

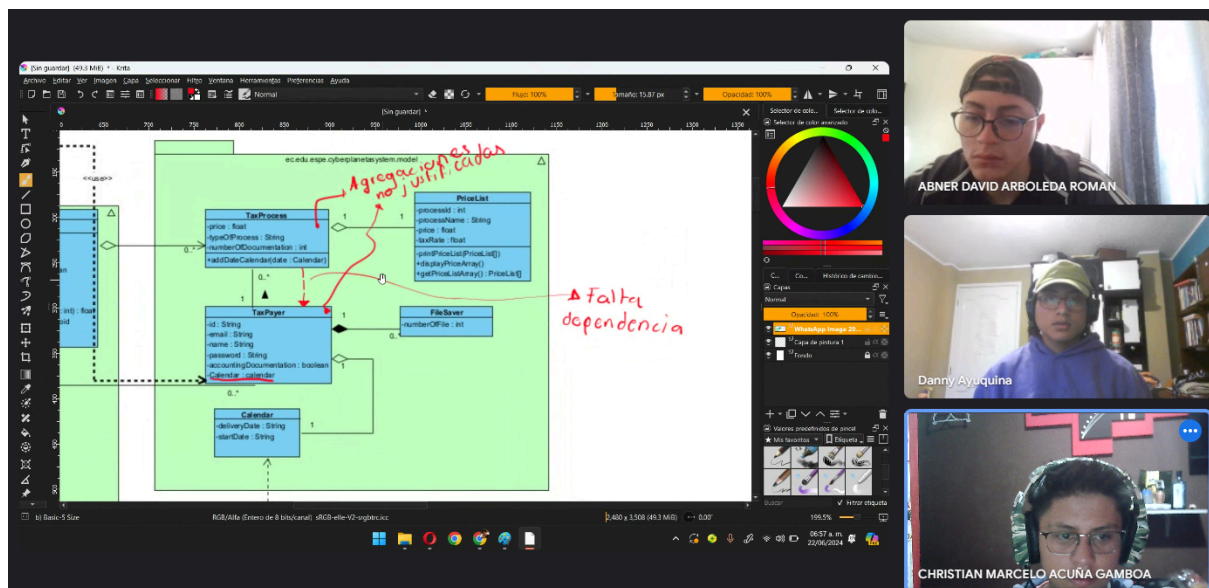


Report

Documentation

Diagrams

- *Use Case*
- *Class Diagram*



No cumple el Single Responsibility porque se observa que algunas clases tienen muchos métodos y posiblemente estas se puedan separar

Clase TaxProcess

- No tiene la dependencia de uso de Calendar que se muestra en los métodos.

Clase TaxPlayer

- No tiene el atributo TaxProcess el cual se observa por la multiplicidad que debería ser un ArrayList y Price List que darían a saber que hay una asociación.

Clase ClassificationAgenda

- Falta que se muestre la dependencia de Calendar en alguno de los métodos

Clase SystemAdministrator

- Falta que se muestre la dependencia de DataBase en alguno de los métodos y
- Falta que se muestre la asociación de TaxPayer en alguno de los atributos.
- Falta dependencia con PriceList.

Clase DataBaseManager

- Falta dependencia con TaxPlayer y Calendar.

Class diagram vs Definition

The screenshot shows a video conference with three participants: ABNER DAVID ARBOLEDA ROMAN, Danny Ayuquina, and CHRISTIAN MARCELO ACUNA GAMBOA. On the left, a class diagram is displayed in a software tool, showing classes like 'Calendar', 'TaxPayer', and 'PriceList' with their attributes and methods. Red handwritten notes are present on the diagram, such as 'Falta dependencia con Calendar' and 'Falta dependencia con TaxPayer'. On the right, a document titled 'versus project definition' is open, showing text about the project's goals and functionalities.

Si cumple la definición con el diagrama de clases

Class diagram vs Requirements

The screenshot shows a video conference with the same three participants. On the left, the same class diagram is shown, but with additional red handwritten notes: 'Falta dependencia con Calendar', 'Falta dependencia con TaxPayer', and 'Falta método que use Calendar'. On the right, a document titled 'versus requirements function' is open, showing a list of requirements under the heading '2.2 Product Functions'. The requirements include 'Tax Payer Management', 'Tax Declaration Management', and 'Cost Calculation', each with a list of specific tasks.

