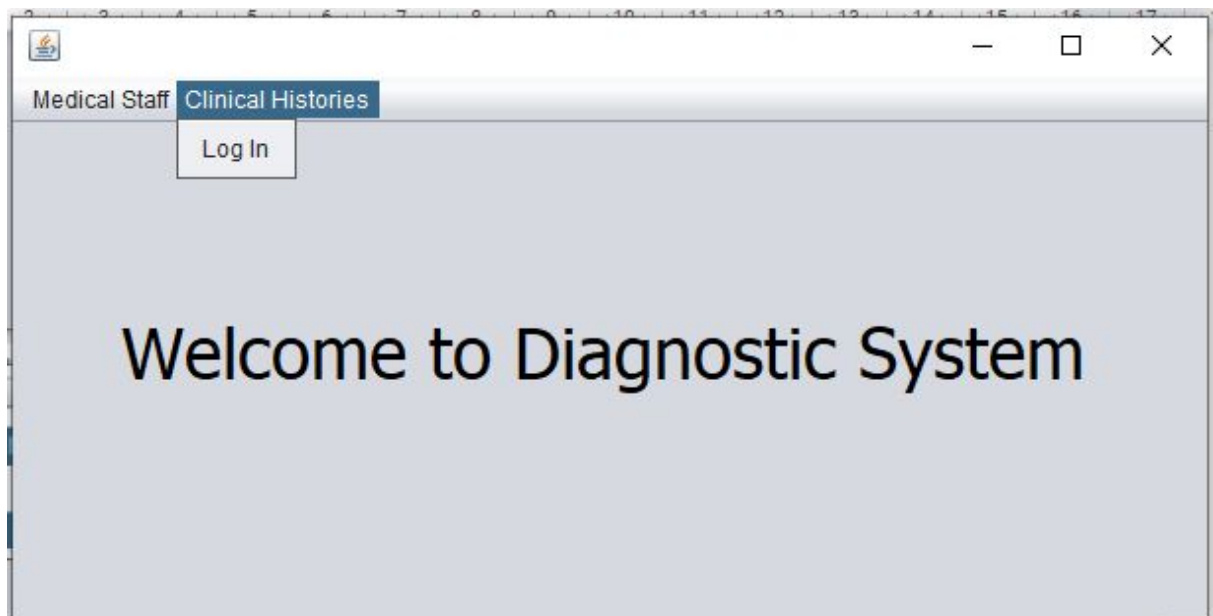
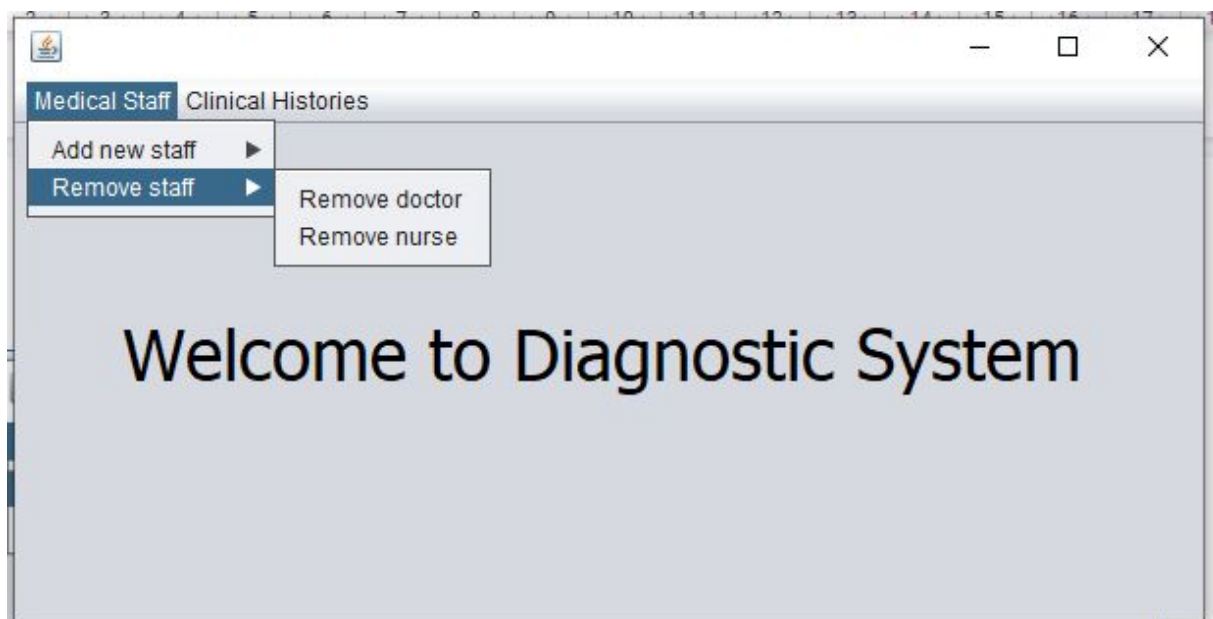
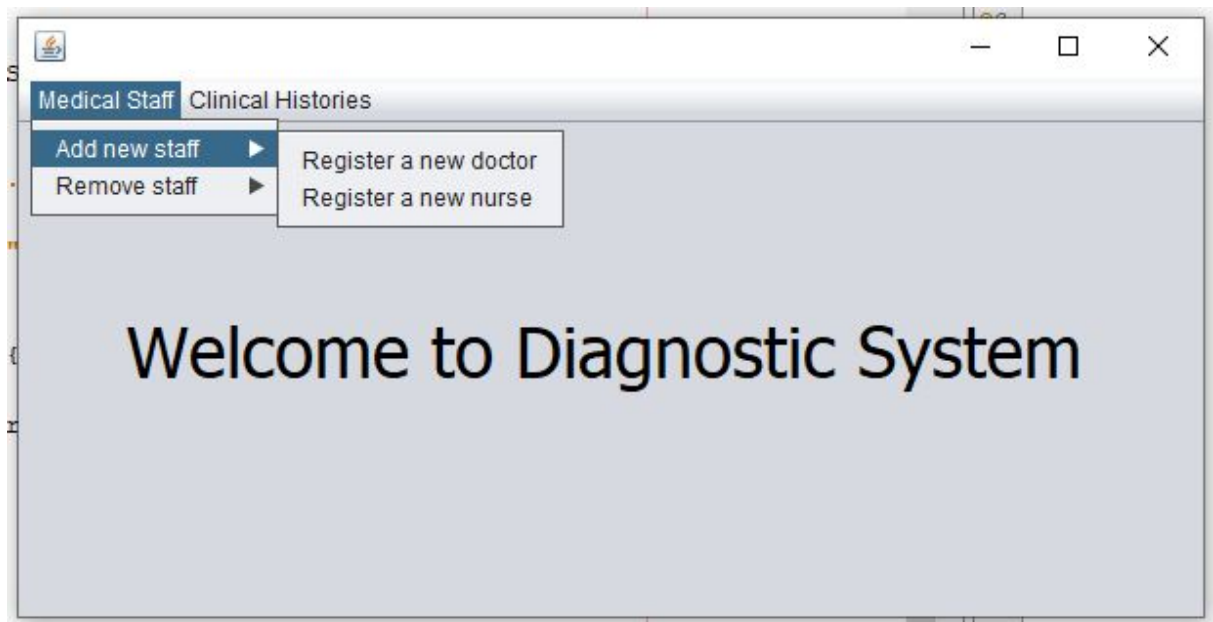
- In the login you only have to enter a password, you do not have a user. (-0.2)





