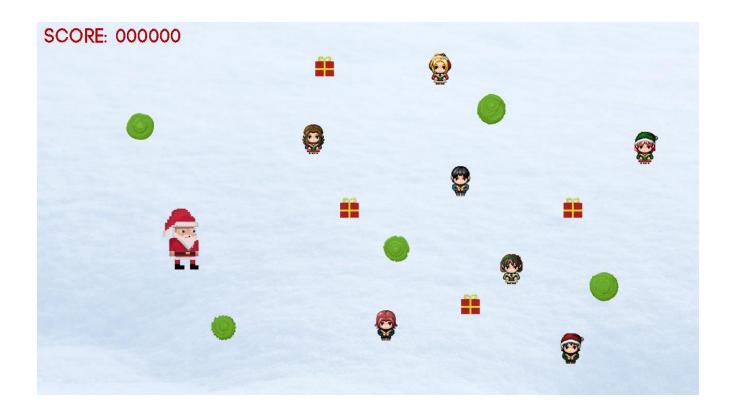
Game Engines - Task 1

Owen Magri and Peter Pantelic

Description

The game we will be creating will be called Present Rush. Present Rush will be a Christmas themed game where the player, playing as Santa, will be going around the map collecting presents and giving them to children, which in turn increases your score each time. The more presents you collect, the longer your sack gets. If a child disappears from the board, you will lose the game.

Visual References





Production Timeline

Waterfall model -

	19/11/20	23/11/20	30/11/20	07/12/20	14/12/20
Research					
Ideation					
Design					
Implementation					
	21/12/20	28/12/20	04/01/21	11/01/21	
Implementation					
(cont)					
Testing					
Balancing /					
Tuning					
Deployment					

Player

Moving player sprite

Collecting presents

Gives presents to children

Loses on FateMeter depletion

Game Manager PlayerSack Presents Children

Presents

Picked up by player

Added to PlayerSack

Given to children by the player

Is removed on collision

Player PlayerSack

Children

Are given presents by the player - score and FateMeter increase 3 states:

- happy
- neutral
- angry

Destroy child sprite if present is given or child gets angry

Player Score PlayerSack FateMeter

PlayerSack

As player picks up present, it is added to PlayerSack As player gives present to children, present is removed from PlayerSack Everytime a new present is added to PlayerSack, the player sack sprite grows longer

Player Presents Children

FateMeter

Decreases per second Longer the game goes on, the faster it depletes

If child is given present, FateMeter increases

If child despawns because of anger, FateMeter decreases

Children GameManager

Score

Shows current score on screen

Tracks highscore

Everytime the present is given to a child, the score increases

GameManager

Manages game state:

- Start
- Game Over

Instantiates

- Children sprite
- Presents sprite

Saves highscore once game is over

Player Presents Children FateMeter

Score