

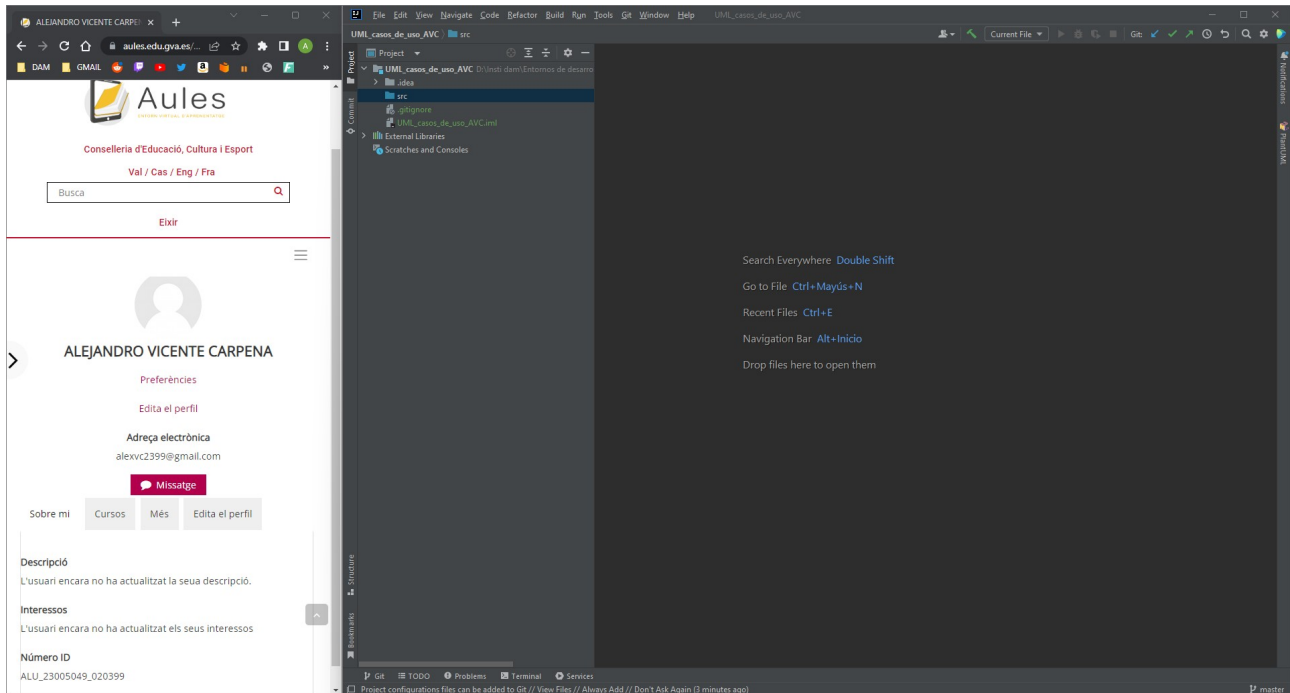
Memoria Clases de uso con PlantUml

Alejandro Vicente Carpena

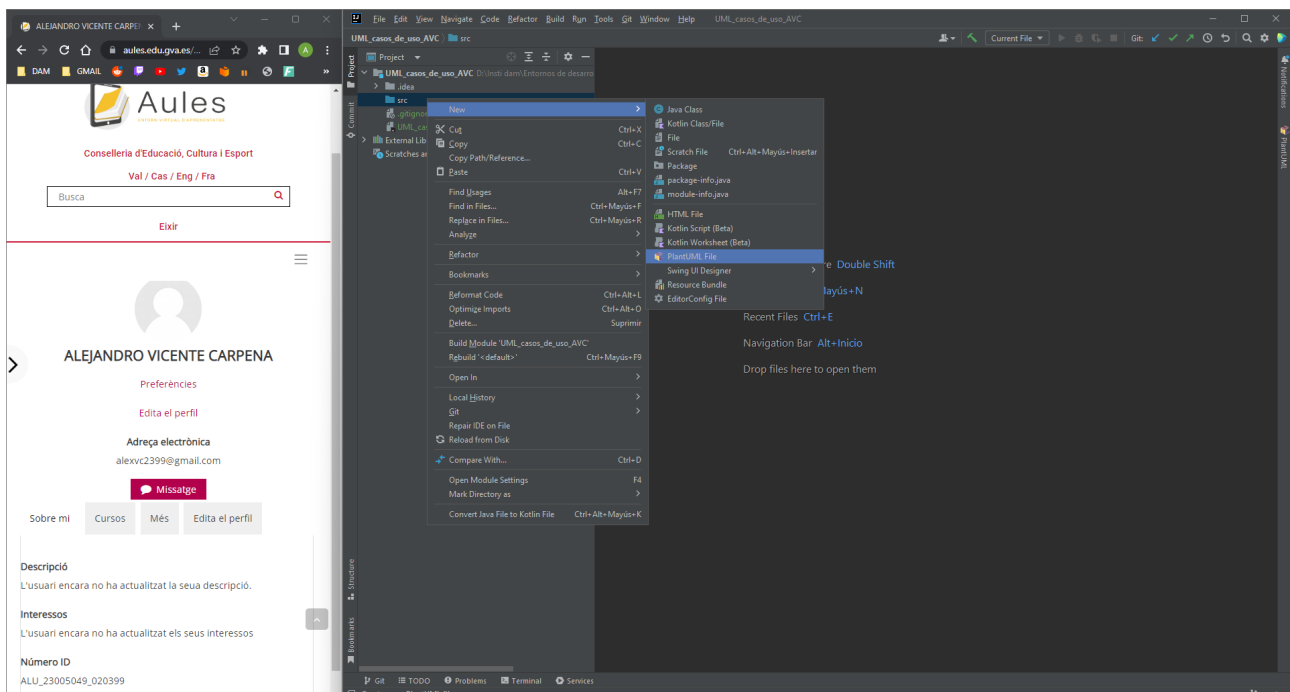
ENLACE AL REPOSITORIO:

