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| Project Design Document | |  | | --- | | *24/02/2021*  Clayton Davidson  Blake Chalmers | |

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| Project Concept | | | |
| 1 **Player Control** |  | You control a   |  | | --- | | *Trolley Person* | | in this   |  |  | | --- | --- | | *Top Down/Third Person/Fixed Perspective* | game | |
|  | where   |  | | --- | | *Keyboard/Xbox Controller* | | makes the player   |  | | --- | | *Walk/Run/Push trolley* | |

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| 2 **Basic**  **Gameplay** |  | During the game,   |  |  | | --- | --- | | *Trolleys* | appear | | from   |  | | --- | | *In trolley zones or abandoned in the carpark* | |
|  | and the goal of the game is to   |  | | --- | | *Keep returning trolleys faster than the demand of shoppers using trolleys while responding to in game events* | | |

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| 3 **Sound**  **& Effects** |  | There will be sound effects   |  | | --- | | *Trolley drift skirt, environmental sound effects, positive/negative result sounds, notification alert sounds* | | and particle effects   |  | | --- | | *Trolley and running particles, weather effects, vehicle fumes* | |
|  | [*optional*] There will also be   |  | | --- | | *Victory animations* | | |

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| 4 **Gameplay**  **Mechanics** |  | As the game progresses,   |  | | --- | | *And the user collects more trolleys, time will pass and peak shopping will occur* | | making it   |  | | --- | | *More busy and frantic* | |
|  | [*optional*] There will also be   |  | | --- | | *Different amounts of time spent by NPCs In the supermarket causing varying amounts of trolleys* | | |

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| 5 **User**  **Interface** |  | The   |  | | --- | | *score/lives/timer* | | will   |  | | --- | | *increase/decrease* | | whenever   |  | | --- | | *condition to change score/lives/timer.* | |
|  | At the start of the game, the title   |  |  | | --- | --- | | *“Working title* | will appear | | | and the game will end when   |  | | --- | | *condition to end the game.* | |

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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