

DIEGO SEVERO OCHOA

# ENTORNOS DE DESARROLLO

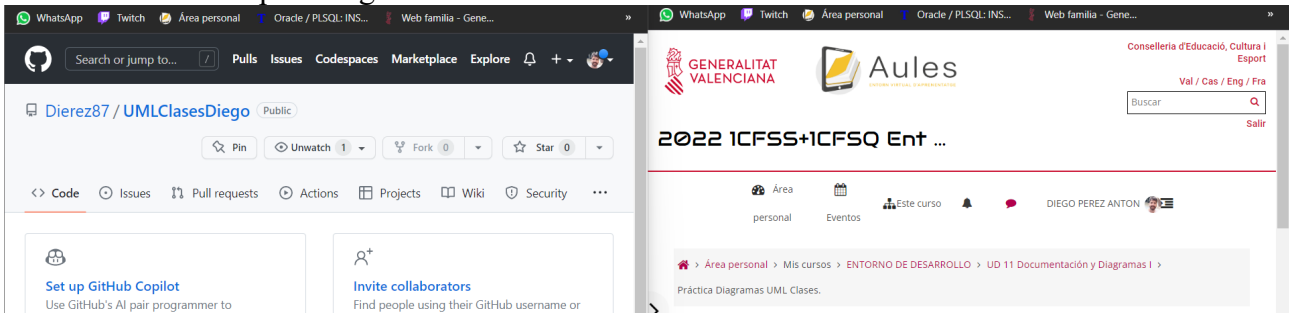


DIEGO PEREZ ANTON  
2022/2023

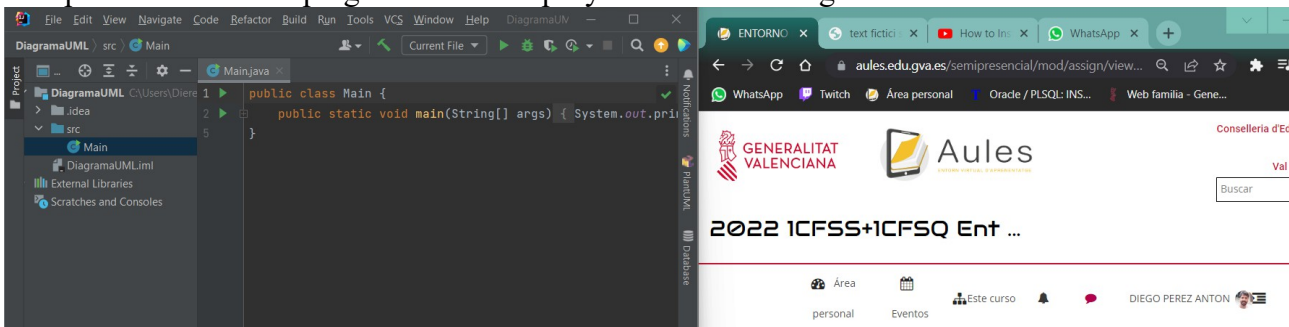
# Práctica Diagramas UML Clases.

Link para mi directorio de github: <https://github.com/Dierez87/UMLClasesDiego.git>

