

RACING GAME:

GAME DESIGN DOCUMENT:

Project Description:

Racing Game project is developed using Unity Game Engine. The language used for the development of this project is “C#”. The project file contains Assets such as C# scripts, prefabs, textures, sounds, animations, models, scenes and many more. It will work as same as Mario Kart game works , In the *Mario Kart* series, players compete in go-kart races, controlling one of a selection of characters, mainly from the *Mario* franchise. Up to sixteen characters can compete in each race (the exact number varies between games).

Gameplay is enhanced by power-up items obtained by driving into item boxes laid out on the course. These power-ups include Mushrooms to give players a speed boost, Shells to be thrown at opponents, Banana peels, and Fake Item Boxes as hazards. The game chooses an item based on the player's current position in the race. For example, players lagging far behind may receive more powerful items, such as Bullet Bills which give the player a bigger speed boost depending on the place of the player, while the leader may only receive small defensive items, such as Shells or Bananas. Called rubber banding, this gameplay mechanism allows other racers a realistic chance to catch up to the leading racer. They can perform driving techniques during the race such as rocket starts, slipstreaming, drifting, and mini-turbos.

Each new game has introduced new gameplay elements, such as new circuits, items, modes, and playable characters.

Game Play:

The main objective of this game is to overtake the other drivers and get the 1st position to win the game and to avoid the go to off track so you can not lose control or your vehicle and lose your position in game

Art:

Graphics Elements and Audio Fragments of works were used in this 3D game application. Different pictures, and animations are integrated in the game environment to offer an exact image of the virtual location.

Music and Sound:

When you play the game, it will play music and if you win or lose the game will play music.

Technical Specification:

You must have Unity3d installed on your computer in order to execute the project.

Conclusion:

Racing Game is a 3D arcade game specially designed for PCs. This game is very useful if you have to develop driving and racing skills because you have to drive to the end point with position and win the race.