Galactic Glide Design Document

Team Github: https://github.com/FSanchez-UF/Galactic-Glide

1. What is the nature of the gameplay? That is, what challenges will the player face? What actions will the player take to overcome those challenges?

The nature of the gameplay will involve players controlling a spacecraft, maneuvering it left/right and up/down while firing at waves of enemy spacecraft that appear on the screen. The challenges that players will face will involve avoiding enemy fire and obstacles while shooting down enemy ships, all while progressing through a series of increasingly difficult levels. To overcome these challenges, players will need to make use of the spacecraft's abilities, such as moving quickly, firing rapidly, and deploying special weapons or power-ups that can help them take down enemy ships more efficiently.

2. What is the victory condition for the game? What is the player trying to achieve?

The victory condition is achieved by successfully completing all of the game's levels and defeating the final boss. The player's ultimate goal is to earn the highest score possible by shooting down as many enemy spacecraft as possible while avoiding incoming fire and obstacles.

3. What is the player's interaction model (mouse/keyboard)?

The player's interaction model will be based on keyboard input. The directional arrows will allow the player to move their spacecraft left/right and up/down, while the space bar will be used to shoot at enemy spacecraft.

4. What is the general structure of the game? What is going on in each mode, and what function does each mode fulfill?

The game follows the same structure for each game mode: avoid obstacles, destroy enemies, and score points to earn a new high score. There will be a normal difficulty and a hard difficulty, each of which slowly ramps up in difficulty over time. The hard mode will feature a score multiplier to incentivize players to challenge themselves while aiming for the high score.

5. Does the game have a narrative or story as it goes along? If so, summarize the plot.

Galactic Glide has a simple narrative to help give the game meaning to the player.

"In the distant future, humanity has spread throughout the galaxy and established colonies on countless worlds. But as they explore ever deeper into the cosmos, they encounter a new threat: an alien race known as the Zaxons, who seek to conquer and enslave all who stand in their way.

As a skilled spacecraft pilot, you are called upon to join the fight against the Zaxons and defend humanity's colonies from their relentless attacks. With your trusty spacecraft at your command, you must battle through wave after wave of enemy ships, taking down as many as you can and earning points and power-ups along the way.

As you progress through the game's levels, you'll face increasingly difficult challenges and fierce boss battles. But with quick reflexes, precise aim, and a little luck, you just might be able to defeat the Zaxons and save the galaxy from their tyranny.

So gear up, pilot, and get ready to take to the stars in this epic battle for the fate of humanity!"

6. Why would anyone want to play this game? What sort of people would be attracted to this game?

Players who enjoy fast-paced, action-packed games with a classic arcade-style gameplay would be attracted to Galactic Glider.

Additionally, gamers who enjoy competing with others for high scores and leaderboard positions would be attracted to the game's competitive aspect, where achieving a high score and besting other players becomes a major motivation for continuing to play.