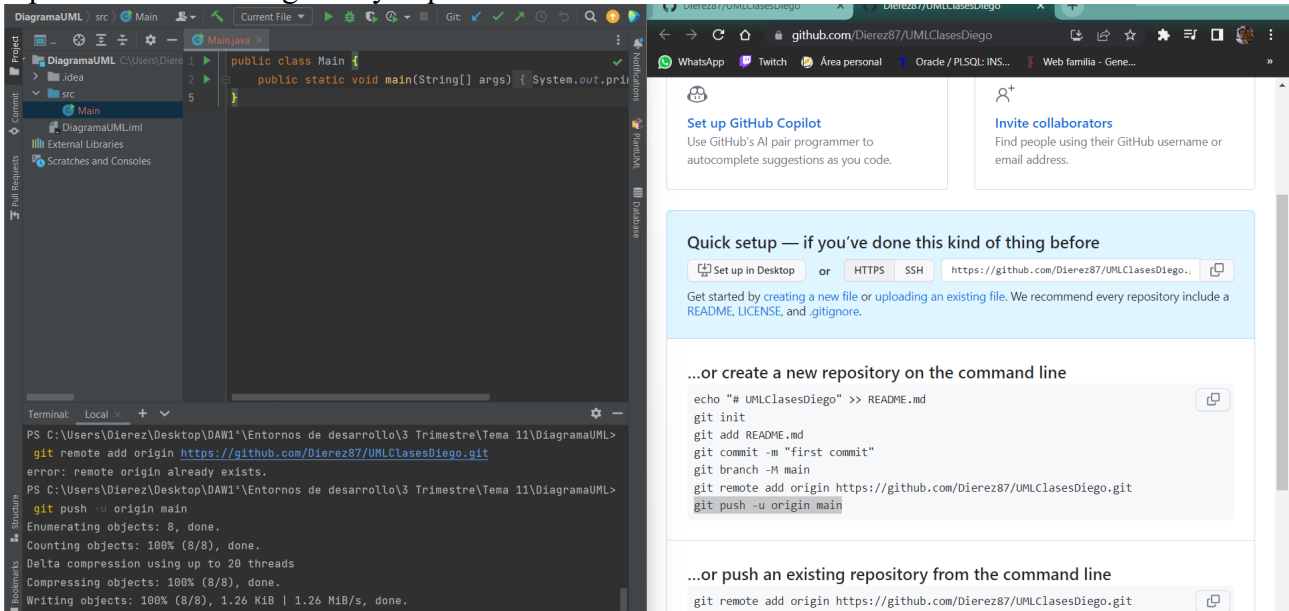
-Primero creo la carpeta en github:



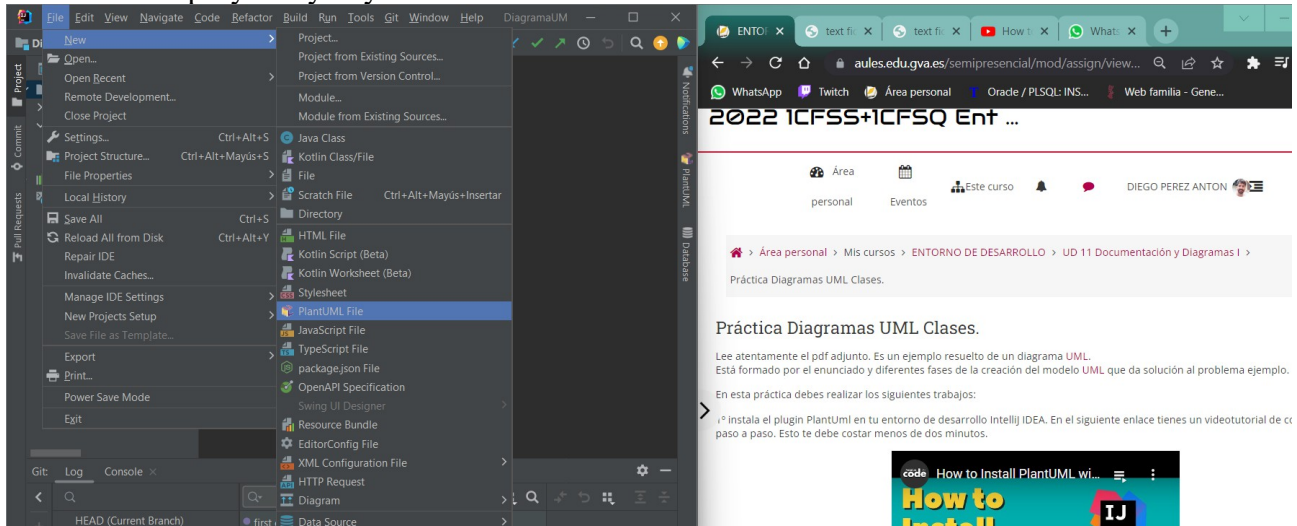
-Después de instalar el plugin creo nuevo proyecto llamado DiagramaUML:



