|  |  |  |
| --- | --- | --- |
| Project Design Document | |  | | --- | | *February 15, 2022*  Abdul Haseeb Sharif | |

|  |  |  |  |
| --- | --- | --- | --- |
| Project Concept | | | |
| 1 **Player Control** |  | You control a   |  | | --- | | *Knife (dart)* | | in this   |  |  | | --- | --- | | *top Down* | game | |
|  | where   |  | | --- | | *spacebar* | | makes the player   |  | | --- | | *Move and interact with other game objects in the game* | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2 **Basic**  **Gameplay** |  | During the game,   |  |  | | --- | --- | | *Target and other objects* | appear | | at   |  | | --- | | *Top of the screen* | |
|  | and the goal of the game is to   |  | | --- | | *To destroy the target by throwing knives* | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 **Sound**  **& Effects** |  | There will be sound effects   |  | | --- | | *description of sound effects* | | and particle effects   |  | | --- | | *description of particle effects* | |
|  | [*optional*] There will also be   |  | | --- | | *description of any other expected special effects or animation in the project.* | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 4 **Gameplay**  **Mechanics** |  | As the game progresses,   |  | | --- | | *The target revolves around its axis* | | making it   |  | | --- | | *Difficult for the player to throw the knife at target precisely* | |
|  | [*optional*] There will also be   |  | | --- | | *Other objects (fruits) placed on the target, if knife hits on the bonus is collected.* | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 5 **User**  **Interface** |  | The   |  | | --- | | *Score/knife* | | will   |  | | --- | | *increase/decrease* | | whenever   |  | | --- | | *Target destroyed and collection of bonus* | |
|  | At the start of the game, the title   |  |  | | --- | --- | | *“Working title* | will appear | | | and the game will end when   |  | | --- | | *Knife hits the other knife* | |

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

# 

# 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