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| C:\Users\Owner\Desktop\PHDLogo.jpg |
| Assignment 4 |
| **SuperNova** |
| Version #0.8  All work Copyright © 2013 by PH.D MEDIA.  All rights reserved. |
| **Brandon Carnell** |
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| July 15th 2013 |

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**Version History**

Github: <https://github.com/CarnellB/IntroToGraphics/tree/master/Assignment%204%20-%20SuperNova>

SuperNova\_0.1 - Initial Creation, player sprite added

SuperNova\_0.2 - gem sprite added

SuperNova\_0.3 - rock sprite added

SuperNova\_0.4 - parallax background added

SuperNova\_0.5 - music added

SuperNova\_0.6 - collisions and multiple enemies added

SuperNova\_0.7 - scoring and internal documentation added

SuperNova\_0.8 - intro screen added

1. **Game Overview**

*The goal of the game is to get the highest score that you can possibly get. Score goes up by collecting gems and dodging rocks.*

1. **Game Play Mechanics**

*You play as a spaceship flying through space. You can collect the red gems to increase your score by 100. Avoid hitting the asteroids, as if you are hit 5 times, the game ends. Every second your score goes up by 10.*

1. **Camera**

*The camera is set to be the right side of the space ship.*

1. **Controls**

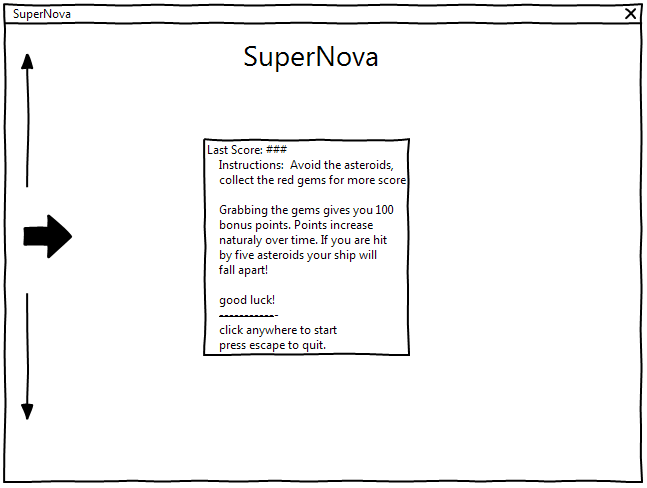
*The only controls are moving the mouse to move the ship, clicking on the instruction screen to start, and hitting escape to quit on the instruction screen.*

1. **Saving and Loading**

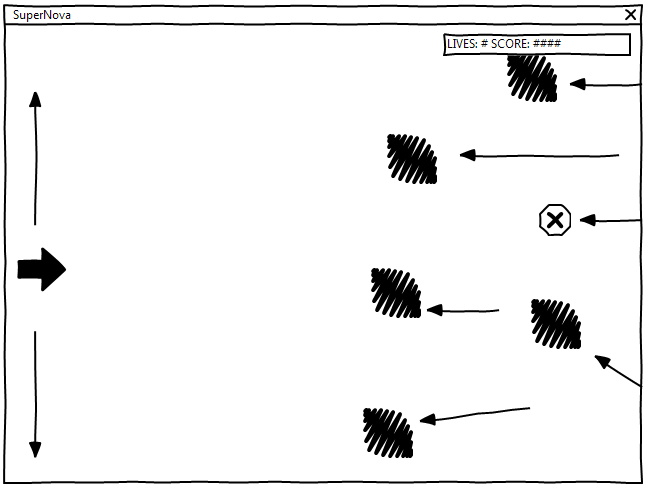
*The game remembers the last score you had before retrying. If you are playing for the first time this will be 0.*

