

CORONA KILLER

ADVANCED IOS APPLICATION DEVELOPMENT(MAD_4114_2021S)

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INTRODUCTION:

- This iOS Application is basically a game named Corona Killer.
 - In this game main character is having vaccine in his hand, when corona virus(Enemy) fall towards him he can hit him with the vaccine and kill it.
 - If Player Touched the virus accidentally, he will dead.
 - Player can restart the game to play again.
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GAME DESCRIPTION:

-: GameViewController:-

- This Application Starts with the page namely Login/signup Page by Selecting the Login Option, One need to enter the game with the appropriate credentials, elsewhere if the credentials are wrong error alert will popup.
- On the other hand, if one opt for the signup option , It will create a new user account and save the information in the database.
- Once the registration is done user will enter into the game. User will be logged in unless he/she logged out.

GAME DESCRIPTION(Continue...):

-:GameScene:-

- In the Game Screen , Play button will display to start the game.
- Player Characteristics are as follow:
 - ✓ Moves Left to Right as the touch moves
 - ✓ Shoots Vaccine on tap on the screen
 - ✓ Jump on swipe Up
 - ✓ One reward point on killing one virus
- With above mentioned characteristics of player, Player can Proceed the game.

GAME DESCRIPTION(Continue...):

-:Game Screen:-

- On the other hand, Enemy Characteristics are as follow:-
 - ✓ Enemy Virus Swings from top to bottom and moves in any random Position. If the Virus hits the player in the meanwhile player is dead.
 - ✓ Difficulty level increased based on the score exceeds 50 then after score is 100 virus become more faster.

GAME DESCRIPTION(Continue...):

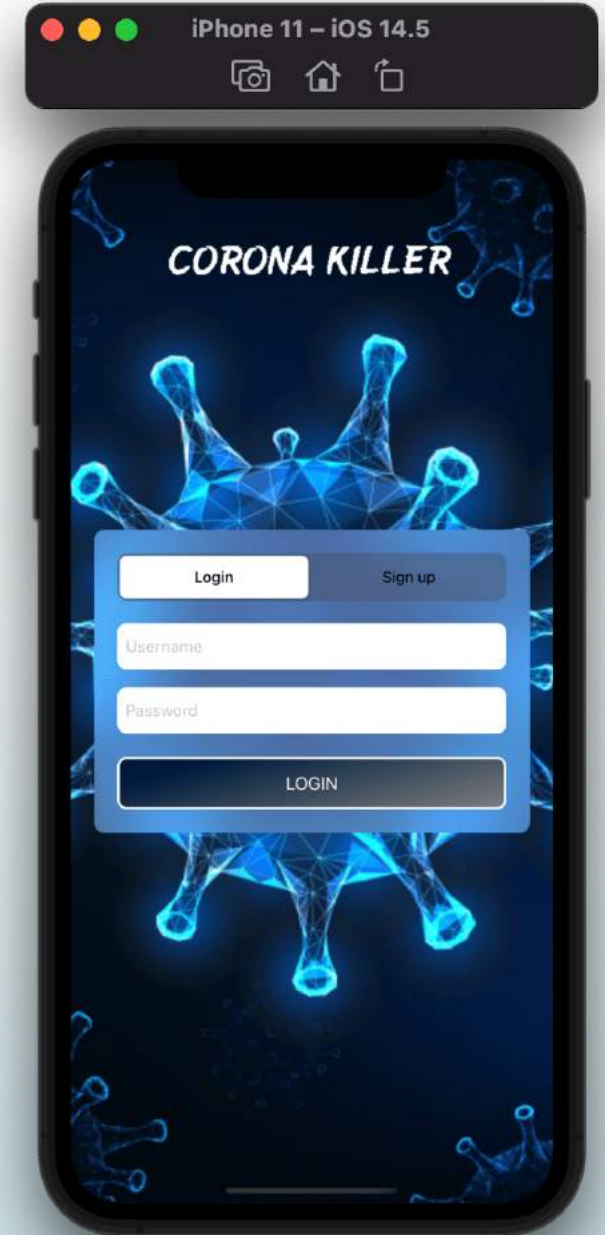
-:Game Over:-

- On Player being Killed the details such as current score, exit button, replay button, top 3 players on the scoreboard will be displayed.
- By Selecting for replay, the game will restart.
- On Selection of exit button, Player will Logout.
- Score of each player is saved in Database with their respective user Account.

How system works?