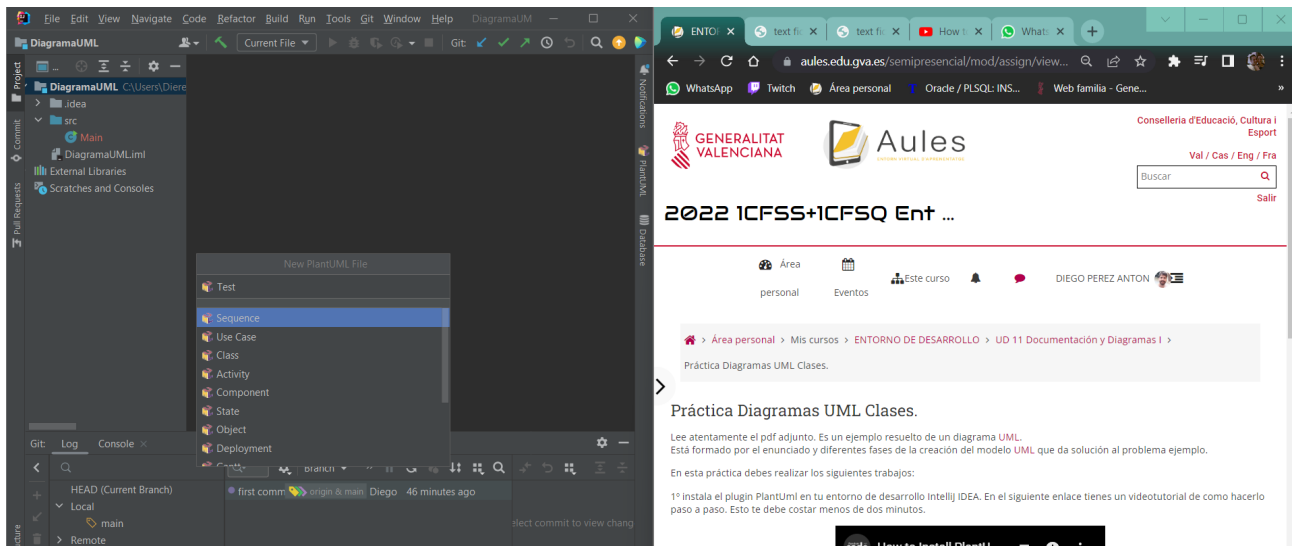
-En la consola, introduzco las siguientes líneas que están en github para iniciar y unir el proyecto al repositorio creado en github y el primer commit:



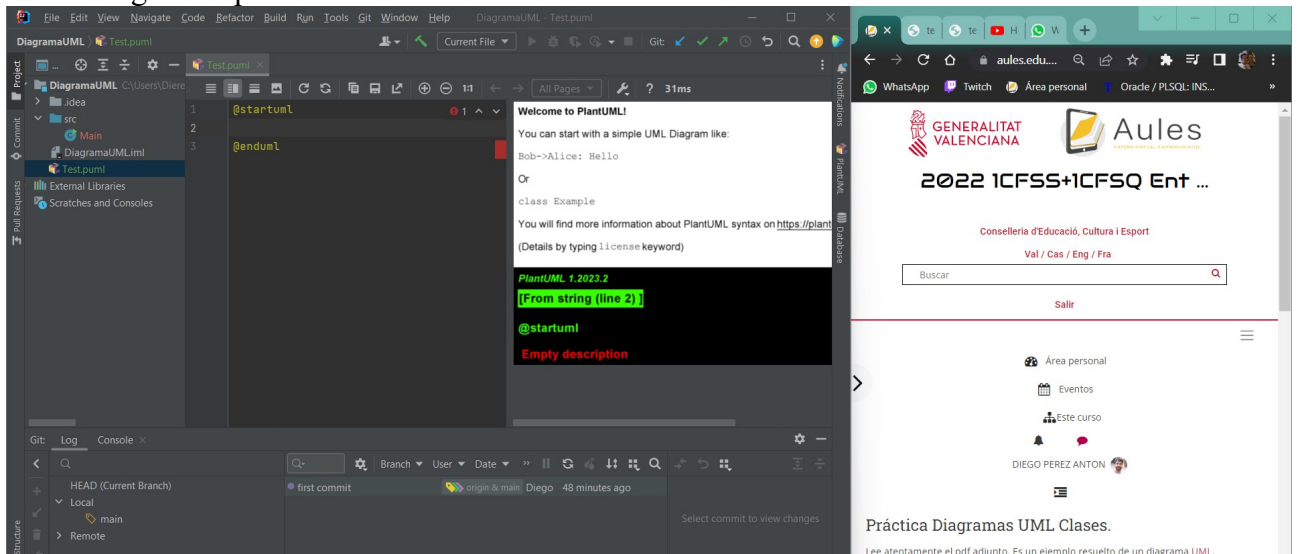
-Selecciono el proyecto y doy a PlantUML file:



-La llamo Test:

