Human v Alien

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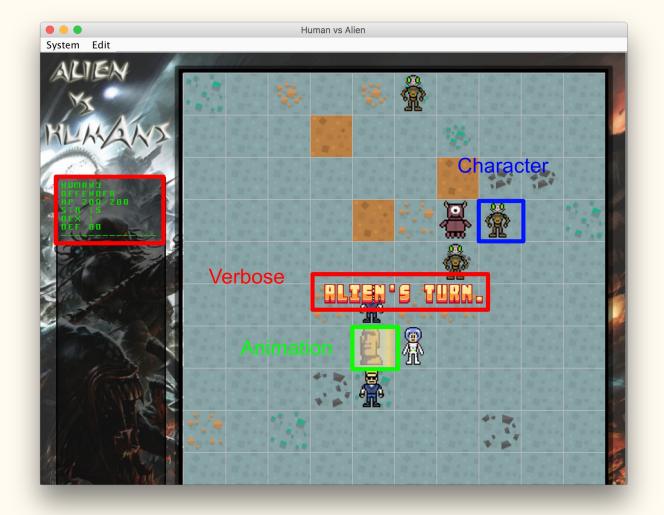
Game Demo

The remarkable part of our game!

- Graphics
- Job System
- Skills
- Design Patterns

Graphics

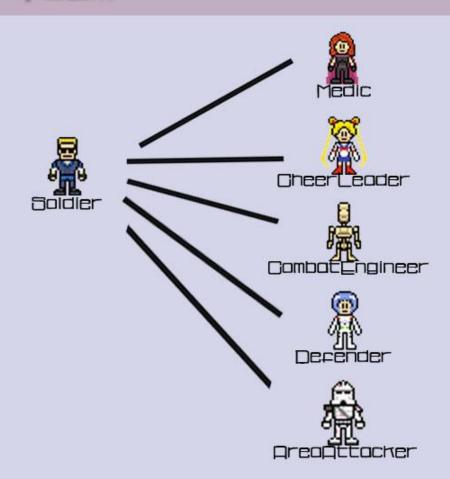
- 1. Character
- 2. Verbose
- 3. Animation



Job System

Human Team

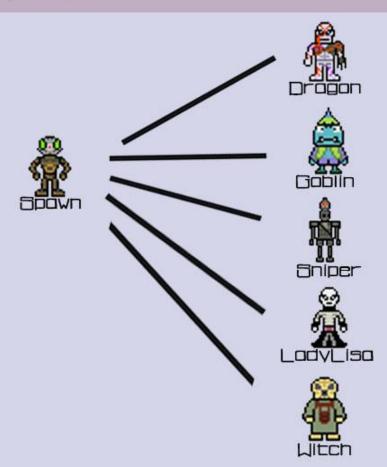


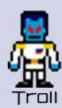




Alien Team







Skills

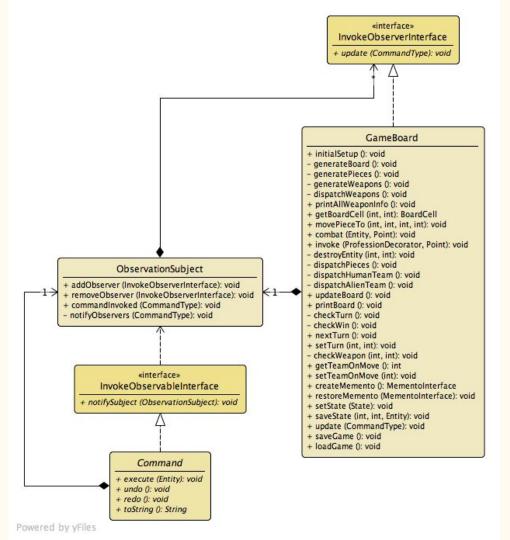
Job	Team	Max HP	Strength	Defense	Agility	Attack Range	Attack Name	Weapon	Description
Human Team									
Commander	0	200	30	15	3	0	Charge	None	Attacks hp
Soldier	0	50	10	10	2	. 1	Attack	None	Attacks hp
Medic	0	150	40	10	2	. 18	Heal	Magical Hands	Raises hp
AreaAttacker	0	80	50	10	2	. 6	Area Blast	Cannon	Attacks hp, strength, defense - equally
Warrior	0	65	80	20	1	. 0	All In	Gun	Attacks hp
Defender	0	200	15	80	1	. 4	Great Wall	Shield	Raises defense
Combat Engineer	0	130	40	15	3	10	Minefield	Combat Kit	Attacks hp, strength and defense - not equally
Cheerleader	0	75	30	10	2	. 18	Cheer Dance	Flag	Increases strength, defense, agility
Alien Team									
Chief	1	. 200	30	15	3	0	Command	None	Attacks hp
Spawn	1	. 50	10	10	, 1	. 1	Fight	None	Attacks hp
Witch	1	. 150	40	10	2	. 18	Twin Spell	Magical Hands	Restores HP to max amount, raises strength and defense
Sniper	1	. 90	40	10	1	. 9	Long Laser	Cannon	Attacks hp
Troll	1	. 60	100	15	, 1	. 0	Ultimate Destruct	Gun	Attacks hp
LadyLisa	1	. 150	30	50	2	. 7	Eyes of Stone	Shield	Sets enemy's hp to 1
Dragon	1	. 120	40	15	3		Higher Power	Combat Kit	Sets enemy's strength and defense to zero
Goblin	1	. 70	35	10	2	5	Double Shot	Flag	Sets defense to zero and attacks hp

- ☐ Factory
- ☐ Prototype
- ☐ Flyweight
- □ Singleton

- **□** Decorator
- Observer
- Command
- Memento

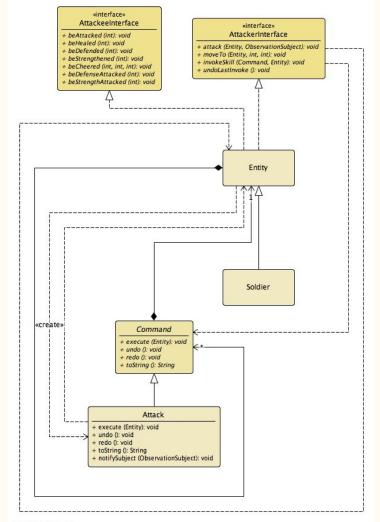
Observer

- ☐ Command Object is created by a lower level object of Gameboard
- Gameboard need to be notified when a command is performed
- Then gameboard can pass a parameter to game controller for updating command animation on view



Command

- Every movement of an entity is a subclass of command class
- A command subclass will be created and stored in Entity object for undo function
- Easy to develope a new skill for a job class without modifying a job class itself.
- Reduce coupling between classes



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Memento

- Gameboard responsible for creation of memento for restoring from last state
- CareTaker responsible for saving and retrieving memento object for gameboard class.
- ☐ Memento encapsulates all information needed for restoring, careTaker doing nothing about information inside memento object.