https://github.com/alexvc991/1--UML_clases_de_uso_AVC/tree/Memoria

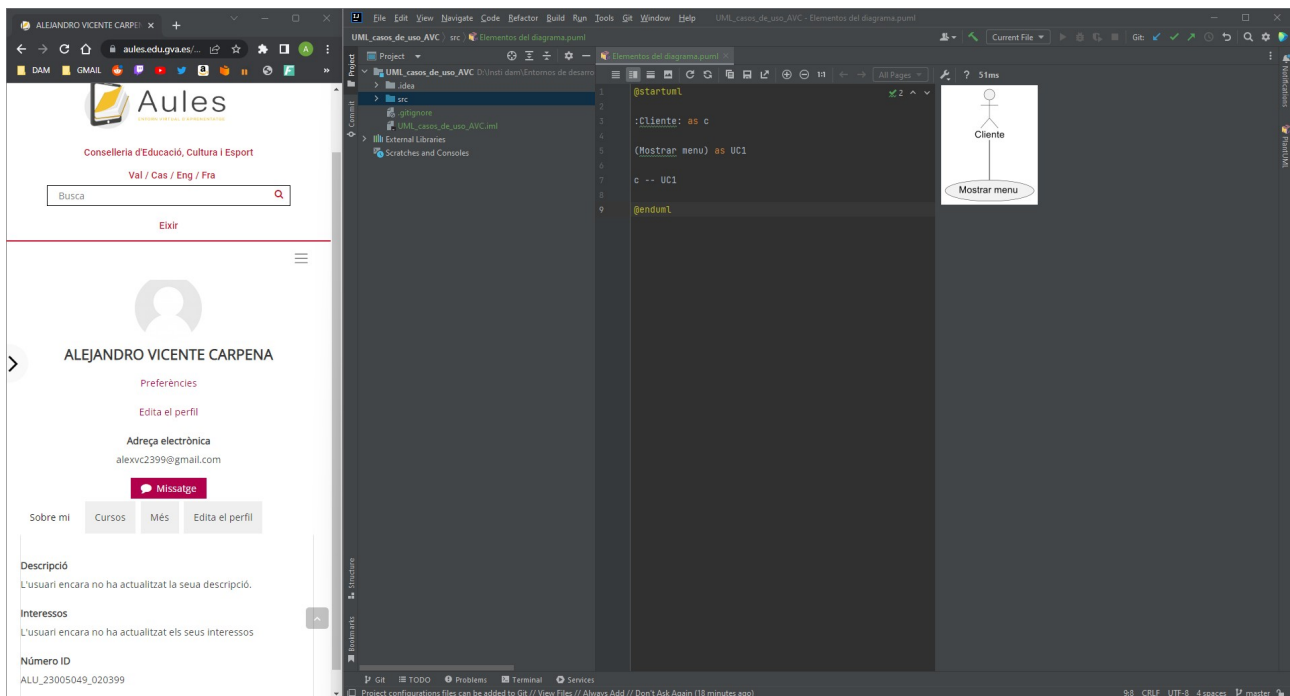
El primer paso de la practica seria crear un nuevo proyecto de java en intelliJ y crear un repositorio del proyecto



