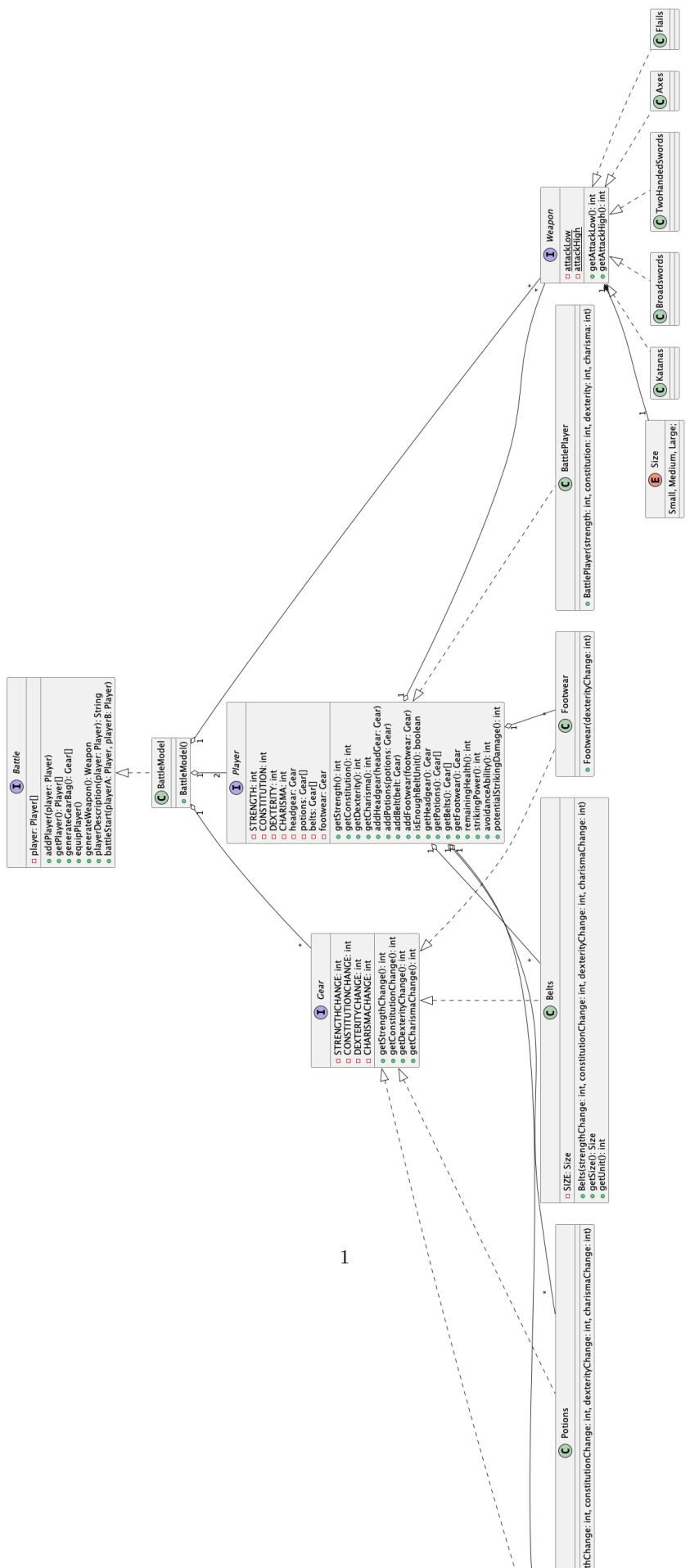


1. ORIGINAL DESIGN



## 2. BATTLEPLAYER

Method	Input	Expected
Constructor with invalid values	BattlePlayer(0, 0, 0, 0)	IllegalArgumentException
Constructor with valid values	BattlePlayer(2, 2, 2, 2)	
test remainHealth	remainHealth()	
test strikingPower	strikingPower()	
test avoidanceAbility	avoidanceAbility()	
test potentialStrikingDamage	potentialStrikingDamage()	

## 3. HEADGEAR

Method	Input	Expected
Constructor with valid values	Headgear(2)	

## 4. POTIONS

Method	Input	Expected
Constructor with invalid values	Potions(2, 2, 2, 2)	IllegalArgumentException
Constructor with valid values	Potions(2, 0, 0, 0)	

## 5. FOOTWEAR

Method	Input	Expected
Constructor with valid values	Footwear(2)	

## 6. BATTLEMODEL



## 8. GEARTEST

Method	Input	Expected
Constructor of a gear	strength of the gear	equal
Constructor of a gear	constitution of the gear	equal
Constructor of a gear	dexterity of the gear	equal
Constructor of a gear	charisma of the gear	equal
Constructor of a gear	size of the belt	equal

## 9. WEAPONTEST

Method	Input	Expected
Constructor of a weapon	low attack range of the weapon	equal
Constructor of a weapon	high attack range of the weapon	equal

## 10. BATTLETEST

Method	Input
Non-positive ability of a player	0 charisma
Adding gear doesn't change base ability	base constitution and constitution after adding headgear
Correct total health	assertEquals(total, player.remainingHealth())
Correct striking power	assertEquals(total - 3, ((BattlePlayer) player).baseSp)
Correct avoidance	assertEquals(1, ((BattlePlayer) player).baseAa())
Correct potential damage	assertEquals(total - 3, player.potentialStrikingDamage)
Negative damage change nothing	do -1 damage and check if change remain health
Correct updating health after damage	do 1 damage and check
Test entering arena with bare hand	check no gear and no weapon
Test one headgear	add two headgear
Test one footwear	add two footwear
Test belt unit	add 2 large belt and 1 medium belt