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| Project Design Document | |  | | --- | | *2/28/2022*  Ryan Beard | |

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| Project Concept | | | |
| 1 **Player Control** |  | You control a   |  | | --- | | *Bird* | | in this   |  |  | | --- | --- | | *Side View* | game | |
|  | where   |  | | --- | | *Space and left/right arrow keys* | | makes the player   |  | | --- | | *Bounce, and move left and right* | |

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| 2 **Basic**  **Gameplay** |  | During the game,   |  |  | | --- | --- | | *You are dodging spikes and walls that* | appear | | from   |  | | --- | | *At the start of the game* | |
|  | and the goal of the game is to   |  | | --- | | *Land on the green flag/target point* | | |

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| 3 **Sound**  **& Effects** |  | There will be sound effects   |  | | --- | | *when you bounce in the air, when you hit an obstacle, and when you reach the green flag/target point* | | and particle effects   |  | | --- | | *when you bounce, and when you die. Maybe when you reach the green flag/starting point as well* | |
|  | [*optional*] There will also be   |  | | --- | | *description of any other expected special effects or animation in the project.* | | |

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| 4 **Gameplay**  **Mechanics** |  | As the game progresses,   |  | | --- | | *There will be more difficult challenges, such as the layout itself, and maybe different types of obstacles/powerups* | | making it   |  | | --- | | *More challenging, and less repeating* | |
|  | [*optional*] There will also be   |  | | --- | | *description of any other gameplay mechanic(s) and their effect on the game.* | | |

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| 5 **User**  **Interface** |  | The   |  | | --- | | *level* | | will   |  | | --- | | *increase* | | whenever   |  | | --- | | *The player reaches the green flag/target point* | |
|  | At the start of the game, the title   |  |  | | --- | --- | | *"Migration"* | will appear | | | and the game will end when   |  | | --- | | *When all the levels have been beaten/when player presses the exit button* | |

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| 6 **Other Features** |  | |  | | --- | | *Any other notes about the project that you don’t feel were addressed in the above.* | |

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# Project Timeline

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| --- | --- | --- |
| Milestone | Description | Due |
| **#1** | |  | | --- | | * *Functional feature(s) by milestone #1* | | |  | | --- | | *mm/dd* | |
| **#2** | |  | | --- | | * *Functional feature(s) by milestone #2* | | |  | | --- | | *mm/dd* | |
| **#3** | |  | | --- | | * *Functional feature(s) by milestone #3* | | |  | | --- | | *mm/dd* | |
| **#4** | |  | | --- | | * *Functional feature(s) by milestone #4* | | |  | | --- | | *mm/dd* | |
| **#5** | |  | | --- | | * *Functional feature(s) by milestone #5* | | |  | | --- | | *mm/dd* | |
| **Backlog** | |  | | --- | | * *Feature on backlog - not a part of the minimum viable product* * *Feature on backlog - not a part of the minimum viable product* * *Feature on backlog - not a part of the minimum viable product* | | |  | | --- | | *mm/dd* | |

# Project Sketch