**Flappy Bird**

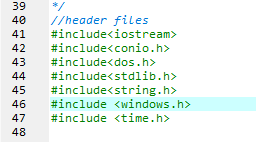
**IM/2019/073 Nimesh Heshan**

**IM/2019/081 Janith Lahiru**

**IM/2019/086 Gauri Wathsala**

**IM/2019/101 Hiruni Hanthanagoda**

**Basic Documentation**

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**Header files we used**

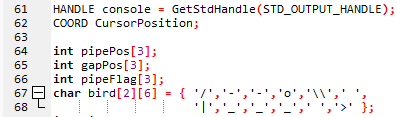
1. Windows header file contains declarations for all of the functions in the Windows API
2. conio.h is a C header file used mostly by MS-DOS compilers to provide console input/output.
3. dos.h library has functions that are used for handling interrupts, producing sound, date and time functions

**#Define**

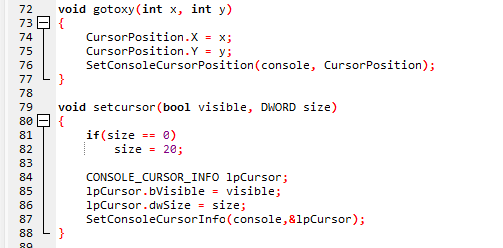
Text

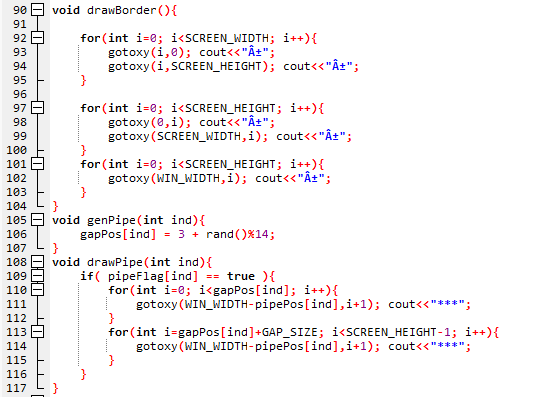
Description automatically generated

1. Define the screen height and width also set the menu screen



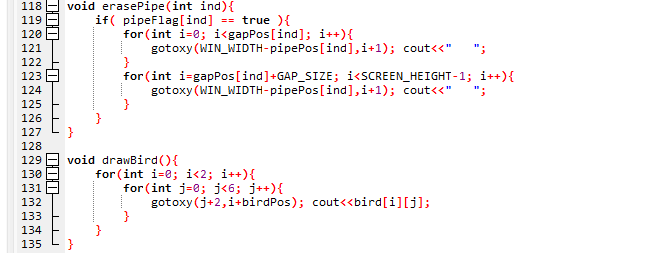
1. COORD is a structure.
2. that specifies the new cursor position, in characters. The coordinates are the column and row of a screen buffer character cell.





We used drawBorder function to draw the border of the screen

We used genPipe function to set the gap between two pipes.



**Instructions To Play**

1. **Firstly you need to run the flappybird.exe file.**
2. **Press,**

1 to start

2 to view instructions

3 to quit game.

**If you click 1 then,**

**Press spacebar to make bird fly.**

**If you hit a pipe or the ground, the game ends.**

**Problems We Faced**

1. Due to covid 19 we couldn’t meet each other.as a result we use github platform to do our codings. It helped us to complete this project as a group.

Graphical user interface, text, application

Description automatically generated

1. We hadn’t any idea about how games are programmed,what is the logic behind a game.

We watched several you tube tutorials realted to game development and gained some basic idea .(this is one of link for game development that we used to get an idea but it use python and pygame module but the instructor teach the theory behind the game development clearly.)

Ref: <https://youtu.be/FfWpgLFMI7w>

1. We had to use new header files. But we didn’t have an idea about those files and their inbuilt functions ,So we used internet to find neccassary details.

**What we have Done Different**