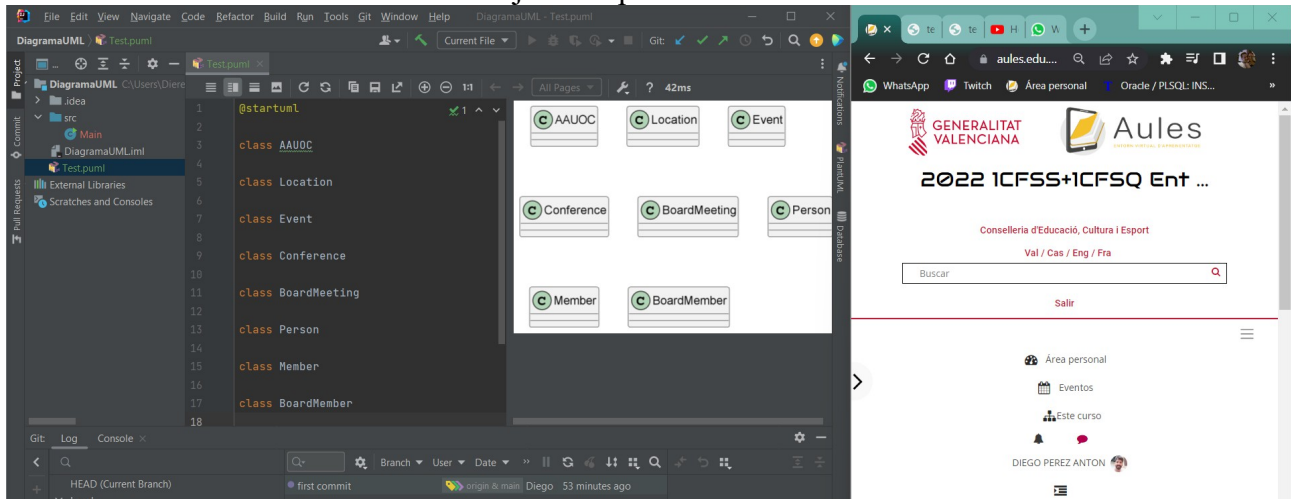


-Ya lo tengo listo para introducir las clases:

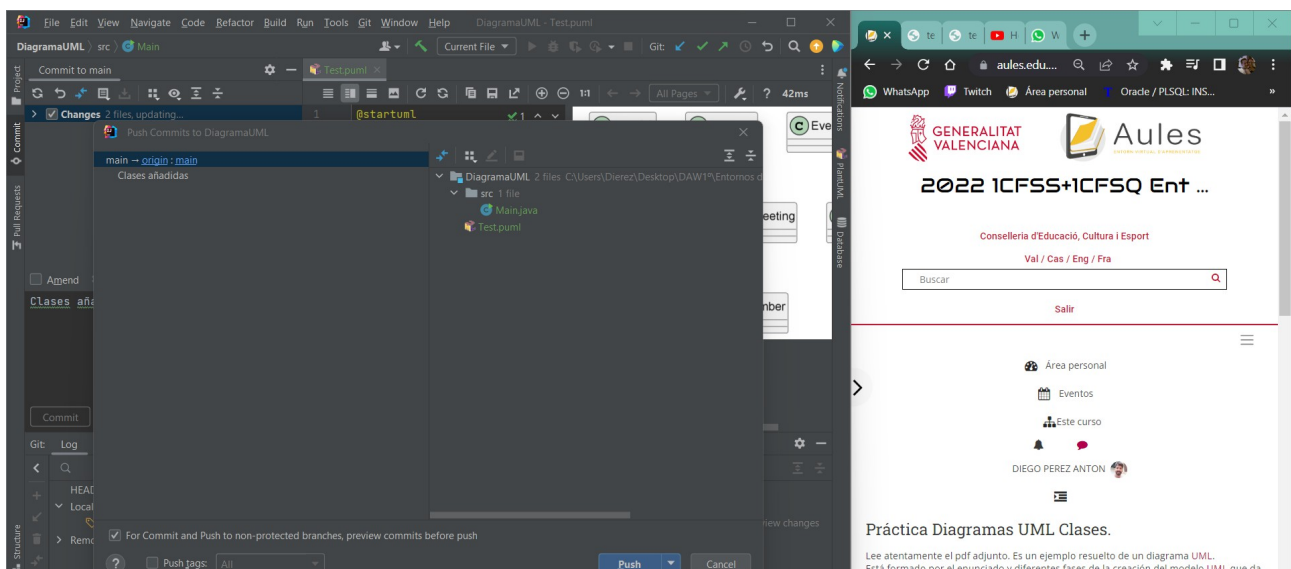
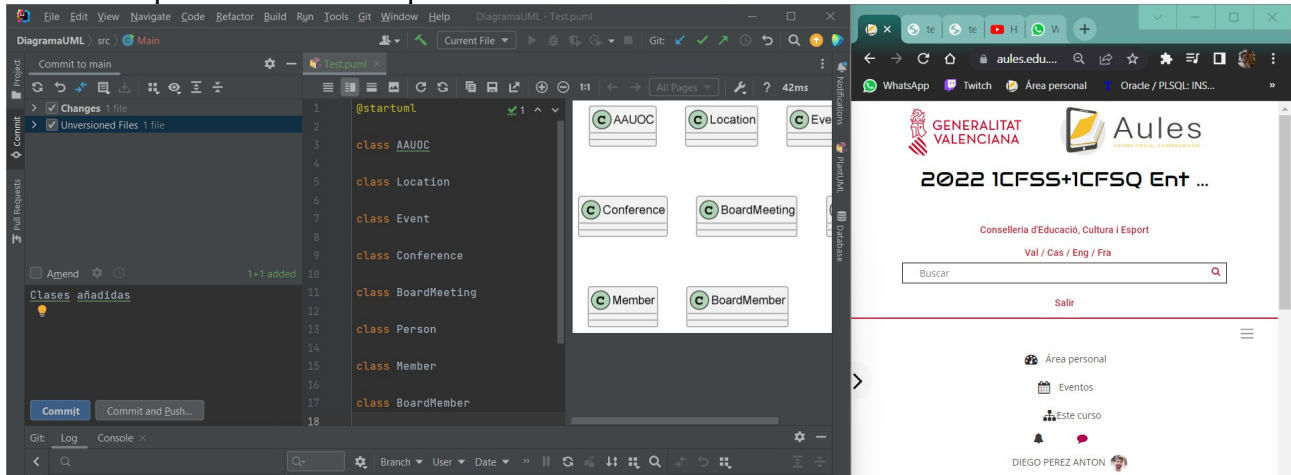




