

## **GAME RECOMMENDATION SYSTEM USING MACHINE LEARNING ALGORITHMS**

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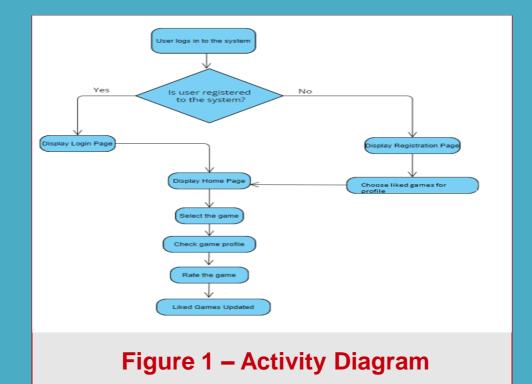
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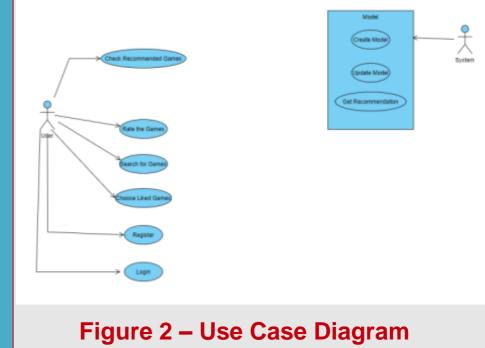
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## **Abstract**

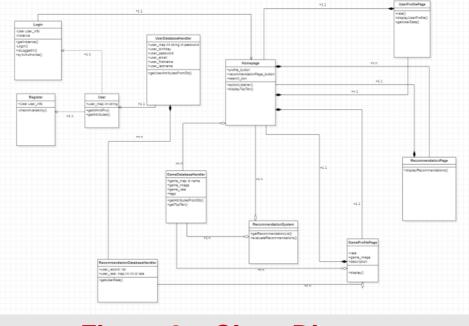
The aim of this project is to develop a system that can give game recommendations to people who are looking for games they may like based on the games they have liked before or the users that have similar history with the current user. Within the scope of this project, we are conducting extensive research in machine learning, which is the application of artificial intelligence, in order to work more efficiently.





Introduction

The game industry evolved so much that there are 10.000 games being released every year. With this, game users can't even decide what's in their taste. It gives customers a very overwhelming and lost feeling in these large, detailed choices of products. A solution to this relies on building such systems that search desired but not yet discovered games. Thus, the hunger in the market led to these kinds of programs. Using our recommendation platform, users will save the time spent to achieve recommendations to themselves.



# Figure 3 - Class Diagram

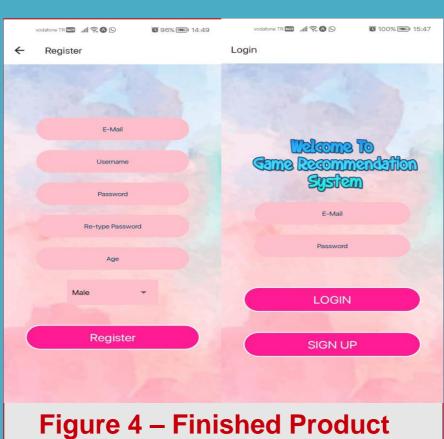
# With this project, people will be able to use a

**Results & Conclusion** 

system that recommends the games they like after giving a rate between 1 and 5 to the games they have played before. As the number of games in Dataset increases, this system will work better and more efficiently. Python has been the most important key in our project. We are confident that we will recommend games that users will like with algorithms in Python.

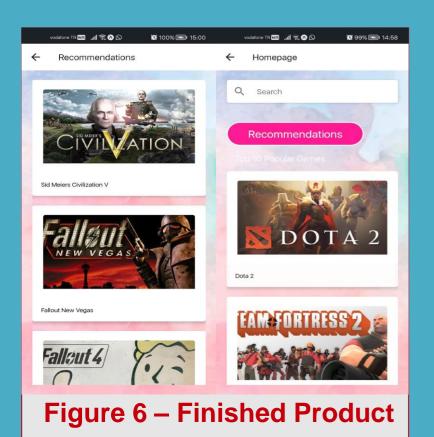
## **Solution**

Our aim is to develop a software called "RecoSystem", both IOS and Android based application that uses various prediction algorithms (machine learning) to recommend its users according to their gaming tastes. The purpose of this project is to help people find new games to play.



## Acknowledgement Special thanks to our advisor Dr. Instructor

Serdar ARSLAN for his guidance, insightful comments and suggestions.



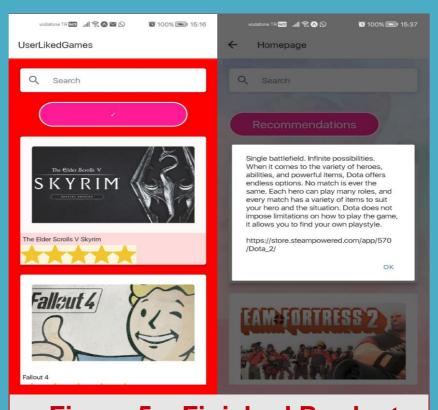


Figure 5 - Finished Product



Figure 7- Advisor and **Project Members**