

User Manual - Flappy Bird

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With a touch of nostalgia, our project reimagines the popular Flappy Bird game and gives players a fresh, engaging gaming experience. We've created a plethora of intriguing new elements that are specifically designed to appeal to solo gamers as well as those who are wanting cooperative gameplay experiences, all while maintaining the core principles that instantly made Flappy Bird a classic.

A standout innovation in our rendition of Flappy Bird lies in the introduction of dynamic power-ups! These power-ups give temporary enhancements upon the player, ranging from changes to gravity to extra lives or the ability to effortlessly soar through formidable obstacles. Skillful utilization of these power-ups becomes necessary as players navigate increasingly challenging levels with finesse.

Furthermore, our translation has an engaging cooperative multiplayer option that invites players to team up and go on a captivating cooperative adventure through Flappy Bird's colorful universe. In order to tackle challenges as a group, players in this mode coordinate their movements and synchronize their efforts, strengthening their bonds in collaboration throughout the process. Cooperative play takes gaming to new levels of excitement and social involvement, whether it's figuring out complex plans to obtain elusive power-ups or timing coordinated taps to keep momentum going.

Our adaptation offers a captivating gaming experience that promises lots of fun for players of all ages and skill levels. Get ready to spread your wings and soar to new heights in the world of Flappy Bird!

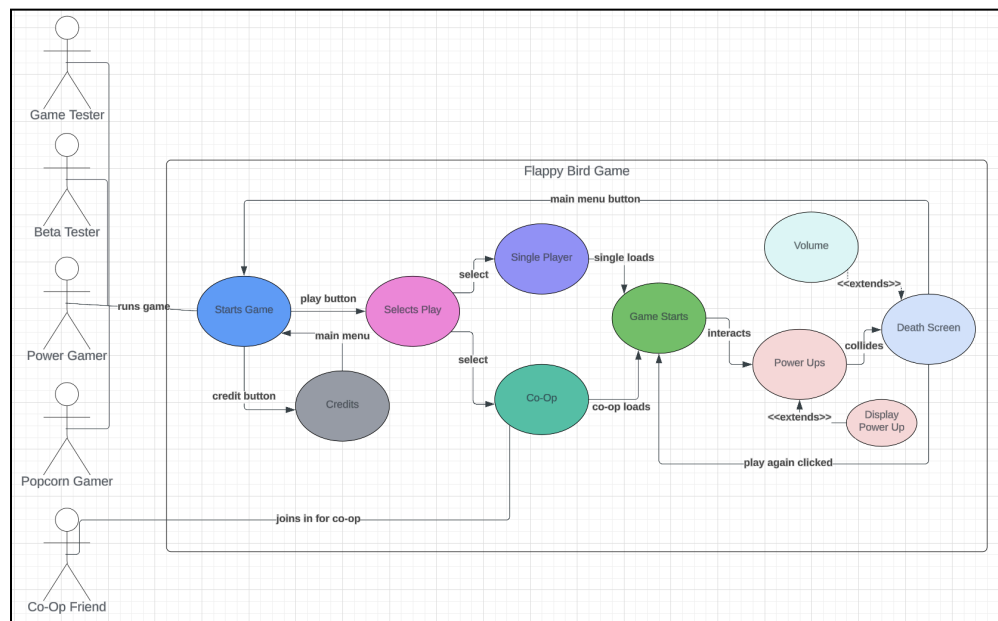
Motivation

When this game first came out in 2013, players had to navigate a pixelated bird through a number of tight spaces, tapping the screen to keep it in the air and avoiding collisions with the constant pipes. Nevertheless its uncomplicated gameplay and simplistic design, Flappy Bird swiftly gained popularity, enthraling millions of people with its addictive qualities and spawning a horde of clones and fans.

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But as time went on and tastes in games changed, it became clear that the Flappy Bird model could use some tweaking and creativity. While the original game provided a compelling solo experience, there was a growing desire among players to expand the social dimension of the gameplay, allowing them to share the joy and frustration of navigating the treacherous obstacles with friends.

