Avantages/inconvénients de node.js pour le projet

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|  | Node.js |
| Avantages | * C’est un Framework de javascript, on utilise déjà javascript dans notre projet donc facile à utiliser * Communication asynchrone avec le front-end plus facile notamment avec socket.io * Utilisation des fonctions de callback pour les événements |
| Inconvénients | * Techno différente du back-end déjà existant, ce qui implique une communication entre les 2 |

Diagramme de séquences lors d'un jeu entre deux joueurs (interactions BackEnd - FrontEnd)

Player 1

Player 2

Server

Click on Play button

Select card

newplayerIsWaiting(player1)

Is there already player waiting?

No

Add player to the list

Click on Play button

Select card

newplayerIsWaiting(player2)

Is there already player waiting?

Yes

Create a new game

launchGame(player1, player2)

launchGame(player1, player2)

Display the game view

Display the game view

Click on Attack button

Number of attack -1

attack(attackingCard,defendingCard)

defendingCard.Hp= Attack – defence

Is defendingCardHp >0?

Yes

sendAttack(defendingCard)

confirmedAttack(defendingCard)

Show message

Update card display

Show message

Update card display

Click on End turn button

switchTurn()

Switch playing user

Switch playing user

endTurn()

Switch playing user

Click on Attack button

Number of attack -1

attack(attackingCard,defendingCard)

defendingCard.Hp= Attack – defence

Is defendingCardHp >0?

No

youWin()

youLoose()

Show pop « you loose »

Show pop « you win »

Redirect to main menu

Redirect to main menu

End of the game