- In the first one, when any password is entered, it is incorrect because if it is validated and when you enter the correct one, it allows us to access correctly

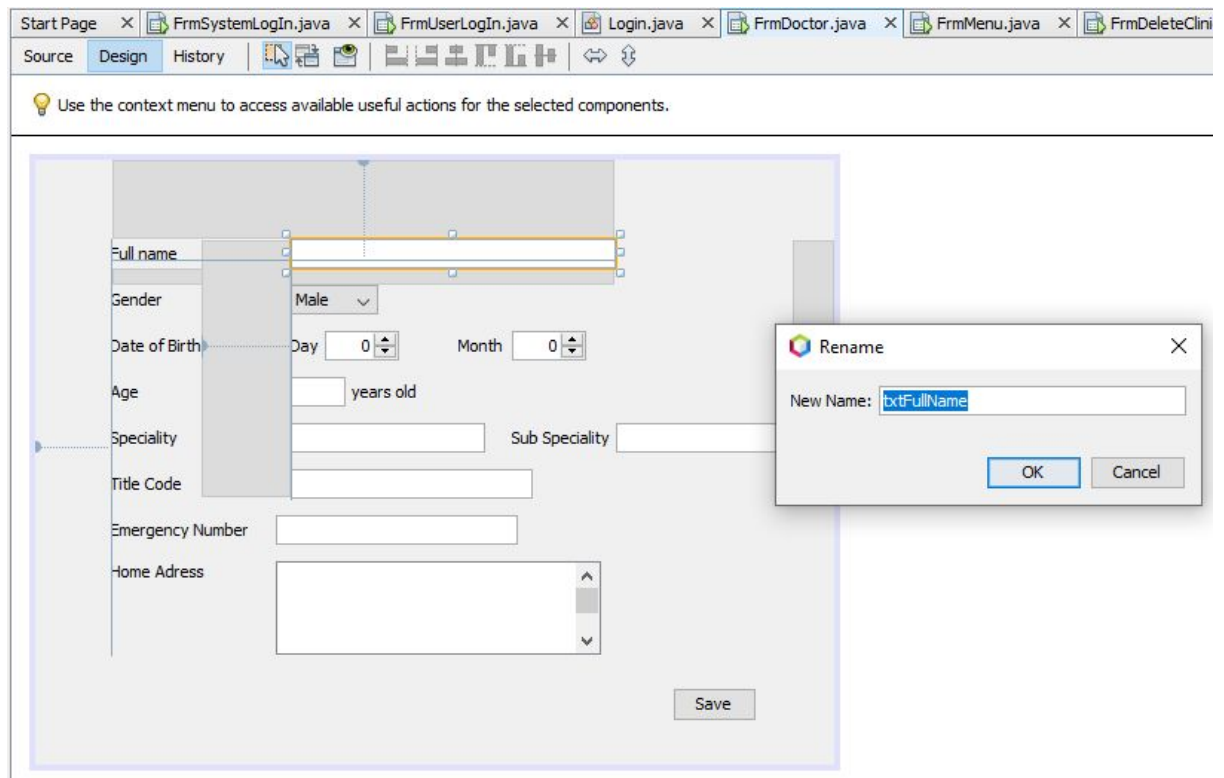
b) main menu



c) Forms

- They declare the names of the variables well but it has no content, they only recognize from form to form

Jhonny Navarro (-5)