- Según lo que se observa en el diagrama de clases falta añadir los costos adicionales basados en la duración del proceso y el volumen de documentación.
- No se logra distinguir bien las fusiones debido a que cada clase tiene muchos métodos y esto hace que el visualizar como funciona el programa sea un poco complicado.

Code

Functionality : Tax payer Management

Add, edit and delete tax player profiles

- Functionalities in the use case:

add = yes, it complies

edit = yes, it complies

delete = yes, it complies

- Functionalities in class diagram

add = yes, it complies

edit = yes, it complies

delete = yes, it complies

- Functionalities in netbeans

add = yes, it complies

edit = yes, it complies

delete = yes, it complies

Test cases

ADD

id = 1727487942 // Enzo

-Incorrect Ruc validation (Termination 002)

email= eaarmijos1espe.edu.ec

name= Enzo01

password= LogicLegion

accountingDocumentation= Verdadero // 1

deliveryDate = 24 de junio

StanDate= 25 de junio // 24/05/02

-the exception message is repeated

EDIT

id= 1717487942

-It should not allow adding the same email

StanDate

-editing dates is not allowed

DEIATE

id= 1727487942001// Enzo01 //01Enzo

Search 9th Ruc digit = primero

Funcionalidad : Tax Declaration Management

Test cases

- Display tax declarations in a convenient calendar format
- We will send the remaining days to send the notifications of when the deliveries will be made

-It is not programmed

Funcionalidad : Cost Calculation

Test cases

Determinate the base fee based on the process type

Factor in additional costs based on process duration , documentation , volume , and other relevant factors

All the calculations that are made for each one of the contributors will be added up , and space will be generated where the monthly income for of the contributor will be shown

Empower the cyber owner to calculate the cost of each process

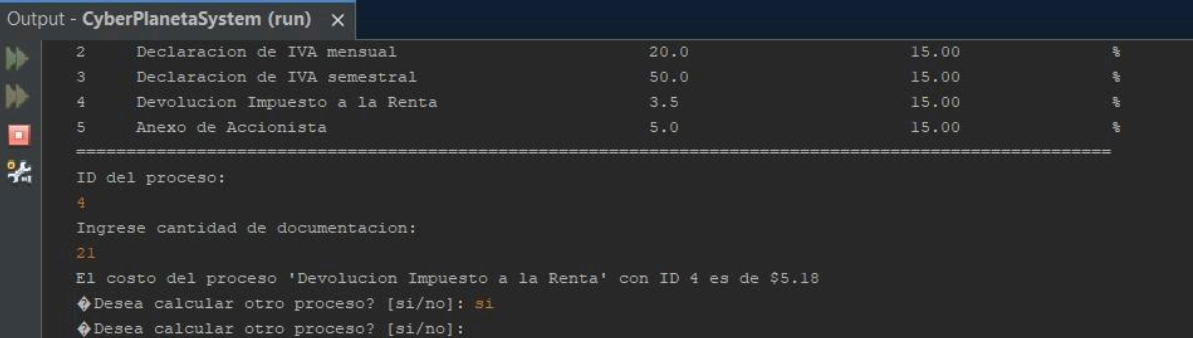
- Declaracion del iva en 0 precio-5 impuesto-15

-amount of documentation = Cinco // -1 // 5

-It is validating only positive integers

- Declaracion del iva mensual

-amount of documentation = Cinco // -1 // 5 // 21



```
Output - CyberPlanetaSystem (run) x
2  Declaracion de IVA mensual          20.0          15.00          %
3  Declaracion de IVA semestral        50.0          15.00          %
4  Devolucion Impuesto a la Renta      3.5           15.00          %
5  Anexo de Accionista                 5.0           15.00          %
=====
ID del proceso:
4
Ingrese cantidad de documentacion:
21
El costo del proceso 'Devolucion Impuesto a la Renta' con ID 4 es de $5.18
❖Desea calcular otro proceso? [si/no]: si
❖Desea calcular otro proceso? [si/no]:
```

-It is not specified that for every 10 documents the cost of the tax increases by 0.50 ctvs

-We enter 21 in the documentation and the total value should be 24 and the result was \$24.15 (observation)

-There is no specification on the increase in cost in the IEEE for the amount of documentation

-It is not known what 21 of the documentation specifies.

