Project for the Degree of B.Sc. Engineering

Project On: ZigZag BallRunner

Course Code: CSE278

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Project Approval

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Project Title: ZigZag BallRunner

We the undersigned, recommend that the project completed by the student listed above, in partial fulfillment of B.Sc. Engineering degree requirements, be accepted by the Department of Computer Science and Engineering, Bangabandhu Sheikh Mujibur Rahman Science and Technology University for deposit.

Supervisor Approval

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Abstract

The project titled "ZigZag BallRunner" is ball running game software. My project based on C# programing language with its graphical properties. My project made with Unity game engine. Game graphics created using Unity game engine and the code used in c# script. In this game there is infinite platform for run the ball and there is gems, when ball hits to the gems score raises. When the ball fall from the platform game will over. It helps how a man work fast and properly.

Acknowledgment

In this very special moment, first and foremost I would like to express my heartiest gratitude to the almighty God for allowing me to accomplish this project successfully. It is my first project in Unity. I am really thankful for the enormous blessings that the Almighty has bestowed upon me not only my student life but also throughout my whole life. Then I like to give many thanks to my project supervisor Md. Monowar Hossain, Lecturer, Department of Computer Science and Engineering, who encouraged, supervised and supplied necessary requirements and guideline in performing this work. In achieving the gigantic goal, I have gone through the interactions with and help from internet and would like to extend my deepest appreciation to those who have contributed to this dissertation itself in an essential way.

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Chapter 1: **Introduction**

Ball Runner Game is a fun running game. The game has a very simple way of playing, you just need to run and run, avoiding obstacles at each milestone. Games for kids, stimulating the concentration of kids. Ball Runner is a fantastic game for kids. Combining graphical and animation features the game creates a unique fun player experience. The player slides balls along runners up the playfield to hit gems and score points.

Chapter 2:   **Related work**

There are many games like ZigZag BallRunner, that games are given below:

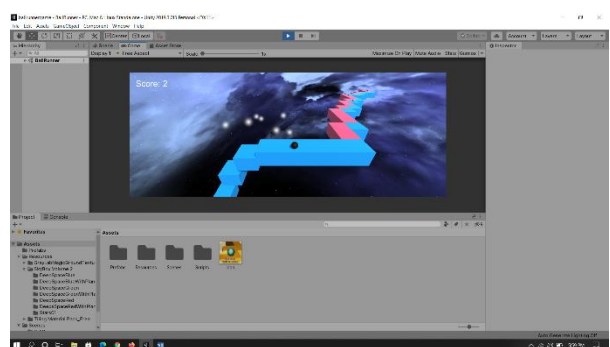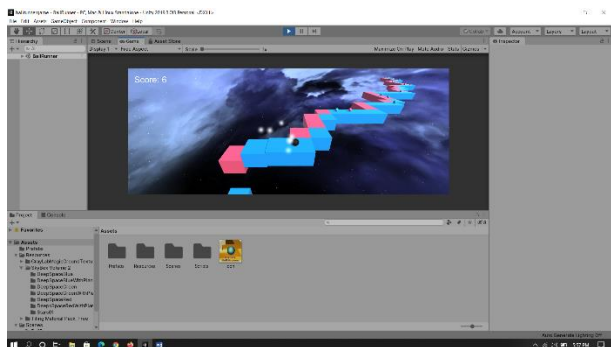1. Subway Surf
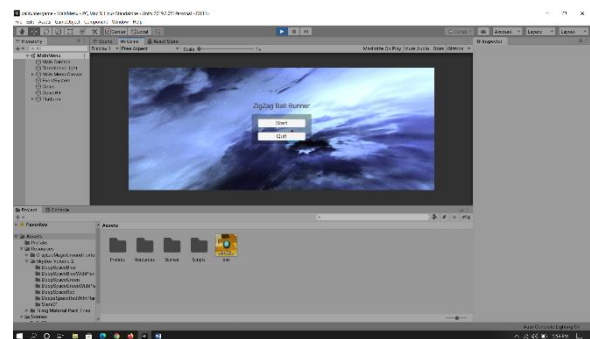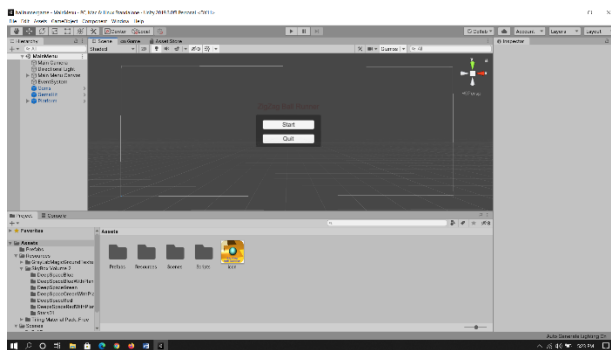2. Jungle Run
3. Temple Run

From these games idea, anyone can develop this app. Kids are the target user of this game. Also, all classes of people can play this game for enjoy gaming. In this digital country, kids can be talented by playing games. For this it is very essential game.

How does game work:

1. In this game there is a platform where ball runs. The platform create one after one infinitely.
2. There are gems in the platform ball hits gems and gain score.
3. The ball runs in the platform continuously and moves by clicking left mouse button.
4. If the ball fall from platform then game will over.

Chapter 4:   **Future Scope**

In future this game can be developed to higher level. Games for kids, stimulating the concentration of kids. Ball Runner is a fantastic game for kids. Combining graphical and animation features the game creates a unique fun player experience. In future this game can be very unique.

Chapter 5: CONCLUSION

Contrary to the traditional belief that gaming is merely an addictive source of entertainment and diversion, recent research has proved that gaming has numerous benefits and key among them, is the development of cognitive skills in both children and adults. Just as physical exercise helps in improving and strengthening your muscles, cognitive games help to indulge one's brain in constant stimulation, thus improving the brain's performance. The following are some of the cognitive benefits of playing video games.

References:

1. https://www.google.com/

2. https://www.wikipedia.org/

3. https://github.com/

4. https://unity.com/