

# UML Project

## Topic: Web&Game

The project Web&game is a website that will offer users the opportunity to play video games. Users will be able to create an account and can pay to have a premium account. Every user will be able to play Pacman. However, by taking a premium account, you will be able to have access to Roblox and Battlefield (Battlefield is only for 18 years old and plus). In addition, users will be able to send requests to moderators. Those requests will either be related to video games or related to “personal questions”. Moderators will therefore have a conversation with users. In addition, there will be an administrator of the website, he will be able to connect to an administrator account to add a new video game to the list of available games. The administrator can put the game either in the category of games for everyone or in the category of games for over 18 years old. In addition, he can also manage users’ subscription.

Diagram 1 (Romain GAS)

### *The user playing game.*

In this diagram we find all function an user has access. He can create an account, take a premium one (In addition, we note that there is a verification of the validity of the password), he can also play games and there are restrictions for certain games. Everyone can play Pacman. Only those with a premium account can play Roblox and only those with a premium account and over 18 years old can play Battlefield.

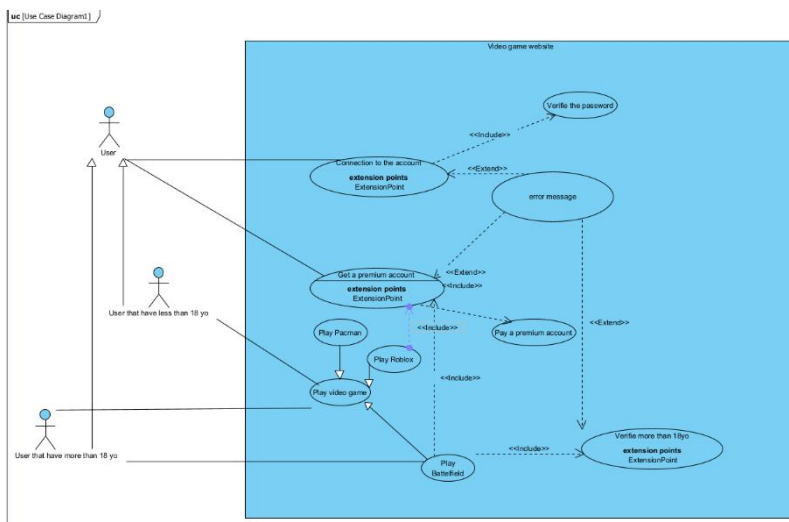
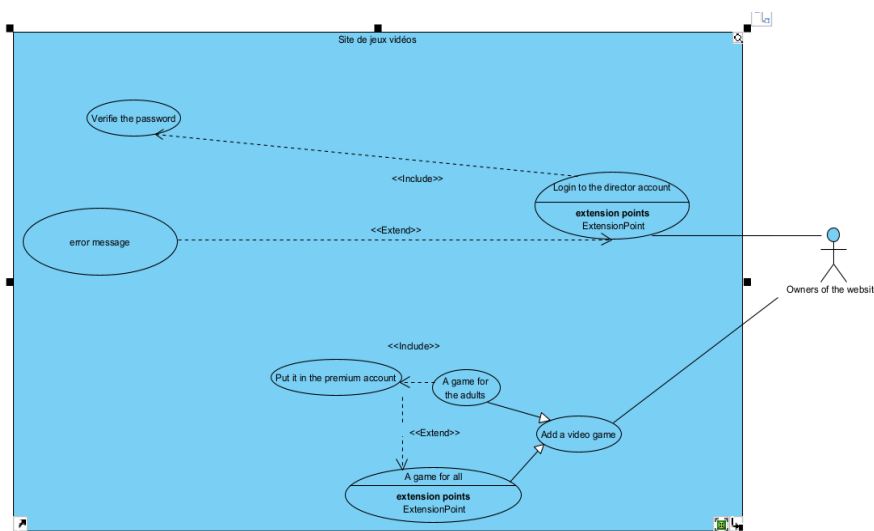


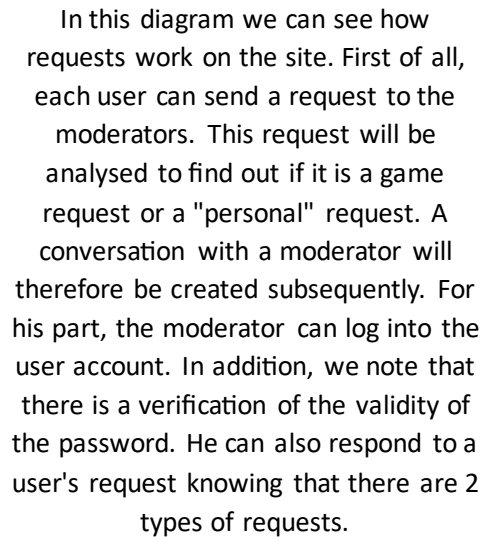
Diagram 2 (Florian POSCENTE)

### *The administrator adding a game.*

In this diagram we can see that the site administrator can log into his account. In addition, we note that there is a verification of the validity of the password. He can also add a video game to the site. He can choose if this game is for everyone, or for the premium subscription. However, if he puts it in the premium subscription then he can request that it is only for people over 18 years old.