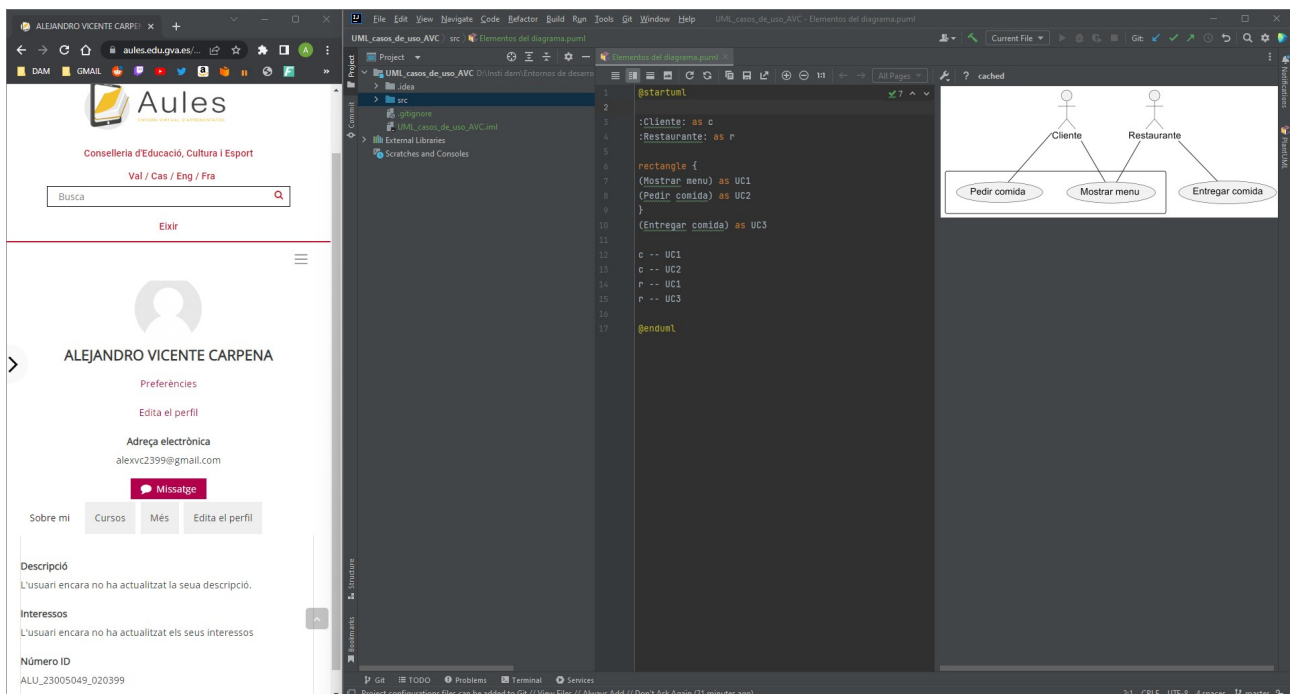
Una vez tenemos el proyecto, creamos un archivo plantuml



