

What is a Video Game?

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1 Introduction

Video Game is an important part of modern entertainment. So what is Video Game? Video game most bases on modern electronic device. They are special programs that people can interact with. In most video games, people needs to use some input device to interact with video games, and they can get immediately feedback from screen. When playing video games, people need to reach some goals or specific purposes, and by doing so, people will feel happy and joyful. Because video games become more and more complicated recently, so they become an independent category. In conclusion, video games really change human's mind about games.

2 Important Event in History

2.1 The first game

The earliest video games born in 1958, a man called William Higinbotham uses oscilloscope and analog computer to build the first game Tennis for Two. The game's image is really poor from modern perspective, but this is really the first time electronic games became true.

2.2 Arcade time

Arcade may not familiar to modern teenagers, but it is really an extraordinary word in 1980s. In the city at that time, people can find many Arcade game machines on the street. By throwing a coin, the game will start, and people can play with it. Some games are really popular that even now we can play them on the website, such as Breakout.

2.2 PlayStation Xbox and Nintendo

Nintendo's game is really fashionable in 1990's, everyone knows this company at that time, and some games from this company is well-known such as Super Mario and Pokémon.

PlayStation and Xbox are the most popular platform since 2000s.

3 Platform

3.1 PlayStation

PlayStation is held by Sony entertainment, the newest version of PlayStation is PS4. It is the biggest platform of Video game. We can buy most popular video games on PlayStation.

3.2 Xbox

Xbox is held by Microsoft, the newest version is Xbox One, and it is the platform of Video game just like PlayStation. We can play many Microsoft Studio games on it.

3.3 PC and Steam

Steam now is the biggest platform that sell video games on PC, we can simply buy video games on Steam and download it and then play it. It is really convenient. But compare to Xbox and PlayStation, modern computer are more expensive.

4 Category

4.1 Action game (ACT) it include Shooting Games and Fighting Games.

4.2 Shooting Game (STG) the presentation in this kinds of game is shoot, player uses guns to shoot enemy.

4.3 Fighting Game (FTG) the presentation in this

kinds of game is fight, player may play as hero fight with enemy.

4.4 Adventure Game (AVG) this kinds of game always have a really good plot, it require players have good observation and analyze ability.

4.5 Simulation Game (SIM) in this kinds of game, players are play as god, and they always build things to maintain the game to push on.

4.6 Strategy Game players always play as commander, and they manage to defeat enemy.

4.7 Role-playing game (RPG) in this game, player act as the other character. Many modern games are Role-playing game.

5 Game Engines

Game engine are the things that games are built on. They are a generalizable system that providing a set of tools that help developers to build a game more convenient. They implemented as a framework or a library, and they can help developers to design the game patterns. **BUT there are many game engines there**, Such as Unreal, Frostbite Engine, Unity, and Cocos. They do not have the same feature, some of them may suited to develop Phone games, some of them may good at create fancy or reality scenes. So they have their unique perspective, it is all depends on developers.

6 Summery

All this above are demonstrated the basics about video games.