Noé ROUX

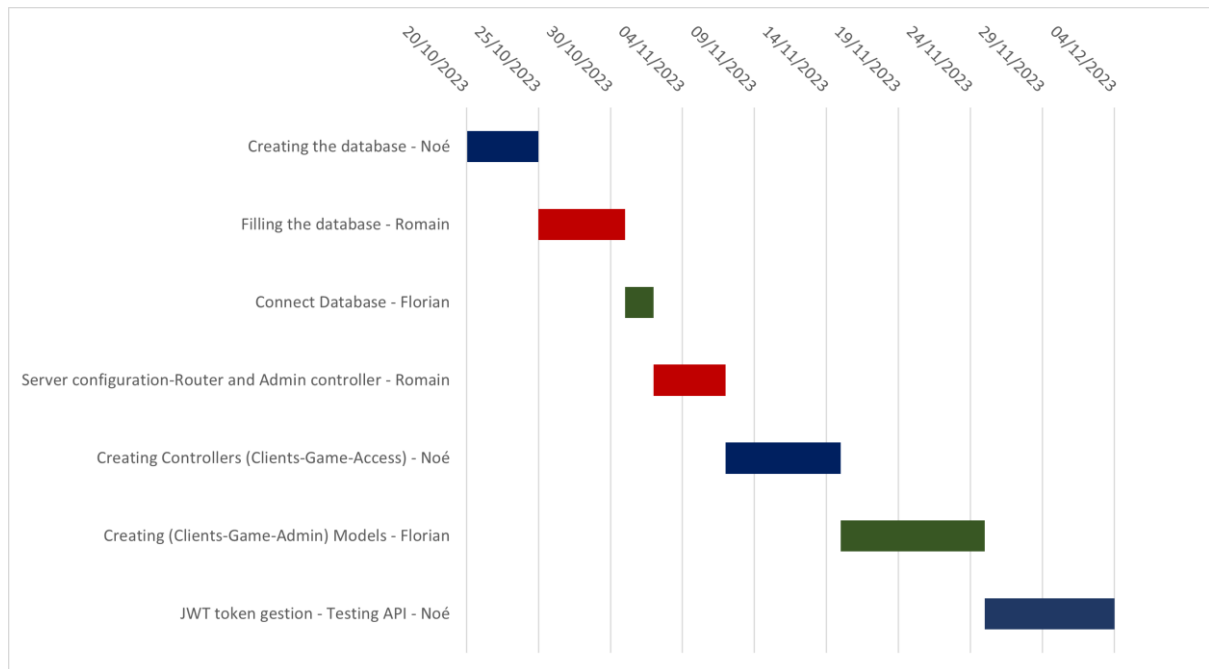
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Florian POSCENTE