-Ahora introduzco todas las clases del ejercicio.pdf:



-Realizo el primer commit and push:



-Ya tengo hecho el commit and push:

The screenshot shows the IntelliJ IDEA interface with the DiagramaUML plugin. The left sidebar displays the 'Changes' panel with 'Clases añadidas' (Classes added) and a 'Commit and Push...' button. The main editor shows a UML class diagram with classes: AAUOC, Location, Event, Conference, BoardMeeting, Person, Member, and BoardMember. The right sidebar shows the 'Git' panel with a log of commits. In the background, a web browser displays the Aules portal (Aules 2022 1CFSS+1CFSSQ Ent ...) with a search bar and navigation links.

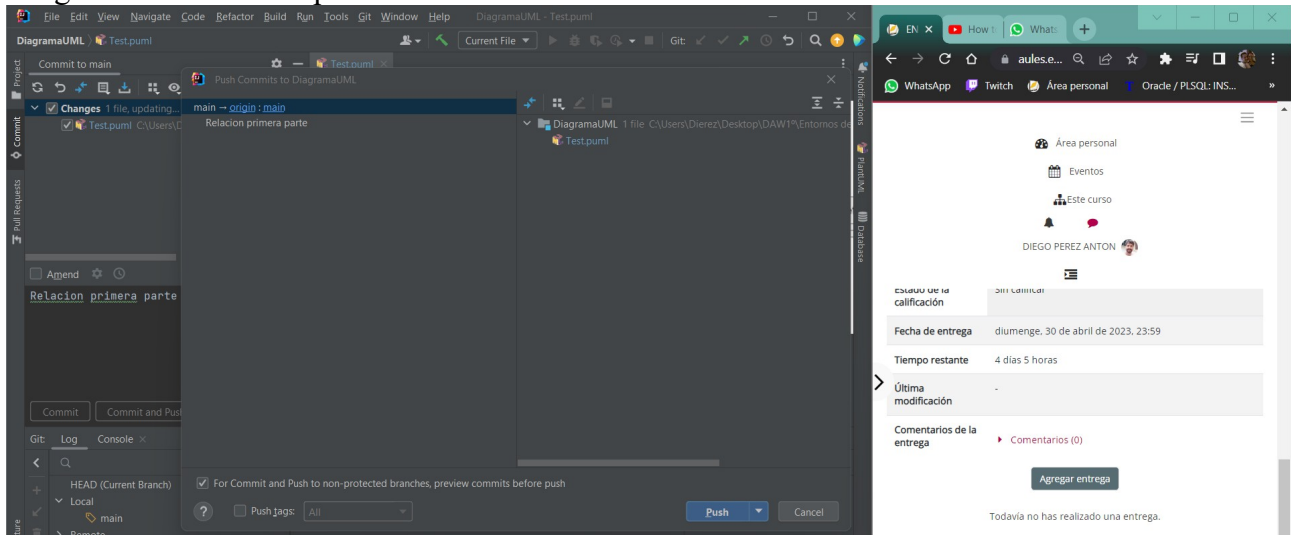
-Ahora pongo las jerarquía, empiezo con las clases Event, Conference y BoardMeeting:

The screenshot shows the IntelliJ IDEA interface with the DiagramaUML plugin. The left sidebar displays the 'Changes' panel with 'Clases añadidas' (Classes added) and a 'Commit and Push...' button. The main editor shows a UML class diagram with classes: Event, Conference, BoardMeeting, Person, Member, and BoardMember. The right sidebar shows the 'Git' panel with a log of commits. In the background, a web browser displays the Aules portal (Aules 2022 1CFSS+1CFSSQ Ent ...) with a search bar and navigation links.

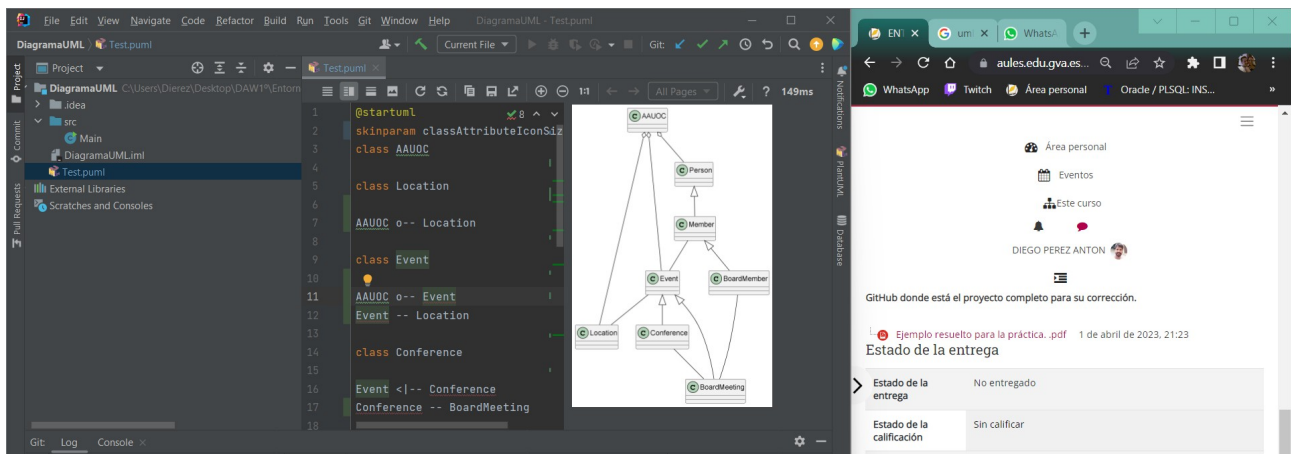
-Ahora la jerarquía entre las clases Person, Member y BoardMember:

The screenshot shows the IntelliJ IDEA interface with the DiagramaUML plugin. The left sidebar displays the 'Changes' panel with 'Clases añadidas' (Classes added) and a 'Commit and Push...' button. The main editor shows a UML class diagram with classes: Event, Conference, BoardMeeting, Person, Member, and BoardMember. The right sidebar shows the 'Git' panel with a log of commits. In the background, a web browser displays the Aules portal (Aules 2022 1CFSS+1CFSSQ Ent ...) with a search bar and navigation links.