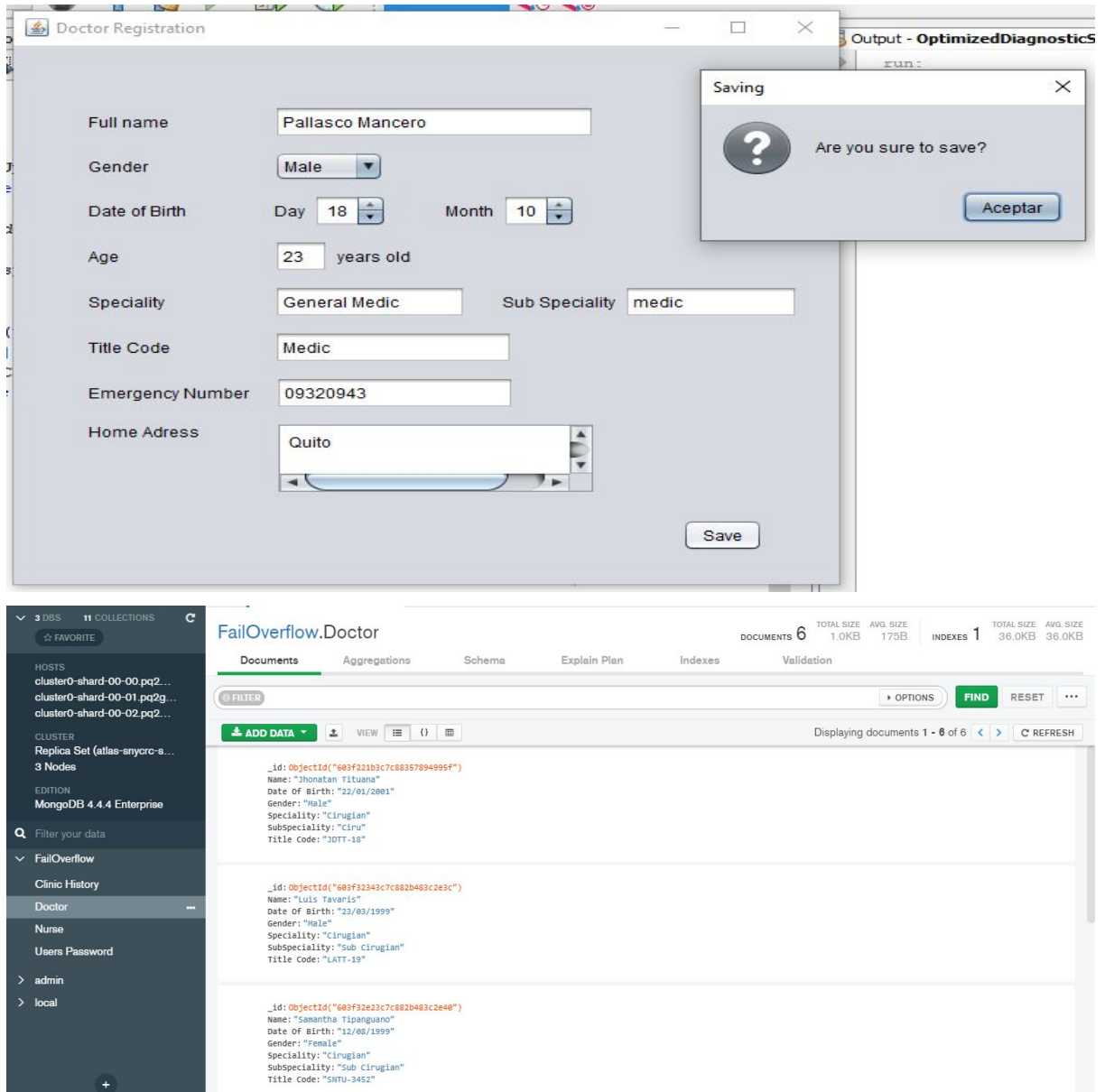
d) use of tables (printing)

- At the time of printing the data is not printed in the tables

Amanda Rivera (0)

e) Functionality

- It is not connected with the mongo since after saving data the database is not saved
Bryan Pasmaño (2.5)



Nurse Registration

Full name

María

Gender

Female

Date of Birth

Day 20Month 7

Age

27 years old

Work Shift

nurse

Title Code

Nurse

Emergency Number

0969756

Home Address

Quito

Save

Saving

Are you sure to save?

Aceptar

3 DBS11 COLLECTIONS

cluster0-shard-00-00.pq2...

cluster0-shard-00-01.pq2g...

cluster0-shard-00-02.pq2...

CLUSTER

Replica Set (atlas-snyrcr-s...