Romain GAS

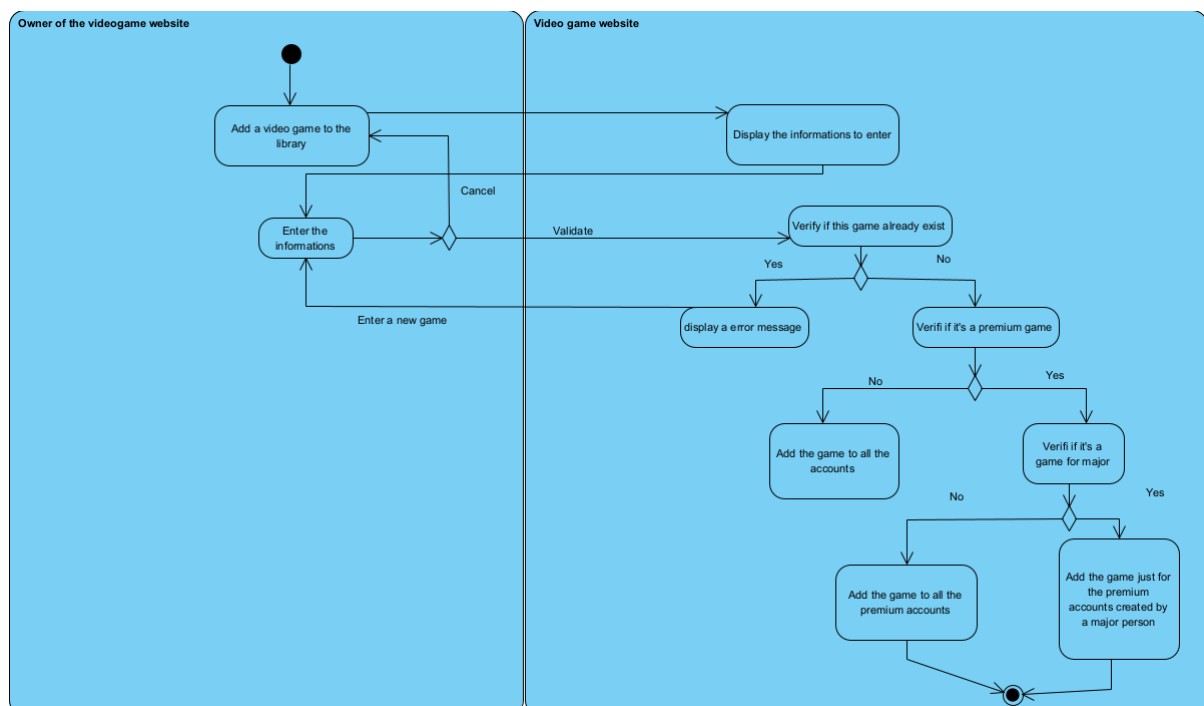
Noé ROUX

## Gantt Diagram For this project



## Activity Diagrams

To add a new game to the library:

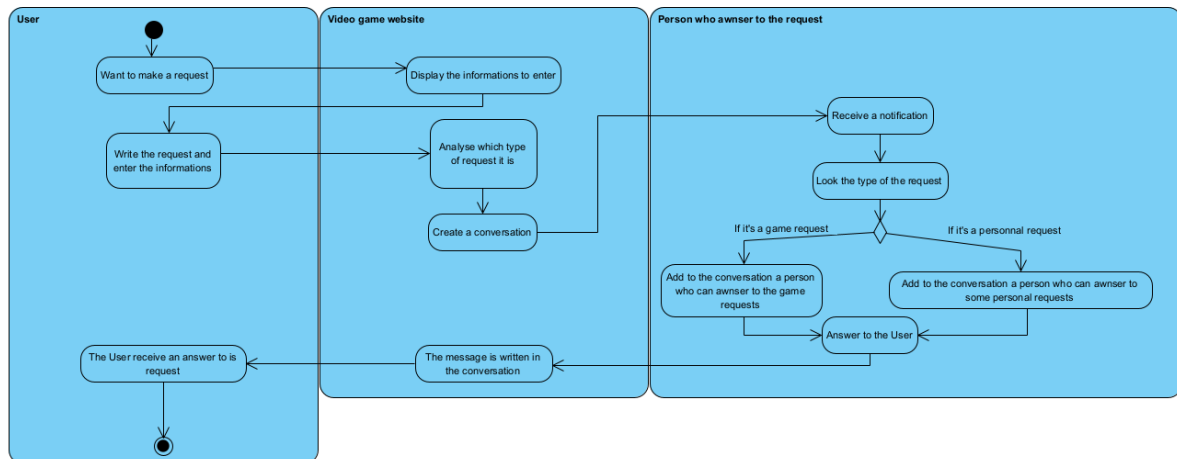


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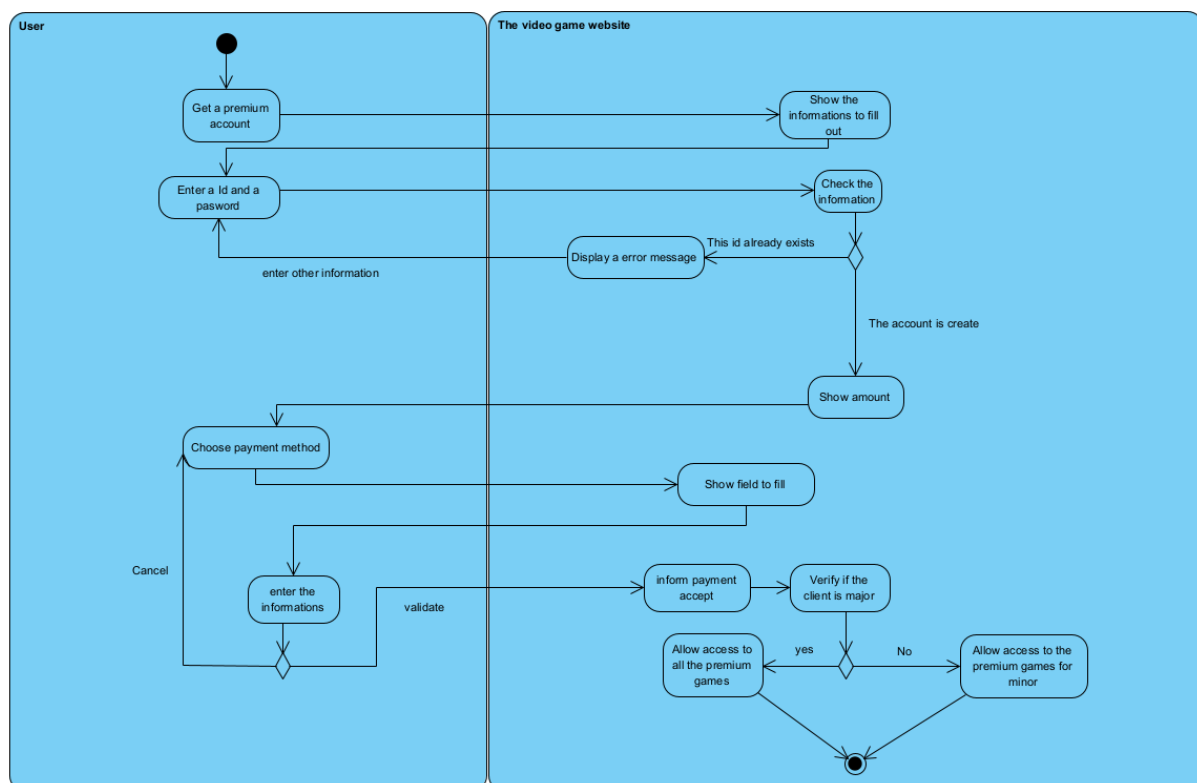
Romain GAS