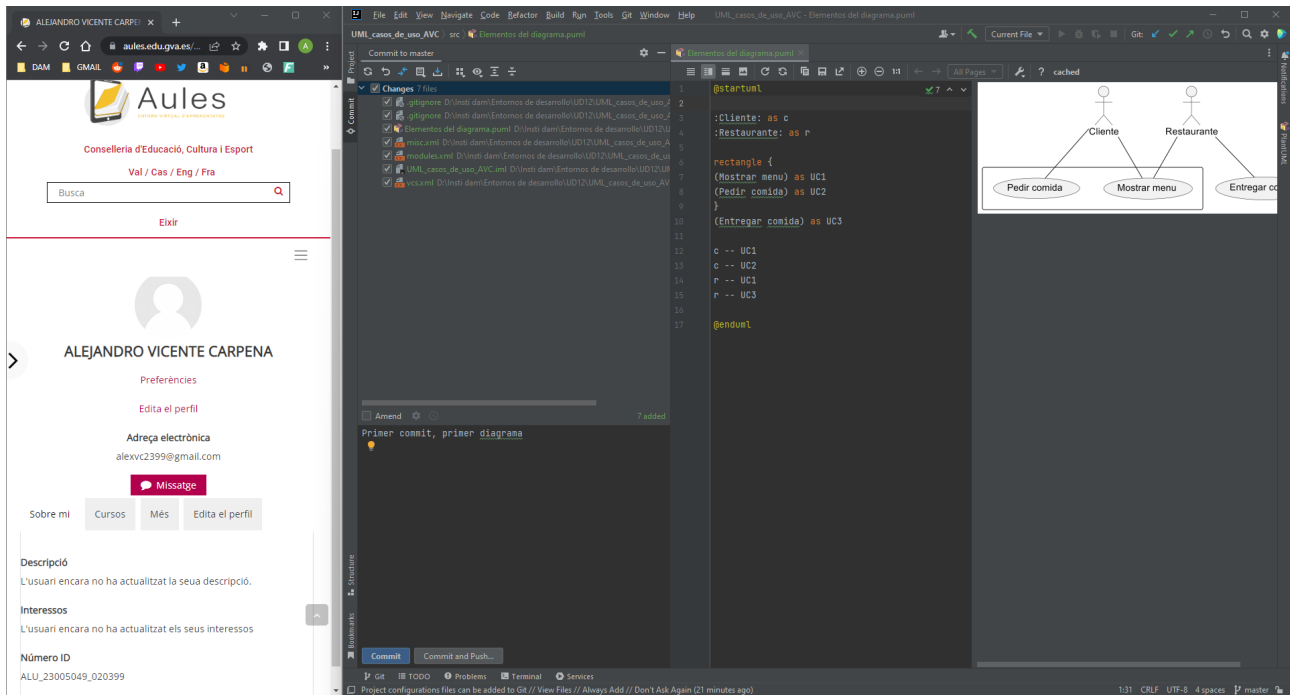
Este seria el resultado del primer diagrama.