3 Nodes

EDITION

MongoDB 4.4.4 Enterprise

Filter your data

FailOverflow

Clinic History

Doctor

Nurse

Users Password

admin

local

FailOverflow.Nurse

DOCUMENTS 4TOTAL SIZE 380BTOTAL SIZE 36.0KB

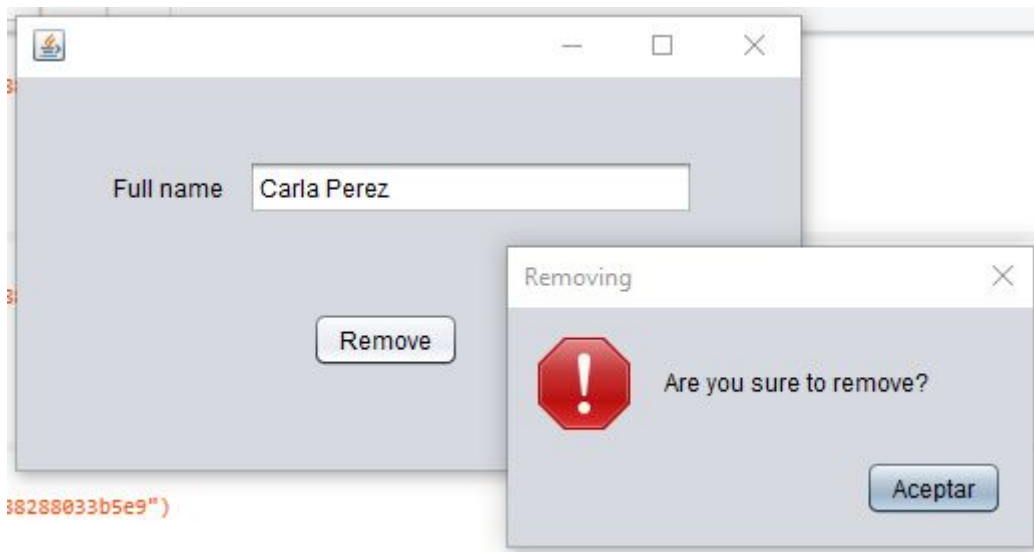
AggregationsSchemaExplain PlanIndexesValidation

FILTER

ADD DATAVIEW

Displaying documents 1 - 4 of 4

<div><div>_id: ObjectId("609f346c3c7c6828083b5e1")</div><div>Name: "Alejandra Ordonez"</div><div>Date of Birth: "23/04/1998"</div><div>Gender: "Female"</div></div>
<div><div>_id: ObjectId("609f34dc3c7c6828083b5e5")</div><div>Name: "Maria Alvarado"</div><div>Date of Birth: "21/12/1997"</div><div>Gender: "Female"</div></div>
<div><div>_id: ObjectId("609f35363c7c6828083b5e9")</div><div>Name: "Carla Perez"</div><div>Date of Birth: "02/02/1982"</div><div>Gender: "Female"</div></div>
<div><div>_id: ObjectId("609f35b13c7c6828083b5ed")</div><div>Name: "Jose Mendoza"</div><div>Date of Birth: "03/04/1995"</div><div>Gender: "Male"</div></div>



38288033b5e9")

FailOverflow.Nurse

DOCUMENTS 4 TOTAL SIZE 380B AVG. SIZE 95B INDEXES 1 TOTAL SIZE 36.0KB AVG. SIZE 36.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER OPTIONS FIND RESET

ADD DATA VIEW

Displaying documents 1 - 4 of 4 REFRESH

_id: ObjectId("603f346c3c7c68280833b5e1")
Name: "Alejandra Ordonez"
Date of Birth: "23/04/1998"
Gender: "Female"

_id: ObjectId("603f346c3c7c68280833b5e5")
Name: "Maria Alvarado"
Date of Birth: "21/12/1997"
Gender: "Female"

_id: ObjectId("603f35363c7c68280833b5e9")
Name: "Carla Perez"
Date of Birth: "02/02/1982"
Gender: "Female"

3 DBS 11 COLLECTIONS

HOSTS
cluster0-shard-00-00.pq2...
cluster0-shard-00-01.pq2g...
cluster0-shard-00-02.pq2...