1. **Interface Sketch**

*Intro Wireframe:*

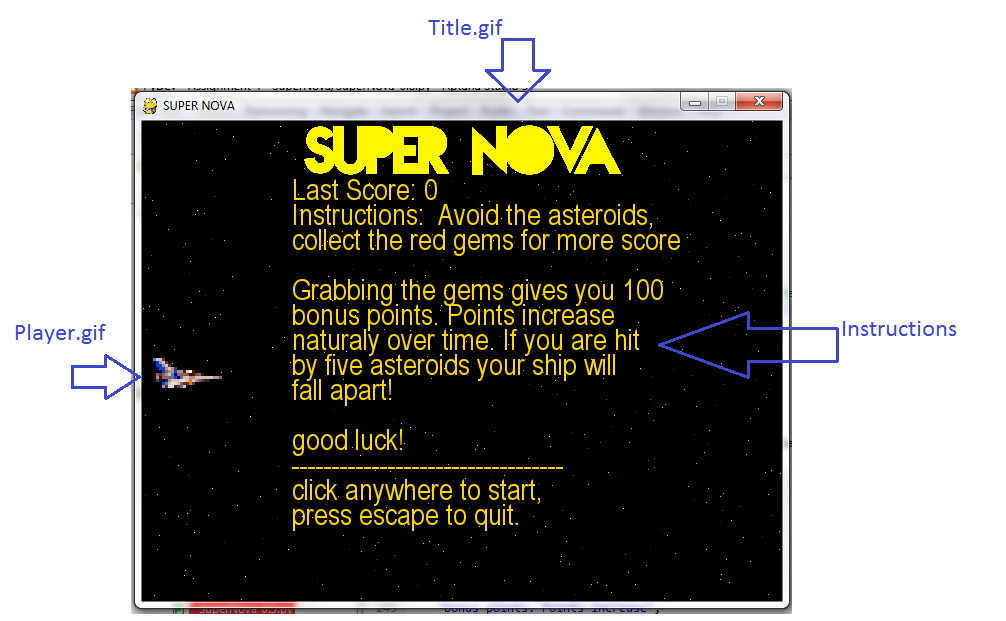
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*Gameplay Wireframe:*

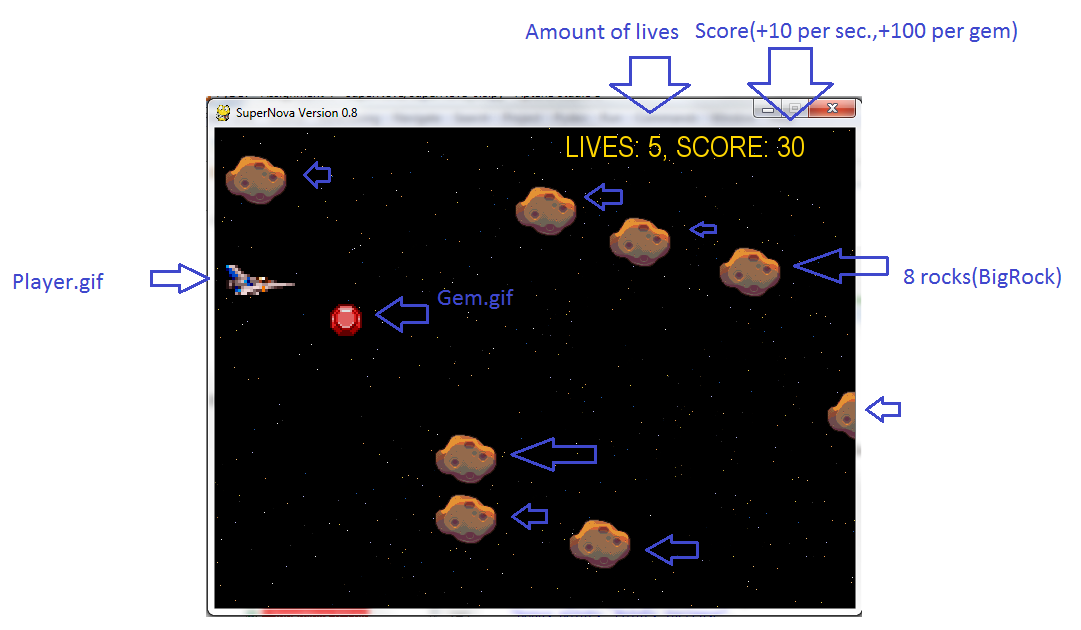
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1. **Menu and Screen Descriptions**