1) System requires login or signup

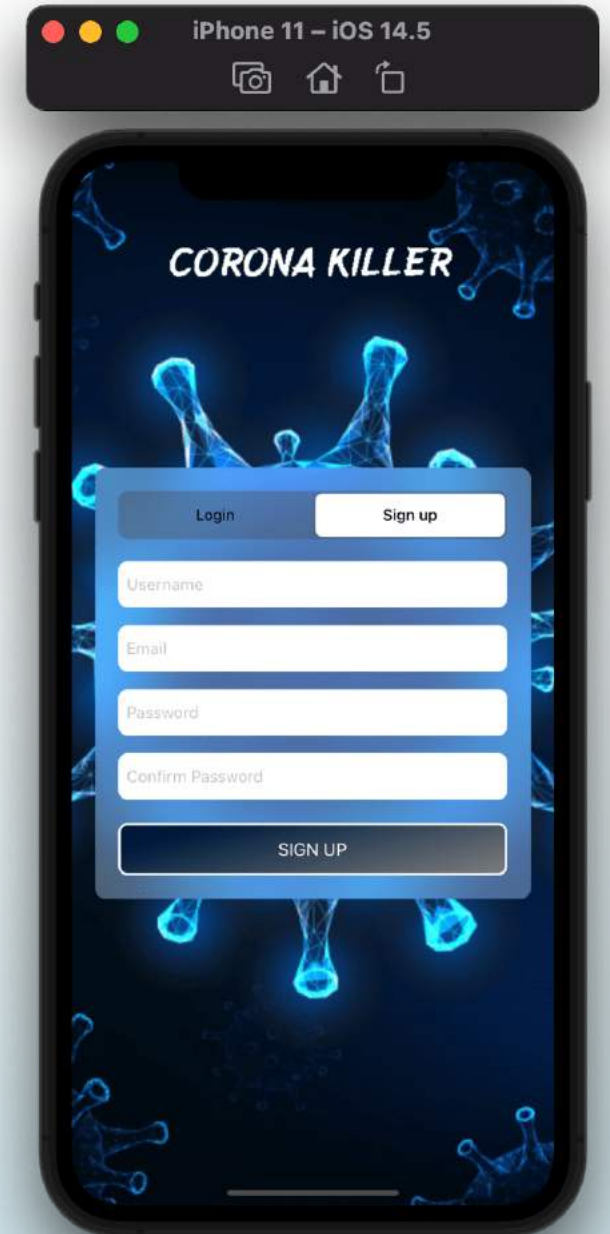
- Initially, this application shows the login screen.
- If an existing user, then using the login screen, he/she can enter the Game.



How system works?(Continue)

2) Register the new User

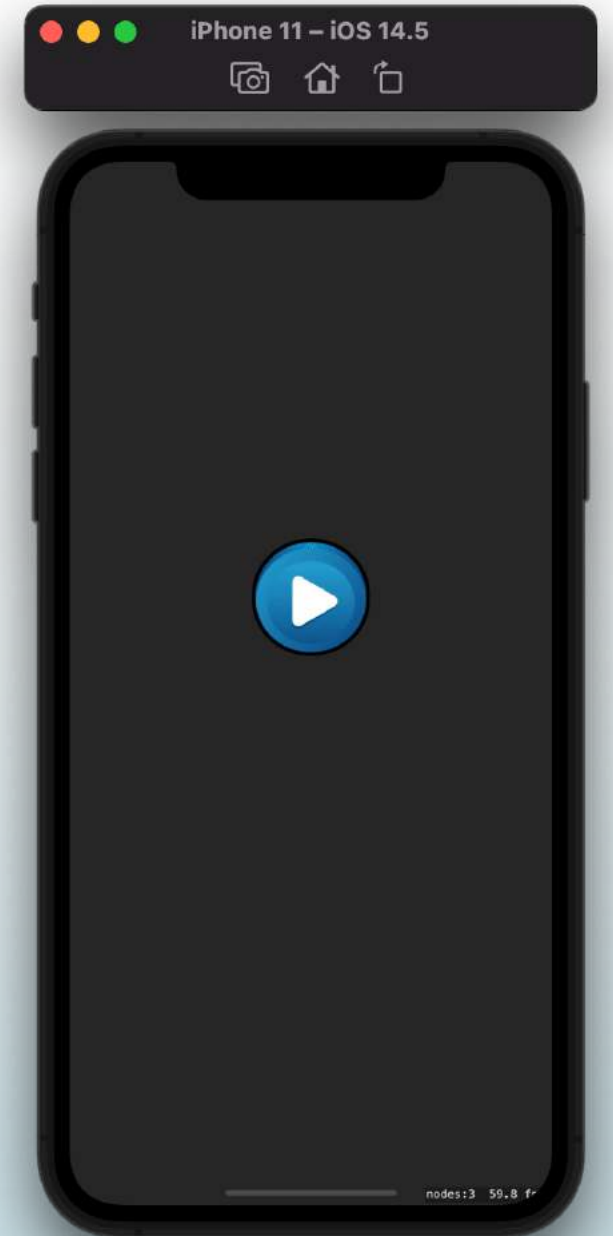
- If there is a new user, then using Sign Up button, users can register themselves.
- In the registration process, the user needs to provide some basic information like Username, Email & Password.
- Click the Signup Button.