CLUSTER
Replica Set (atlas-anyrc-s...
3 Nodes

EDITION
MongoDB 4.4.4 Enterprise

Filter your data

FailOverflow

Clinic History

Doctor

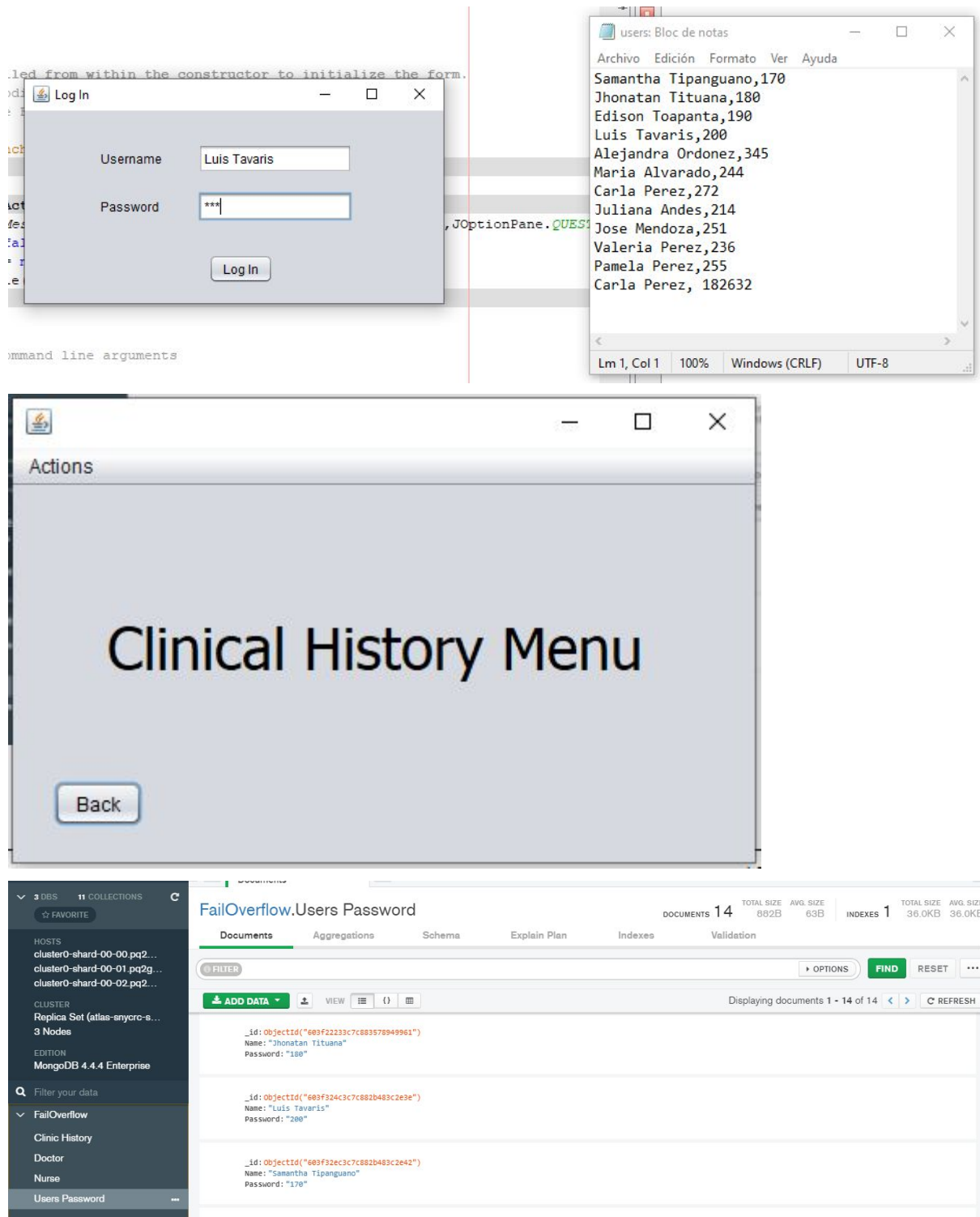
Nurse

Users Password

admin

- Only the login is connected to the mongoDB

Fernando Pallasco (2.5)



TOTAL	72.3/100
HITGUB	100
GRADE (TOTAL+GITHUB)/2	100