|  |  |  |
| --- | --- | --- |
| Project Design Document | |  | | --- | | *07/19/2020*  Abdulhakeem Idris | |

|  |  |  |  |
| --- | --- | --- | --- |
| Project Concept | | | |
| 1 **Player Control** |  | You control a   |  | | --- | | *Farmer* | | in this   |  |  | | --- | --- | | *Side View 3D* | game | |
|  | where   |  | | --- | | *Space bar* | | makes the player   |  | | --- | | *Jump while he is running* | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2 **Basic**  **Gameplay** |  | During the game,   |  |  | | --- | --- | | *Farm gates and other obstacles* | appear | | from   |  | | --- | | *The right side of the screen* | |
|  | and the goal of the game is to   |  | | --- | | *Not hit the obstacles while the farmer is running* | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 **Sound**  **& Effects** |  | There will be sound effects   |  | | --- | | *For when the player jumps*  *For the background music*  *For when the player hits obstacles* | | and particle effects   |  | | --- | | *Of sand behind the players feet when he runs*  *Of smoke when the player hits the wall* | |
|  | [*optional*] There will also be   |  | | --- | | *An animation of the player falling when they hit the obstacle* | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 4 **Gameplay**  **Mechanics** |  | As the game progresses,   |  | | --- | | *The obstacles come at the player at a slowly faster pace* | | making it   |  | | --- | | *harder for the player to avoid the obstacles* | |
|  | [*optional*] There will also be   |  | | --- | |  | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 5 **User**  **Interface** |  | The   |  | | --- | | *The score* | | will   |  | | --- | | *Increase* | | whenever   |  | | --- | | *As the player keeps progressing in the game* | |
|  | At the start of the game, the title   |  |  | | --- | --- | | *Running Farmer* | will appear | | | and the game will end when   |  | | --- | | *The player hits an obstacle* | |

|  |  |  |  |
| --- | --- | --- | --- |
| 6 **Other Features** |  | |  | | --- | |  | |

# 

# Project Timeline

|  |  |  |
| --- | --- | --- |
| 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