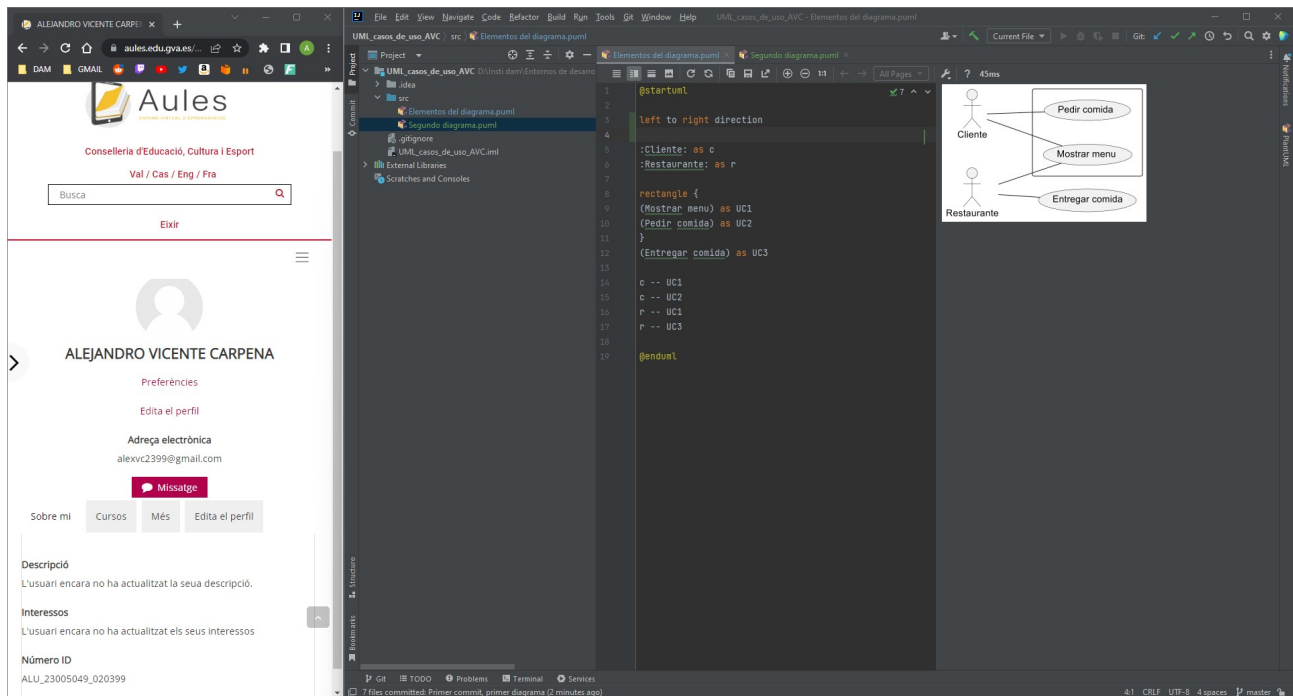
Como el segundo diagrama simplemente amplia al primero, he pensado mantenerlos como si fuese uno. Así quedaria el primer diagrama actualizado