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When a user want to make a request:



When a user subscribes to a premium account:



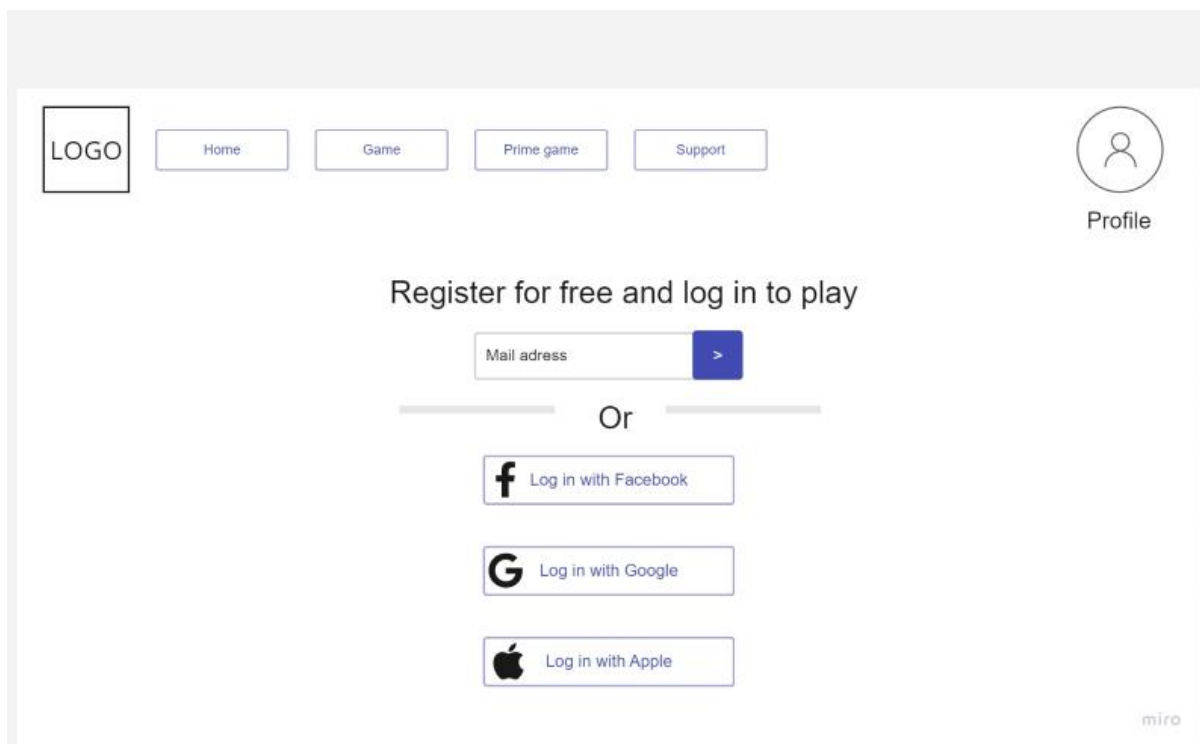
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## Some Wireframes about our Web Site

The home page:

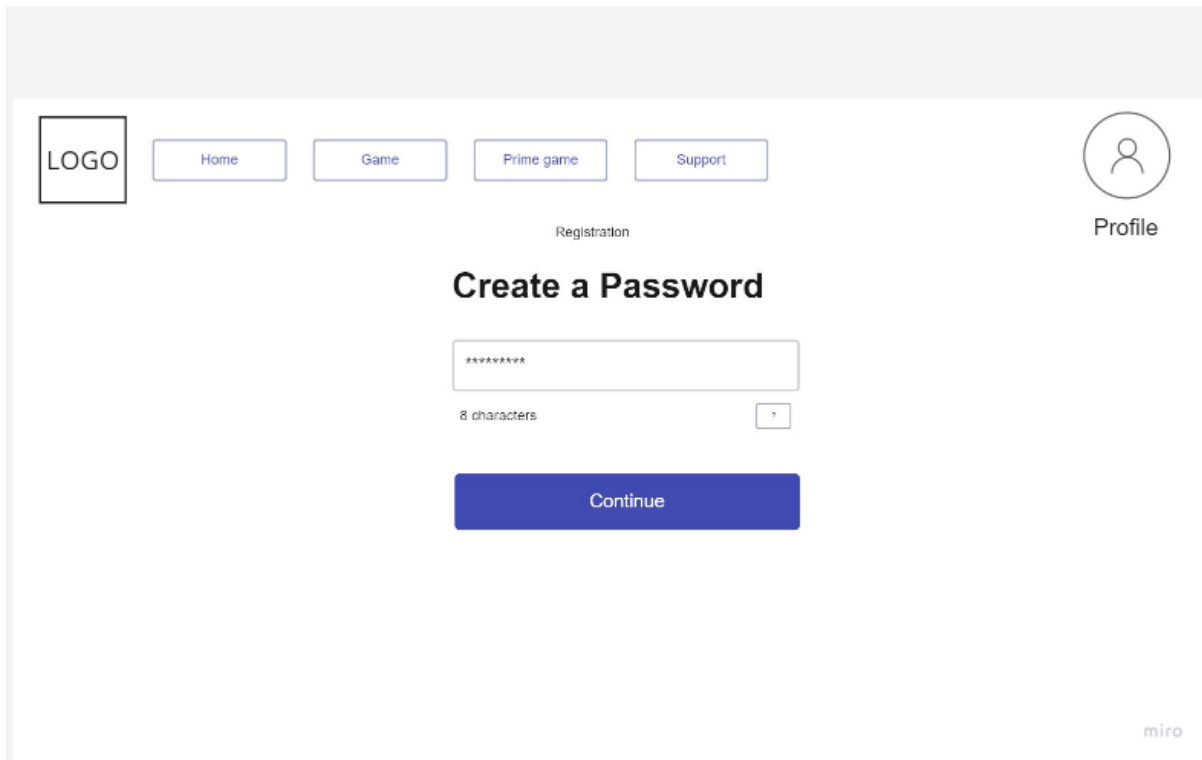


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## Registration Page:



The registration page features a light gray header bar. Below it, a navigation bar contains a 'LOGO' placeholder on the left and four buttons: 'Home', 'Game', 'Prime game', and 'Support'. On the right side of the navigation bar is a circular profile icon labeled 'Profile'. The main content area is titled 'Registration' and 'Create a Password'. It includes a password input field with a masked password '\*\*\*\*\*', a character count '8 characters', and a 'Continue' button. A 'miro' watermark is visible in the bottom right corner.

