GEVO Tower Defence Battles
Plán hry

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1   Obecný plán hry

Tato hra se bude velmi inspirovat hrou „Bloons Tower Defense". Objevíte se na levelu, který bude mít předurčenou cestu kudy nepřátelé budou moct jít. Nepřátelé v této hře budou auta. Cíl nepřátel je se dostat po cestě pryč z mapy. Za každé auto, co vyjede z mapy se nám ubere 1 život. Počet životů máme podle nastavené obtížnosti. Abychom zabránili nepřátele musíme postavit věže, které mají své speciální schopnosti, každá střílí nějakým způsobem a jinak rychle. Každá věž také stojí jinou cenu.

2   Configuration

- Screen resolution: 960×800px $\Rightarrow 60 \times 50$ tiles

- Tile = 16×16px

- Speed of enemies: ?

- Size of enemies: 2 tiles

- Size of towers: 2 tiles

- Width of the road: 2 tiles

3   Ekonomika

- 1 hit = 1 coin

- Na konci každého kola: +100 coinů, každých 5 kol se počet zvýší o +100

- Počáteční peníze: 100 coinů

4   Levely

4.1   Level - 1

4.1.1   Round 1

- 20enemy lvl.1 $\rightarrow$ spawn 1 enemy per second aa

5   Věže

5.1   Basic věž

- Special ability: none

- Range: ? (outside of the tower)

- Cost:

- Base level:

    - Damage: 1
    - Recharge speed: 1s
    - Ammo type: White bullet
    - Upgrade cost:

- Level 1:

    - Damage: 1
    - Recharge speed: $\frac{2}{3}$s
    - Ammo type: White bullet
    - Upgrade cost:

- Level 2:

    - Damage: 2
    - Recharge speed: $\frac{2}{3}$s
    - Ammo type: Light grey bullet
    - Upgrade cost:

- Level 3:

    - Damage: 2.5
    - Recharge speed: $\frac{2}{3}$s
    - Ammo type: Dark grey bullet
    - Upgrade cost:

- Final stage:

    - Damage: 2.5
    - Recharge speed: $\frac{1}{3}$s
    - Ammo type: Black bullet
    - Upgrade cost:

5.2   Věž s očima

- Special ability: can attack all enemy types

- Range: ? (outside of the tower)

- Cost:

- Base level:

    - Damage: 1.5
    - Recharge speed: 1s
    - Ammo type: Very light green screw
    - Upgrade cost:

- Level 1:

    - Damage: 1.5
    - Recharge speed: $\frac{2}{3}$s
    - Ammo type: Light green screw
    - Upgrade cost:

- Level 2:

    - Damage: 2.5
    - Recharge speed: $\frac{2}{3}$s
    - Ammo type: Green screw
    - Upgrade cost:

- Level 3:

    - Damage: 2.5
    - Recharge speed: $\frac{1}{3}$s
    - Ammo type: Dark green screw
    - Upgrade cost:

- Final stage:

    - Damage: 4.5
    - Recharge speed: $\frac{1}{3}$s
    - Ammo type: Super dark screw
    - Upgrade cost:

5.3 Kanón

- Special ability: splash damage

- Range: ? (outside of the tower)

- Cost:

- Base level:

    – Damage: 5
    – Recharge speed: 3s
    – Ammo type: black canon bal
    – Upgrade cost:

- Level 1:

    – Damage: 5.5
    – Recharge speed: 2.5s
    – Ammo type: black canon ball with smoke
    – Upgrade cost:

- Level 2:

    – Damage: 6
    – Recharge speed: 2s
    – Ammo type: black canon ball with smoke and fire
    – Upgrade cost:

- Level 3:

    – Damage: 6.5
    – Recharge speed: 2s
    – Ammo type: black canon ball with a small explosion
    – Upgrade cost:

- Final stage:

    – Damage: 6.5
    – Recharge speed: 1.75s
    – Ammo type: black canon ball with a big explosion
    – Upgrade cost:

5.4   **Yeti**

- Special ability: freeze down ememies

- Range: 2 tiles (outside of the tower)

- Cost:

- Base level:

    - Freeze duration: 0.5s
    - Upgrade cost:

- Level 1:

    - Freeze duration: 1s
    - Upgrade cost:

- Level 2:

    - Freeze duration: 1.5s
    - Can freeze all enemy types
    - Upgrade cost:

- Level 3:

    - Freeze duration: 2s
    - Upgrade cost:

- Final stage:

    - Freeze duration: 3s
    - Upgrade cost:

5.5   Laser

- Special ability: destroys camouflage paint from hidden cars, therefore they act like normal enemies.

- Range: 6 tiles

- Recharge speed = 0s

- Cost:

- Base level:

  - Damage: $\frac{1}{3}$
  - Ammo type: white laser
  - Upgrade cost:

- Level 1:

  - Damage: 1
  - Ammo type: green laser
  - Upgrade cost:

- Level 2:

  - Damage: 2
  - Ammo type: blue laser
  - Upgrade cost:

- Level 3:

  - Damage: 3
  - Ammo type: purple laser
  - Upgrade cost:

- Final stage:

  - Damage: 6
  - Ammo type: red laser
  - Upgrade cost:

6   Nepřátelé

7 Color palette

Názvy barev, které používáme.