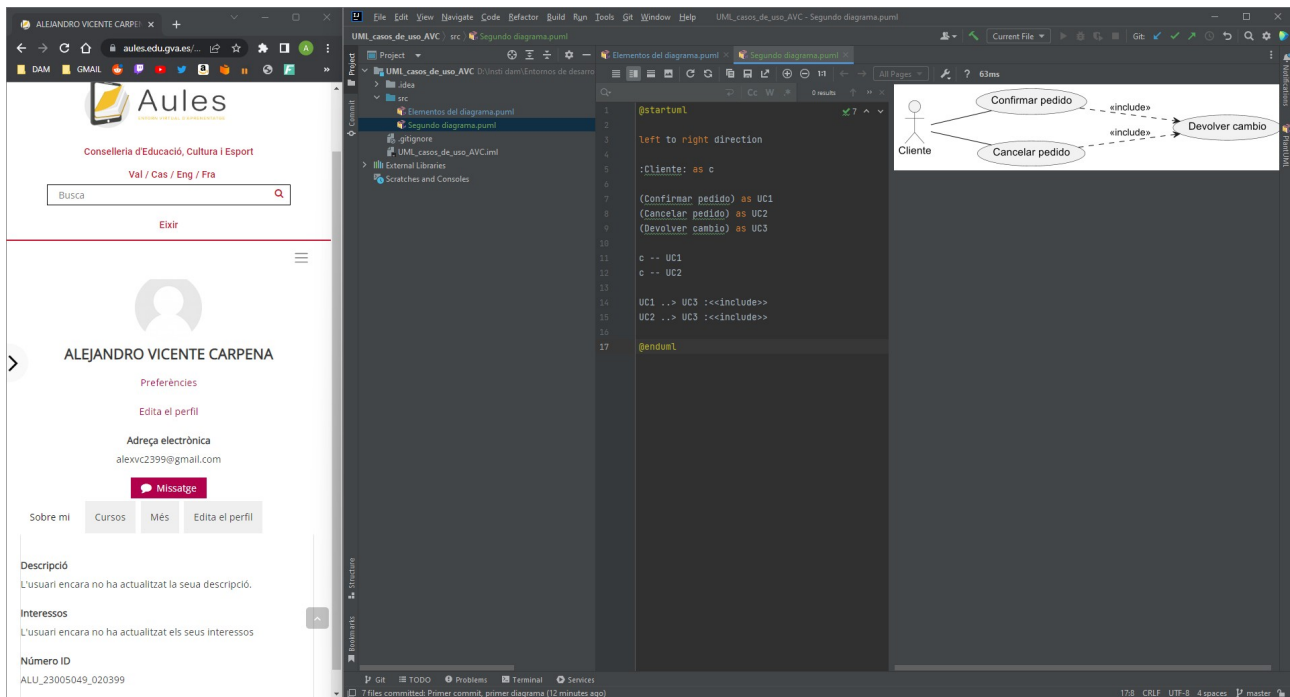
Y realizo el primer commit



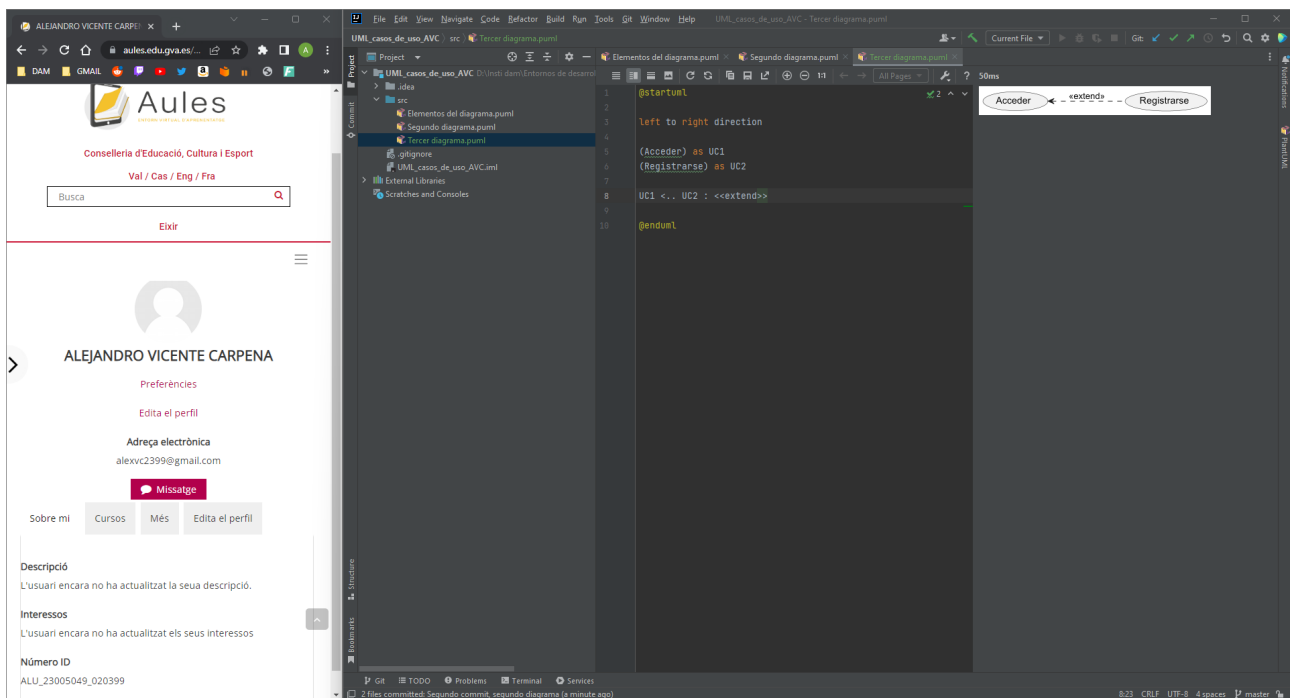
Despues de haber realizado el primer commit, he visto una linea interesante (left to right direction) que nos dejaria el diagrama mas parecido al diagrama del ejemplo



El resultado del segundo diagrama seria el siguiente



Asi quedaria el tercer diagrama



Este seria el resultado del cuarto diagrama.
En este me habia equivocado en la practica, ya que no me habia fijado que la relacion entre pagar y pagar con tarjeta y efectivo .
Pero asi quedaria el resultado final

