

GD50

Lecture 7: Pokémon

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GEODUDE

:L19



WEEPINBELL

:L25



71 / 71

	<p>▶ FIGHT <small>PKM</small></p> <p>ITEM RUN</p>
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SENTRET

:L3 ♀

HP:



CYNDQUIL

:L5 ♂

HP:

20 / 20

▶ FIGHT PKM

PACK RUN

SEEL ♀ Lv36
HP 



RAICHU ♂ Lv51
MP 
126/126
EXP 

What will
RAICHU do?

- FIGHT
- BAG
- POKéMON
- RUN

BUIZEL Lv.8



CHATOT Lv.18



56/60



What will CHATOT do?



Growl

NORMAL PP 40/40

Mirror Move

FLYING PP 20/20

Sing

NORMAL PP 15/15

Fury Attack

NORMAL PP 18/20

CANCEL



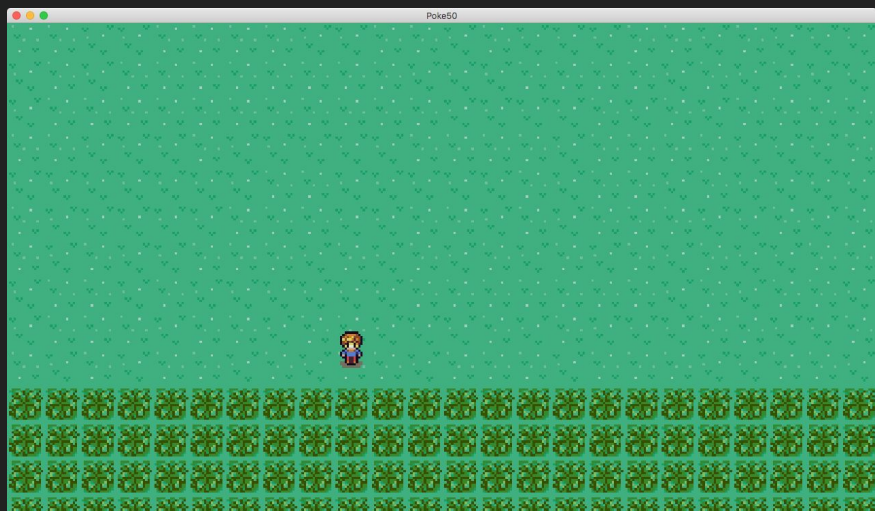


Topics

- StateStacks
- Turn-Based Systems
- GUIs
- RPG Mechanics

But first, a demo!

Our Goal



<https://howtomakeanrpg.com/>





StateStack

- Allows us to return back to states as they were when we left them, rather than create new ones.
- Can allow us to render multiple states at once.
- Only the top-most state on the stack is being updated at once, though this could be changed if we wanted it to.

GUIs

- Short for "graphical user interface"
- Common widgets and elements include Panels, Labels, Textboxes, Scrollbars, and others

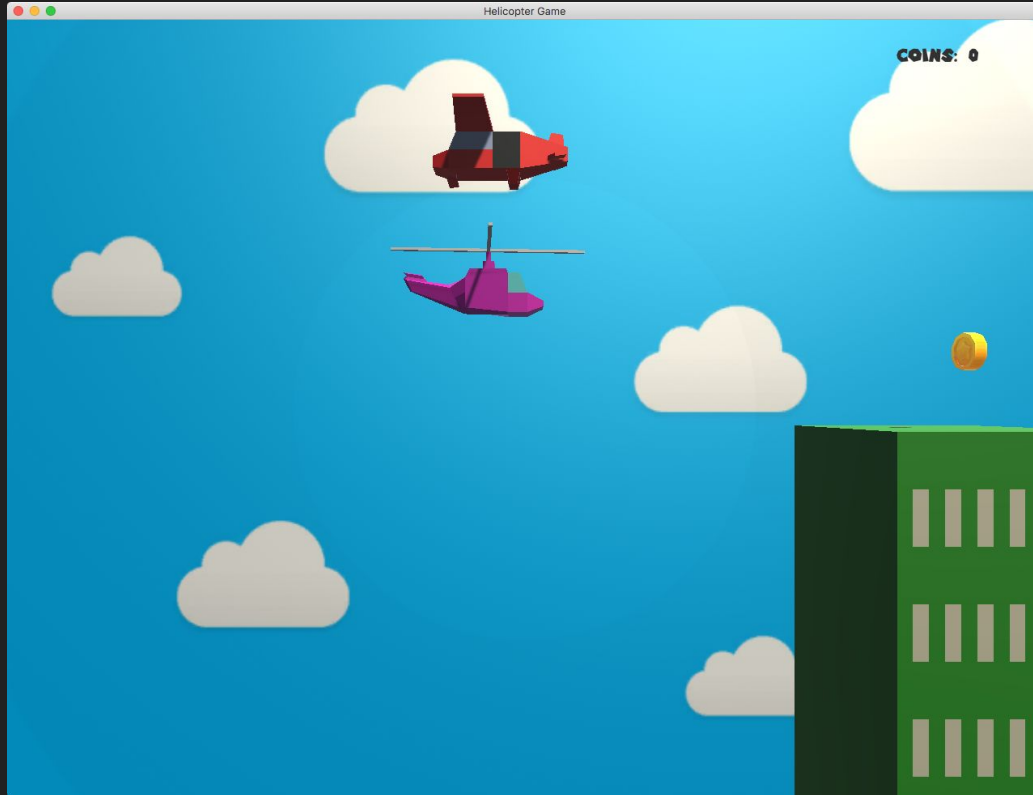
Some Missing Features

- Detailed Level-Up Screen
- Monster Catching
- Field Menu For Browsing Pokemon
- Item Inventory
- Different Abilities
- Other Trainers to Fight
- Monster Evolution
- Towns, Routes, and Other Levels
- Breeding
- Day/Night Cycle

Assignment 7

- When the player's Pokemon levels up, display in a Menu all of the stat increases.
- The Selection class will need to be tweaked such that the cursor is optional, as there's nothing to actually select here.
- The "levelUp" function in the Pokemon class returns all of the stat increases, which you can use alongside the Pokemon's stats prior to leveling up.
- Most of this will be implemented in the "victory" function of the TakeTurnState class.

Next Time...





See you next time!