- Declaracion del iva semestral

-amount of documentation = Cinco // -1 // 5 // 21

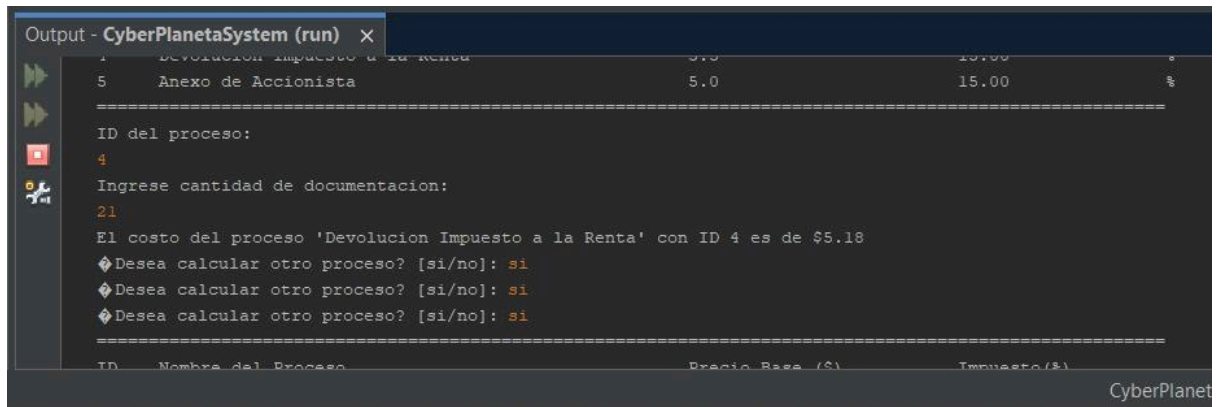
-We enter 21 in the documentation and the total value should be 21 and the result was ID process 3.5 (observation)

-There is no specification on the increase in cost in the IEEE for the amount of documentation

-It is not known what 21 of the documentation specifies.

-It does not validate that the base price is less than 50 the result 57.50

- Declaracion de impuestos a la renta precio



```
Output - CyberPlanetaSystem (run) X
1 Devolucion Impuesto a la Renta
2 Devolucion Impuesto a la Renta
3 Devolucion Impuesto a la Renta
4 Devolucion Impuesto a la Renta
5 Anexo de Accionista
=====
ID del proceso:
4
Ingrese cantidad de documentacion:
21
El costo del proceso 'Devolucion Impuesto a la Renta' con ID 4 es de $5.18
❖ Desea calcular otro proceso? [si/no]: si
❖ Desea calcular otro proceso? [si/no]: si
❖ Desea calcular otro proceso? [si/no]: si
=====
ID      Nombre del Proceso      Precio Base ($)      Impuesto (%)
CyberPlanet
```

-the option is repeated

-We enter 21 in the documentation and the total value should be 21 and the result was ID process 6.9 (observation)

- Anexo de accionistas

-After speaking with the team it was clear that the increase in the amount of documentation is 0.50 ctvs for every 10 documents, however when entering the amount of 21 documents in each of the options it increases 0.10 ctvs to the real price

-lower camel case : line 31 (Observation)

-does not use the single principle of responsibility

-large classes

- ClasificationAgenda

-line 137 : the lower camel case format is wrong

- Taxpayer

-line 150 and 155 : the lower camel case format is wrong

-line 158 : the lower camel case format is wrong

- -DataBaseManager:

-save data : methods the lower camel case format is wrong

-read data : methods the lower camel case format is wrong

-remove data : methods the lower camel case format is wrong

- FileSaver

.-line 15 - 17 : deadcode

Verification

Validation