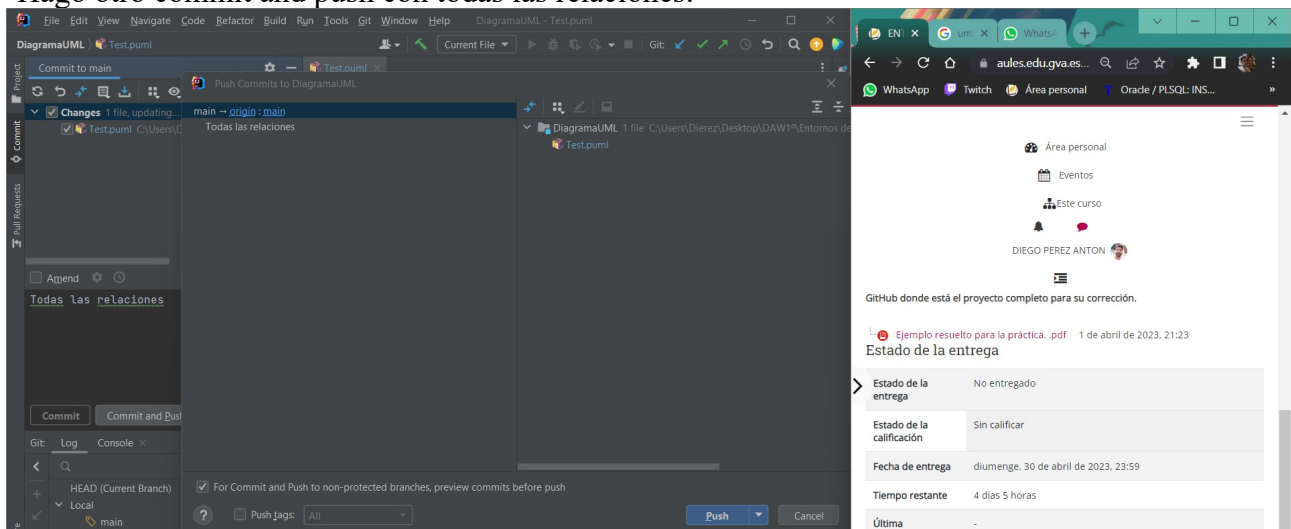
-Hago otro commit and push:



-Además, tenemos las clases Localización (Location) y Asociación (AAUOC), que se relacionan con el resto de clases del siguiente modo:



-Hago otro commit and push con todas las relaciones:



-Ahora añado toda la información de las clases:

The DiagramaUML interface shows the following code:

```

@startuml
skinparam classAttributeIconSize
class AAUOC {
+newLocation(L : Location) : void
+newEvent(e : Event) : void
+newPerson(p : Person) : void
+informEvent(e : Event) : void
+register(m : Member, e : Event) : void
}
class Location {
+description : String
+address : String
}
AAUOC o-- Location
class Event {
+date : Date
+description : String
+assign(L : Location) : void
}
class Person {
+name : String
}
class Member {
+e-mail : String
}
class BoardMember {
+max_attendees : Integer
}
AAUOC --> Event
Event --> Location
Event --> Member
Event --> BoardMember
Person --|> Member
Member --|> BoardMember

```

The Aules website shows the header with 'GENERALITAT VALENCIANA' and 'Aules', a search bar, and navigation links for 'Área personal', 'Eventos', and 'Este curso'.

-Hago commit and push con los datos introducidos:

The DiagramaUML interface shows the 'Push' button highlighted in the bottom right corner. The Aules website shows the same navigation links as the previous screenshot.

-Ahora pongo las cardinalidades:

The DiagramaUML interface shows the following code:

```

Event <|-- Conference
Conference -- BoardMeeting

class BoardMeeting

Event <|-- BoardMeeting

class Person {
+name : String
}

AAUOC o-- "0..*" Person
Person "0..*" -- "0..*" Conference

class Member {
+e-mail : String
}

Person <|-- Member
Member "0..*" -- "0..*" Event

class BoardMember

Member <|-- BoardMember
BoardMember "0..*" -- "0..*" BoardMeeting

@enduml

