

## Project Inspection

### 1. Requirements.

The requirements have features and they specify what the system does

### 2. Use case

Features and the user are modeled in the use case diagram, but "Calculate income" is missing.

### 3. Class Diagram

It follows the MVC model, everything works and is where it should be

### 4. Mockup

Missing "login" screen, and Before Appointment screen.

### 5. Mongo DB

All the attributes are in the model at the class diagram

### 6. Test Cases.

Need more tests in the program.

### 7. OOP

Just have modularity in the program

### 8. Clean GUI

No functions in the GUI

### 9. Clean Code

There is commented code

## Execution

### 1. 4 Business Rules. 31/40

- 1.1. the application allows a dentist to buy services for a patient and register the bill is working, but it is not so intuitive. 9/10
- 1.2. Discount if its costs is more than 200 dollars. is also working. but if the program delete a product, then add again, the discount is not applied until the price rise to 300-400-500- etc. 7/10
- 1.3. Allows to assign appointments to a specific patient. is working but the date is also with an hour of 12:00 AM and can be confused with the appointment hour. 9/10
- 1.4. The program calculate the annual income but it doesn't show what and the price of the income. Need more information to show. 6/10

### 2. Login 9,5/10

The login shows the pop-up warning twice when you don't use the correct user and password. Could be better to use just one window when the user and password is different.

### 3. Other. 4,3/50

- The program opens two windows at the same time sometimes.
- Could be added a "last name" option in "add patients"
- The program doesn't validate the number of contact.
- In "Tratamiento del Paciente" could be a combobox instead of a textfield
- Missing an option to go back in "add patients"
- Could be bigger screen at "mostrar pacientes", "editar pacientes" and "eliminar paciente".



- Could make the program to delete faster a patient when we want to delete him.