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| --- | --- | --- |
| Project Design Document | |  | | --- | | *15/11/2021*  Hamza Muhammad | |

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| --- | --- | --- | --- |
| Project Concept | | | |
| 1 **Player Control** |  | You control a   |  | | --- | | *Hoverboard* | | in this   |  |  | | --- | --- | | *Third Person* | game | |
|  | where   |  | | --- | | *Keyboard input* | | makes the player   |  | | --- | | *moves player forward and left and right.* | |

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| --- | --- | --- | --- | --- | --- | --- |
| 2 **Basic**  **Gameplay** |  | During the game,   |  |  | | --- | --- | | *Racecourse* | Is shown | | from   |  | | --- | | *center of the screen* | |
|  | and the goal of the game is to   |  | | --- | | *Beat the best time* | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 **Sound**  **& Effects** |  | There will be sound effects   |  | | --- | | *Engine Sound and Music* | | and particle effects   |  | | --- | | *Engine lights up when moving forward* | |
|  | [*optional*] There will also be   |  | | --- | |  | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 4 **Gameplay**  **Mechanics** |  | As the game progresses,   |  | | --- | | *Course has obstacles* | | making it   |  | | --- | | *harder to beat the time* | |
|  | [*optional*] There will also be   |  | | --- | | *Speed boosters to increase your speed.* | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 5 **User**  **Interface** |  | The   |  | | --- | | *time* | | will   |  | | --- | | *increase* | | whenever   |  | | --- | | *Race is started* | |
|  | At the start of the game, the title   |  |  | | --- | --- | | *“Swoop racer"* | will appear | | | and the game will end when   |  | | --- | | *You cross the finish line.* | |

|  |  |  |  |
| --- | --- | --- | --- |
| 6 **Other Features** |  | |  | | --- | | *Reference:* [KOTOR: Swoop bike racing - Tatooine - YouTube](https://www.youtube.com/watch?v=jSAENIGXux4) | |

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# Project Timeline

|  |  |  |
| --- | --- | --- |
| Milestone | Description | Due |
| **#1** | |  | | --- | | * *Creating Hovercraft Mechanic* | | |  | | --- | | *15/11* | |
| **#2** | |  | | --- | | * *Create Obstacles* | | |  | | --- | | *16/11* | |
| **#3** | |  | | --- | | * *Create Speed Boosts* | | |  | | --- | | *17/11* | |
| **#4** | |  | | --- | | * *Adding Sound effects* | | |  | | --- | | *18/11* | |
| **#5** | |  | | --- | | *Add UI* | | |  | | --- | | *19/11* | |
| **Backlog** | |  | | --- | | * *QA* | | |  | | --- | | *20/11* | |

# Project Sketch