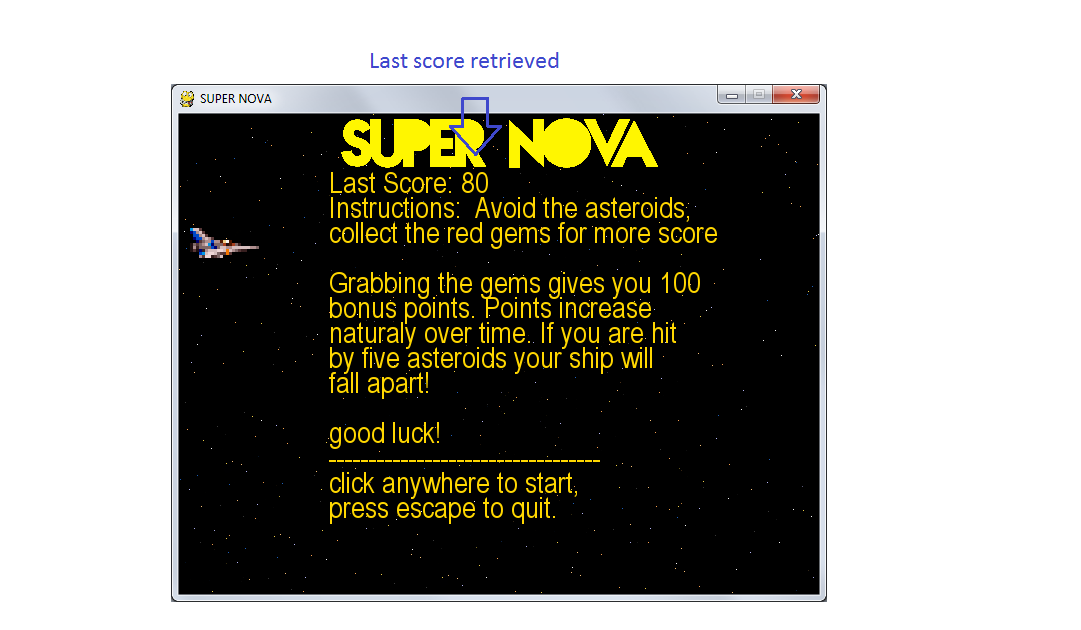
*Initial Intro screen:*

**

*Gameplay screen:*

**

*Post – death screen:*

**

1. **Game World**

*There isn`t much of a world, only endless space, gems, and asteroids.*

1. **Levels**

*There is only 1 level currently, where 8 Asteroids fly across the screen along with 1 gem.*

1. **Characters**

*C:\Users\Owner\Dropbox\Github\IntroToGraphics\Assignment 4 - SuperNova\Player.gif - The main players Spaceship, No weapons, and can survive hitting 5 Asteroids. Its only job is to collect red gems.*

1. **Enemies**

*C:\Users\Owner\Dropbox\Github\IntroToGraphics\Assignment 4 - SuperNova\BigRock.gif - Endless Asteroids, some fly straight, others at a small angle. Varies in speed from very slow to very fast. 8 Spawn at the beginning of the game.*

1. **Items**

*C:\Users\Owner\Dropbox\Github\IntroToGraphics\Assignment 4 - SuperNova\Gem.gif - The endless flying Gems. Each are worth 100 points, they move rather slowly.*

1. **Scoring**

*The score goes up by 10 per second that you are alive, and 100 per gem you collect.*

1. **Sound Index**

*BGM.ogg - The never ending boopin’ in the background. Very Spacey*

*Gem.ogg - The jingle that plays when you collect a gem*

*Hit.ogg - The crunchy noise that happens when you accidentally hit an asteroid.*

1. **Art / Multimedia Index**

*BGM.ogg*

*Gem.ogg*

*Hit.ogg*

*C:\Users\Owner\Dropbox\Github\IntroToGraphics\Assignment 4 - SuperNova\BigRock.gif BigRock.gif*

*C:\Users\Owner\Dropbox\Github\IntroToGraphics\Assignment 4 - SuperNova\Gem.gif Gem.gif*

*C:\Users\Owner\Dropbox\Github\IntroToGraphics\Assignment 4 - SuperNova\Player.gif Player.gif*

*C:\Users\Owner\Dropbox\Github\IntroToGraphics\Assignment 4 - SuperNova\Title.gif Title.gif*

**

*Space.png (Parallax)*

**Author’s Notes**

*The sprites / music used in this game come from the following:*

*Player.gif – Gradius*

*Gem.gif – Sonic the Hedgehog*

*BigRock.gif – Kirby Mass Attack*

*Space.png – Edited from Final Fantasy IV*

*BGM.ogg – Megaman Anniversary Collection*

*Hit.ogg – Super Mario Bros.*

*Gem.ogg – Sonic the Hedgehog*