The screenshot shows a web browser on the left with the Aules website and a user profile for Alejandro Vicente Carpena. On the right, an IDE displays the fourth UML diagram, which is a Use Case diagram. The diagram shows a central use case 'Pagar' connected to two other use cases: 'Pagar con tarjeta' and 'Pagar en efectivo'. The code editor shows the following text:

```
@startuml
(Pagar) as UC1
(Pagar con tarjeta) as UC2
(Pagar en efectivo) as UC3
UC1 <-- UC2
UC1 <-- UC3
@enduml
```

The IDE also shows a list of commits in the bottom right corner, including 'Decimo commit, decimo diagrama', 'Noveno commit, noveno diagrama', and 'Octavo commit, arreglo el codigo del septimo diagrama, que me habia equivocado en el codigo'.

Este seria el quinto.
En este tambien me habia equivocado con la flecha, pero asi quedaria corregido

The screenshot shows the same web browser on the left. On the right, the IDE displays the fifth UML diagram, which is a Use Case diagram. The diagram shows a central use case 'Reservar vuelo' connected to two other use cases: 'Elegir asientos' and 'Reservar vuelo'. The code editor shows the following text:

```
@startuml
left to right direction
:Cliente: as c
:Cliente VIP: as cv
(Reservar vuelo) as UC1
(Elegir asientos) as UC2
c -- UC1
cv -- UC2
c <-- cv
@enduml
```

The IDE also shows a list of commits in the bottom right corner, including 'Arreglo el cuarto diagrama', 'Decimo commit, decimo diagrama', 'Noveno commit, noveno diagrama', and 'Octavo commit, arreglo el codigo del septimo diagrama, que me habia equivocado en el codigo'.

El sexto diagrama

The screenshot displays a web browser on the left and an IDE on the right. The browser shows the profile of ALEJANDRO VICENTE CARPENA on the Aules platform. The IDE shows the 'Sexto diagrama.puml' file with the following content:

```
1 @startuml
2 left to right direction
3
4 :Cliente: as c
5
6 (Meter dinero) as UC1
7 (Pedir azucar) as UC2
8 (Pedir producto) as UC3
9 (Cancelar) as UC4
10 (Devolver dinero) as UC5
11
12 c -- UC1
13 c -- UC2
14 c -- UC3
15 c -- UC4
16
17 UC3 ..> UC5 :<<include>>
18 UC4 ..> UC5 :<<include>>
19
20 @enduml
```

The diagram on the right illustrates the relationships between the actor 'Cliente' and the use cases 'Meter dinero', 'Pedir azucar', 'Pedir producto', 'Cancelar', and 'Devolver dinero'. 'Devolver dinero' is included by both 'Cancelar' and 'Pedir producto'.

El septimo diagrama.

En este diagrama tambien me habia equivocado al igual que antes, pero asi quedaria corregido

The screenshot displays a web browser on the left and an IDE on the right. The browser shows the profile of ALEJANDRO VICENTE CARPENA on the Aules platform. The IDE shows the 'Septimo diagrama.puml' file with the following content:

```
1 @startuml
2 left to right direction
3
4 new Actor: as a
5
6 (Identificarse) as UC1
7 (Pagar) as UC2
8 (Elegir mensajero) as UC3
9 (Confirmar) as UC4
10 (Registrarse) as UC5
11 (Pagar con tarjeta) as UC6
12 (Pagar con transferencia) as UC7
13
14 a -- UC1
15 a -- UC2
16 a -- UC3
17 a -- UC4
18
19 UC1 <-- UC5 :<<extend>>
20 UC2 <-- UC6
21 UC2 <-- UC7
22
23 @enduml
```

The diagram on the right illustrates the relationships between the actor 'new Actor' and the use cases 'Identificarse', 'Pagar', 'Elegir mensajero', 'Confirmar', 'Registrarse', 'Pagar con tarjeta', and 'Pagar con transferencia'. 'Identificarse' is extended by 'Registrarse', and 'Pagar' is associated with both 'Pagar con tarjeta' and 'Pagar con transferencia'.

