

DESIGN

This program will play a battle between two teams of selected creatures. The program consists of 5 Creature class files called Barbarian, BlueMen, HarryPotter, Medusa, and Vampire. The Creature class governs these. The dice class returns roll results. The queue, stack, and structure classes provide assistance with creature movement on the stack.

Development of these classes was taken from previous weeks and combined into a program that meshed together.

TESTING

CLASS	TEST CASE	INPUT VALUES	DRIVER FUNCTIONS	EXPECTED OUTCOME	OBSERVED OUTCOME
main	creatureChoice	Y	player1.add(fighter) or player2.add(fighter)	Player added to fight list.	As expected
main	playerFighter	Y	isAlive()	Player can attack if creature is alive	As expected
main	Player1	Y	add(player1Fighter)	add the winner back to the queue for future fights	As expected
main	losers	Y	add(player2Fighter)	Add the loser to the stack	As expected
main	player1	N	sort()	sort the remaining creatures from lowest to highest	As expected
main	losers	Y	add(player1.remove())	add the rest of the creatures to the loser location	As expected
main	player2	N	sort()	sort the remaining creatures from lowest to highest	As expected
main	losers	Y	add(player2.remove())	add the rest of the creatures to the loser location	As expected
main	Creature *winner	N	losers.remove()	remove the losers and	As expected

				display them in the next step	
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