Game Design Document

Fill up the Following document

1. Write the title of your project.

Life cycle of a star

1. What is the goal of the game?

To spread the knowledge about the journey of a star’s life

1. Write a brief story of your game?

Elements like carbon and helium and many more are chemically

bonded together to form a star which moves onto its next stage if

The person playing the game answers a question correctly about the

Life cycle of a star. The game ends when a star is evolved into a supermassive black hole which then within a few million years also vanishes due to hawking radiation.

1. Which are the playing characters of this game?

* Playing characters are the ones which respond to the user based on the input from the user
* Cars, monkeys, dinos, wizards etc, are the playing characters in the game.

|  |  |  |
| --- | --- | --- |
| Number | Character Name | What can this character do? |
| 1 | Star | It can evolve into its next stage. |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |

1. Which are the Non Playing Characters of this game?

* Non Playing characters are the ones which don't have an action or a behaviour when the user interacts with the game.
* Hurdles, stones, bananas, coins, etc are non playing characters in the game.

|  |  |  |
| --- | --- | --- |
| Number | Character Name | What can this character do? |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |

Draw your imagination of this game. What does this game look like?

* Draw the game either on your computer or on paper,
* Add images of scenes of the game to show each of the playing and non-playing characters at least once.
  + - 1. The game is designed into 6 stages.
      2. Stellar Nebulae -Which are clouds of hydrogen, helium and plasma.
      3. Massive star -Which is formed when the stellar nebulae collects enough mass and begins to collapse under its own gravity.
      4. Red Supergiant – It is formed when the massive star runs out of hydrogen fuel, it collapses and the outer shells of hydrogen get hot enough to begin fusion.
      5. Supernova – It is formed when the Red Supergiant eventually exhausts all its helium in its cores and starts burning carbon, which results in the formation of an iron core which collapses.
      6. Black Hole/Neutron Star – It is formed when the Supernova’s core collapses with proton and electron melting into each other to form neutrons. Further a neutron star/black hole is formed depending upon its mass.
      7. Death of a black hole – It is when the black hole releases the so called “Hawking radiation” which reduces the mass and rotational energy of the black hole, ultimately the black hole shrinks and vanishes.

How do you plan to make your game engaging?