Resultado del octavo diagrama

The screenshot displays a development environment with three main components:

- Browser (Left):** Shows the Aules website. The user profile for ALEJANDRO VICENTE CARPENA is visible, including a search bar, navigation links (Sobre mi, Cursos, Més, Editar el perfil), and a description section.
- IDE (Middle):** Shows the project structure for 'UML_casos_de_uso_AVC'. The 'Octavo diagrama.puml' file is selected in the 'src' directory.
- Code Editor (Right):** Contains the UML Use Case diagram for the eighth diagram. The diagram shows two actors: 'Usuario' and 'Administrador'. 'Usuario' is associated with use cases: 'Iniciar sesion', 'Recuperar contraseña', 'Modificar contraseña', 'Cerrar sesion', 'Registrar usuario', and 'Instalar programa'. 'Administrador' is associated with 'Instalar programa'. The code defines the use cases and their relationships.

```
@startuml
left to right direction
:Usuario: as u
:Administrador: as a

(Iniciar sesion) as UC1
(Recuperar contraseña) as UC2
(Modificar contraseña) as UC3
(Cerrar sesion) as UC4
(Registrar usuario) as UC5
(Instalar programa) as UC6

u -- UC1
u -- UC2
u -- UC3
u -- UC4
u -- UC5
u -- UC6

a -- UC6

u <|-- a

@enduml
```

Resultado del noveno diagrama

The screenshot displays a development environment with three main components:

- Browser (Left):** Shows the Aules website. The user profile for ALEJANDRO VICENTE CARPENA is visible, including a search bar, navigation links (Sobre mi, Cursos, Més, Editar el perfil), and a description section.
- IDE (Middle):** Shows the project structure for 'UML_casos_de_uso_AVC'. The 'Noveno diagrama.puml' file is selected in the 'src' directory.
- Code Editor (Right):** Contains the UML Use Case diagram for the ninth diagram. The diagram shows two actors: 'Ciudadano' and 'Ciudadano extranjero'. 'Ciudadano' is associated with use cases: 'Registrar entrada' and 'Tomar huellas'. 'Ciudadano extranjero' is associated with 'Tomar huellas'. The code defines the use cases and their relationships, including an 'extend' relationship between 'Registrar entrada' and 'Tomar huellas'.

```
@startuml
left to right direction
:Ciudadano: as c
:Ciudadano extranjero: as ce

(Registrar entrada) as UC1
(Tomar huellas) as UC2

c -- UC1
ce -- UC2

c <|-- ce

UC1 <.. UC2 : <<extend>>

@enduml
```


Y el resultado del decimo y ultimo diagrama.
En este caso no he logrado encontrar la forma de enlazar la nota con el enlace entre sacar dinero y retener tarjeta, asi que lo he dejado lo mas cercano posible

The image shows a dual-screen setup. On the left is a web browser displaying the profile of 'ALEJANDRO VICENTE CARPENA' on the 'Aules' website. The profile includes a search bar, a menu with 'Sobre mi', 'Cursos', 'Més', and 'Edita el perfil', and sections for 'Descripció', 'Interessos', and 'Número ID' (ALU_23005049_020399). On the right is a code editor showing UML code for a diagram. The code includes use cases for 'Sacar dinero' and 'Retener tarjeta', with an extension relationship between them. A diagram preview on the right side of the code editor shows two green ovals: 'Sacar dinero +solicitud hecha' and 'Retener tarjeta', connected by a dashed line with a note box containing the condition '(historia sospechosa)' and the extension point 'solicitud hecha'.

```
1 @startuml
2
3 usecase UC1 #palegreen;line:green; as "Sacar dinero"
4 ..
5 +solicitud hecha"
6
7 usecase #palegreen;line:green; UC2 as "Retener tarjeta"
8
9 UC1 <-- UC2 #green;line:dotted; : «Extend»
10
11 note top of link #lightyellow;line:black;
12 Description
13 --
14 condición:
15   {historia sospechosa }
16 punto de extensión:
17   solicitud hecha
18 end note
19
20 @enduml
```