Now for our project: a bold attempt to revitalize the ageless masterpiece Flappy Bird while catering to the changing demands and preferences of modern players. We are driven by our admiration for the original game as well as our ambition to expand the realm of what is feasible for this classic.



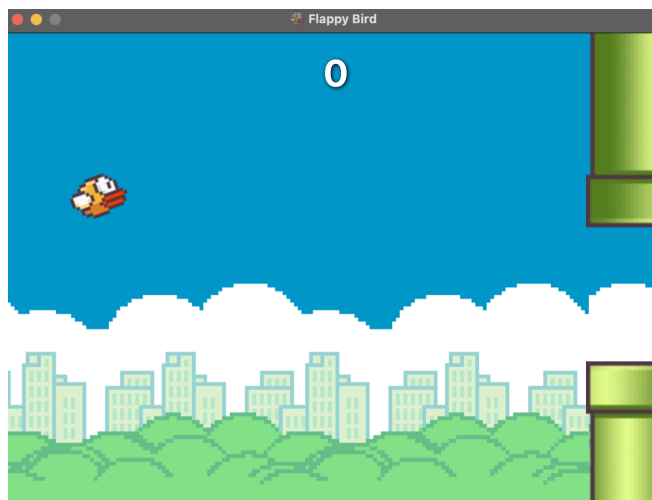
Our intention is to improve the Flappy Bird experience for the single player by bringing in novel and intriguing features that make the game more complex, varied, and replayable. As seen in the provided Use Case diagram, the various players (and friends) can join in and navigate through the game with ease. No need to worry, as the game flows smoothly and without issues. From Game Tester to Popcorn Gamer, you are able to navigate through and pick the game you want or claim the power ups that you need to conquer!

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Instructions

In order to successfully be able to play the game, make sure you have a specific IDE on your computer (IntelliJ or VSCode would work.) Once you have a working IDE, make sure you pull the game from our git repository into your own repository! This is key as you need to have all files for the game to function properly. Once you have the setup complete, navigate to the terminal and enter `./gradlew run`

Momentarily, the game should load and look something like this:

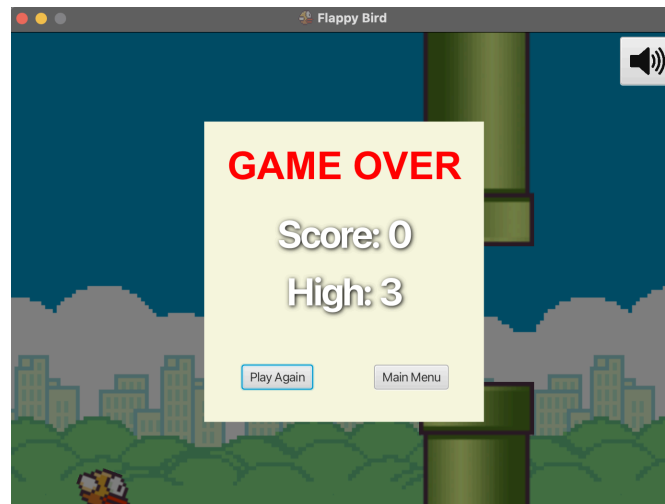


In order to flap away, press the Space key on your keyboard. Make sure to avoid the pipes! After some time, a power up will appear on your screen, make sure to grab it, as each of the 3 power ups have their own unique ability!



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Only one power up can be activated at a time, so be wise if you want to switch. The active power up will be displayed in the top right, so do worry about forgetting which one you have. Once you crash into the pipes, a death screen popup will show up, giving your score from the recent game and your top score from the session. You have the option to either Play Again or Main Menu to go to the selection screen. There's also a button at the top right corner to mute the music if you would like to.



Navigating to the main menu will get you back to the game selection screen. Pick One Player or Two Players by clicking the button on the right. Make sure to grab a friend for Co-Op! Your screen should look like this:



Click Play Again to load back in! To quit the game, simply click the red X at the top left of the tab. We hope you enjoy our adaptation of Flappy Bird!