LOGO

Home Game Prime game Support

Registration

**Create a Password**

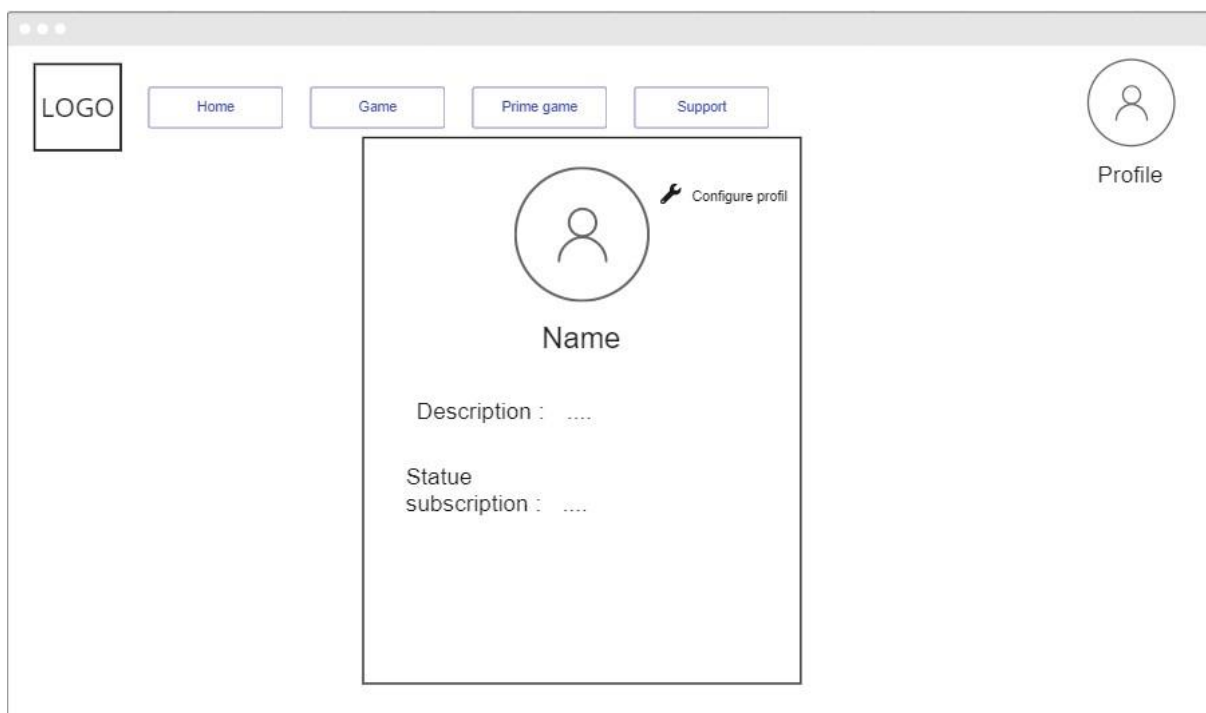
\*\*\*\*\*

8 characters

Continue

miro

## Profil Page:



The profile page features a light gray header bar. Below it, a navigation bar contains a 'LOGO' placeholder on the left and four buttons: 'Home', 'Game', 'Prime game', and 'Support'. On the right side of the navigation bar is a circular profile icon labeled 'Profile'. The main content area is a large box containing a profile card. The card has a circular profile icon, a 'Configure profil' link with a wrench icon, and fields for 'Name', 'Description', and 'Statue subscription'. The 'Statue subscription' field is currently empty.

LOGO

Home Game Prime game Support

Profile

Configure profil

Name

Description : .....

Statue subscription : .....

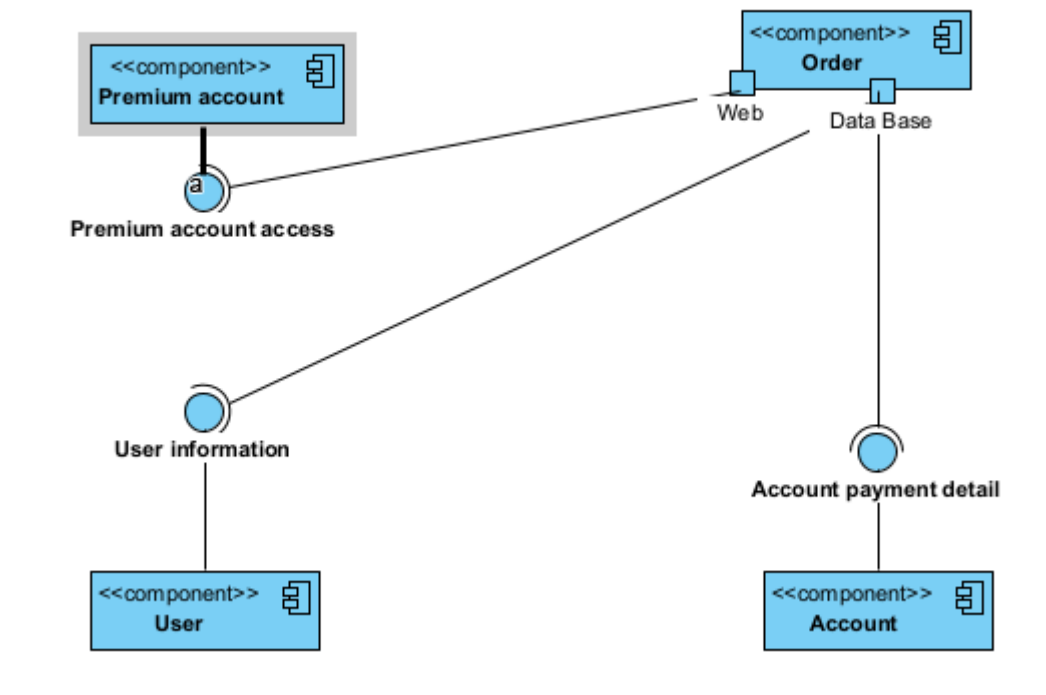
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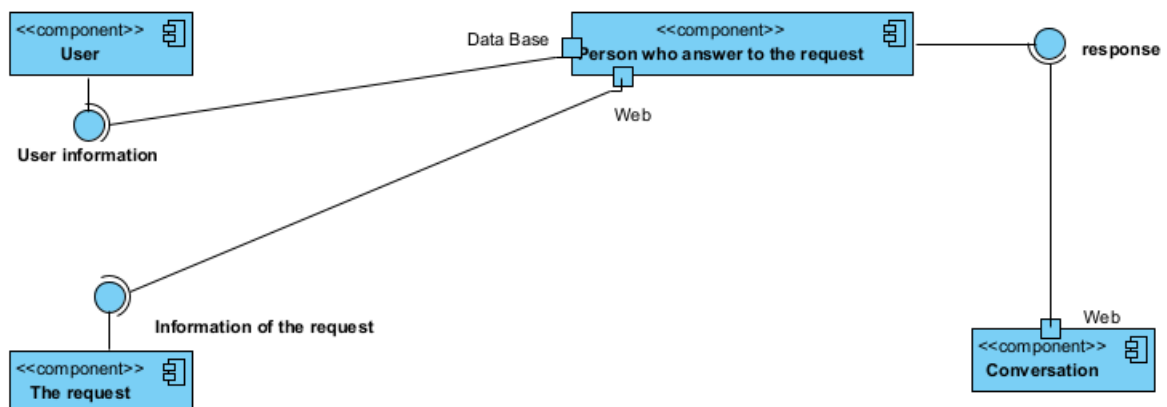
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## Components Diagram