```

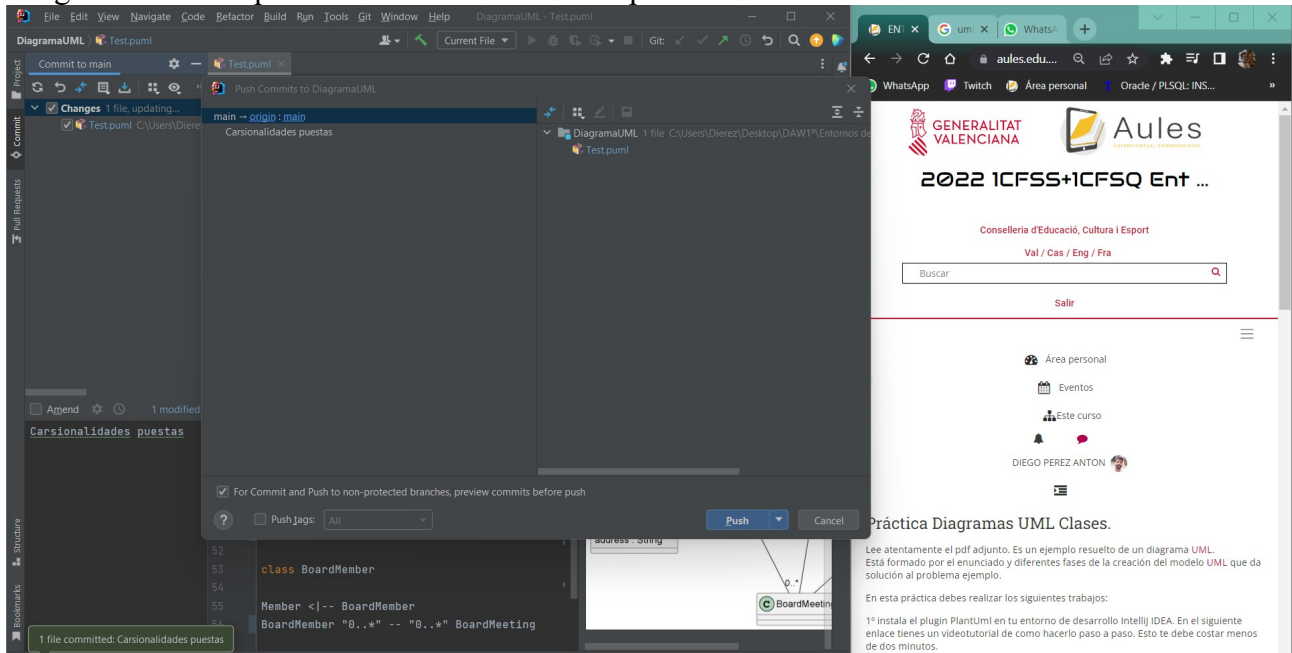
The UML class diagram shows the following relationships:

- AAUOC (0..\*) -- (0..\*) Person
- Person (0..\*) -- (0..\*) Conference
- Person (0..\*) -- (0..\*) Member
- Member (0..\*) -- (0..\*) Event
- Member (0..\*) -- (0..\*) BoardMember
- Event (0..\*) -- (0..\*) Location
- Event (0..\*) -- (0..\*) BoardMember
- BoardMember (0..\*) -- (0..\*) BoardMeeting

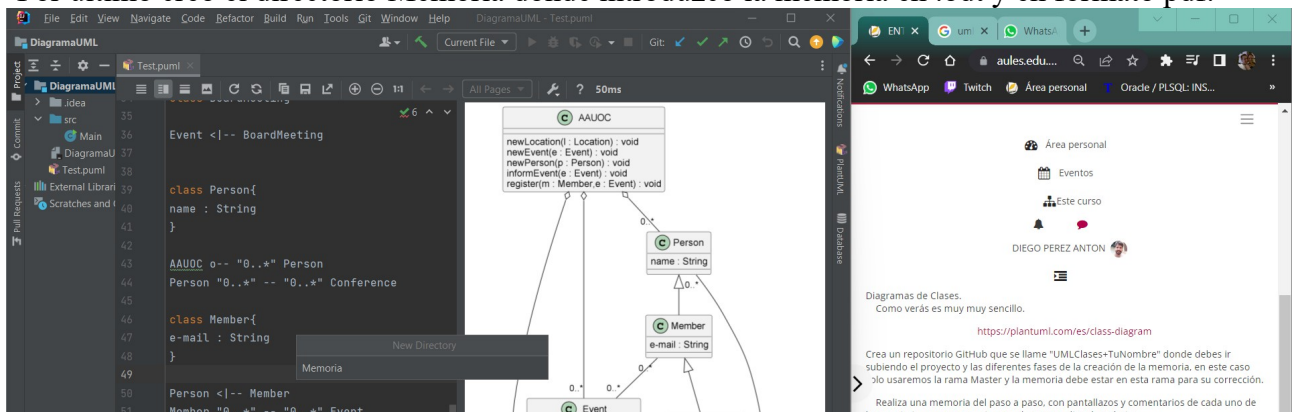
The Aules website shows the same navigation links as the previous screenshots.



-Hago commit and push con las cardinalidades puestas:



-Por último creo el directorio Memoria donde introduzco la memoria en .odt y en formato pdf:



-Arrastro las memorias en .odt y pdf al directorio Memoria y hago commit and push para que quede todo en el repositorio de github.