How system works?(Continue)

3) Get Started

- Player just need to click the play button to start the Game.



How system works?(Continue)

4) Main Screen

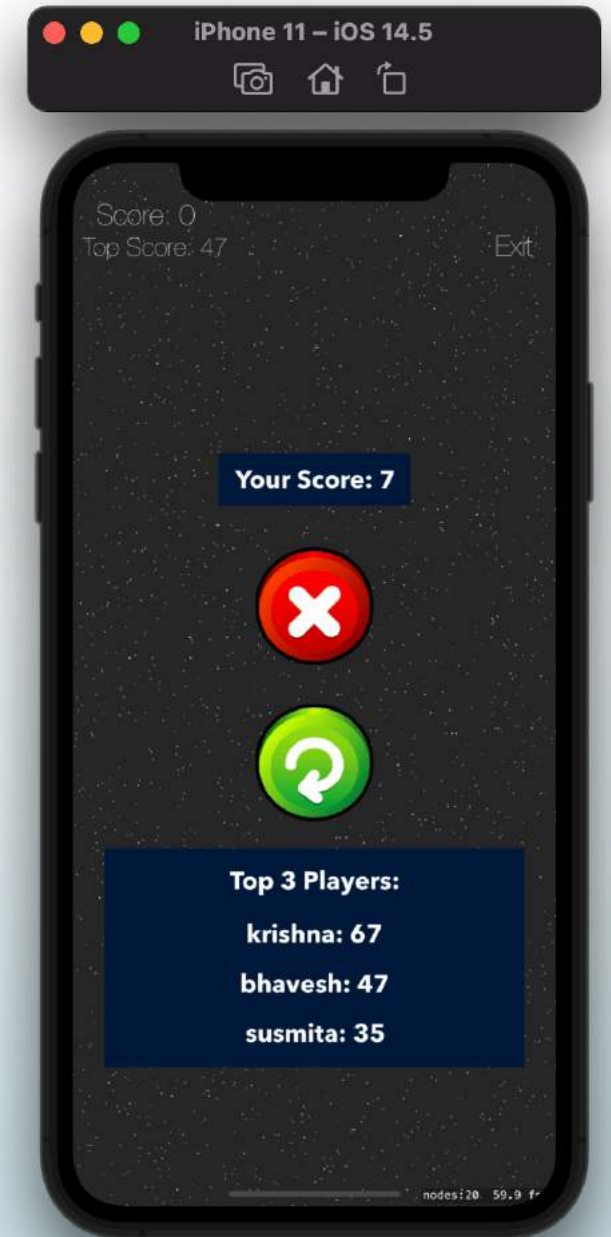
- In this Screen main character is having vaccine in his hand, when corona virus(Enemy) fall towards him he can hit him with the vaccine and kill it.
- If Player Touched the virus accidentally, he will dead, and game will over.
- Player can exit the Game anytime with the exit button on top right corner moreover he can track his current score on top left corner.



How system works?(Continue)

5) Game Over

- If the user lost the game , he will get this screen.
- On this page there will be:-
 - ✓ Your current Score
 - ✓ Exit Button
 - ✓ Replay Button
 - ✓ Score of top 3 Players



GitHub Source Code

Corona Killer:- <https://github.com/bhaves18/corona-killer>

Video Link:-

https://www.dropbox.com/s/xqcxlbh8abf8469/final_project.mov?dl=0

References

- <https://stackoverflow.com/questions/43336790/dismiss-skscene-go-back-to-uikit-menu>
- <https://www.flaticon.com>
- <https://rebeloper.com/blog/how-to-add-a-button-in-spritekit-and-swift-4-part-1-create-an-iphone-game-using-swift>



THANK YOU