First diagram for premium account access:



Second component diagram for user request:

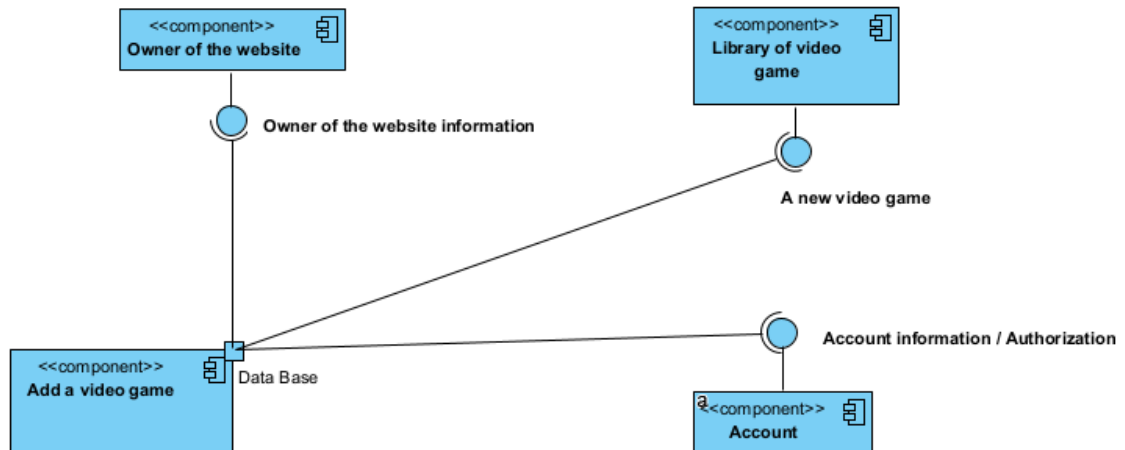


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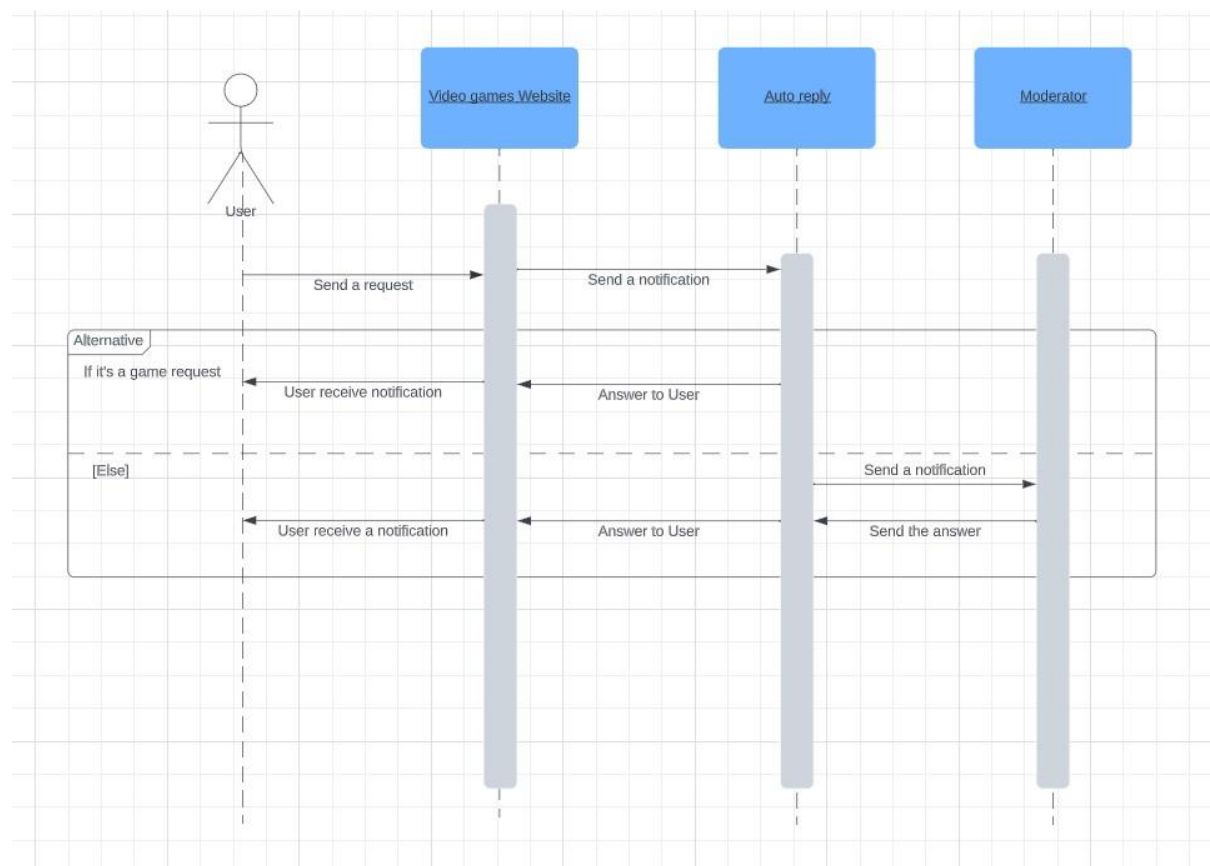
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Third component diagram for adding new video game:



## Sequence Diagram

Sequence diagram for a request from a user :



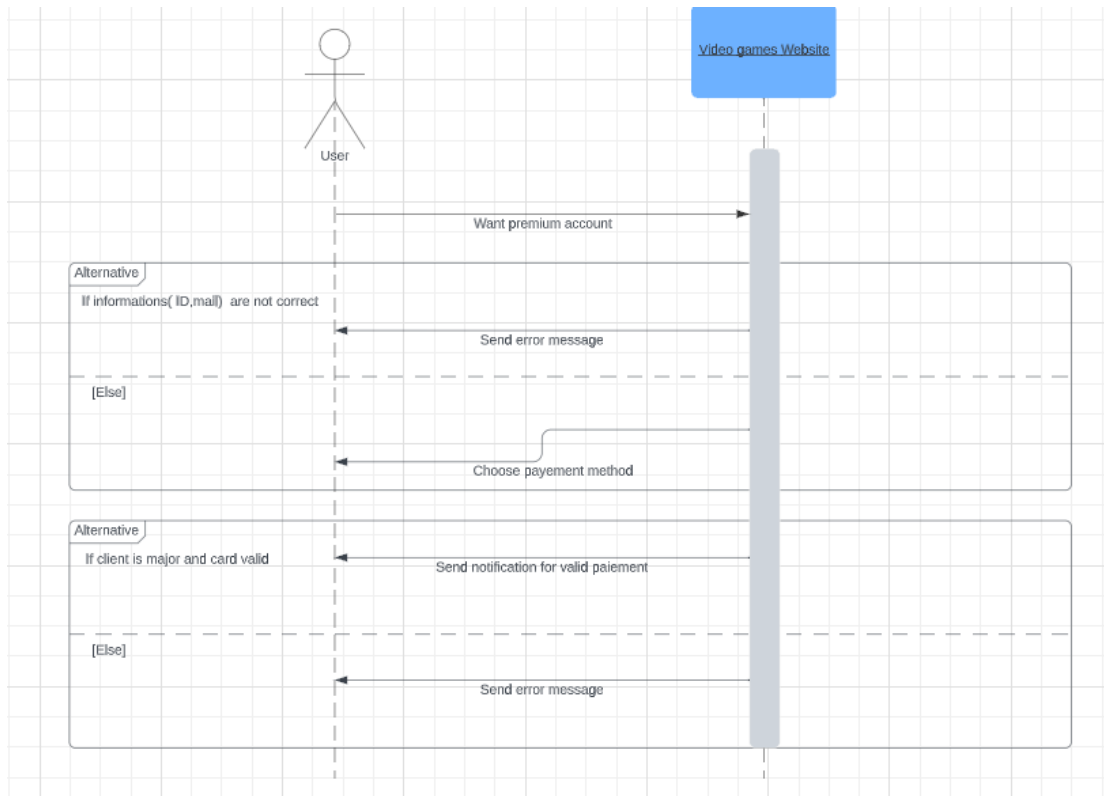


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Sequence diagram to get a premium account:



Sequence diagram for adding a new game to the website :

