Entity (abstract)			
# currentCell: Cell	the Cell that this entity is currently occupying		
+ Entity(Cell)	constructor which takes in a Cell to make currentCell		
+ getCurrentTile(): void	returns this Entity's currentTile		
+ setCurrentTile(Tile currentTile)	sets this Entity's currentTile to the parameter		

Character (extends Entity)		
# health: double	this Character's current health	
# maxHealth: double	this Character's maximum health	
# attack: double	this Character's attack	
# defence: double	this Character's defence	
# armor: Item	this Character's equipped armor Item	
# weapon: Item	this Character's equipped weapon Item	
# race: Race	this Character's Race	
# effects: Effect[]	an array of this Character's current Effects	
# gold: int	the amount of gold held by this character	
# potionPower: double	increases the effectiveness of potions, influenced by Race, Items, and Effects	
# healthOnKill: double	the amount of health gained when killing an enemy, influenced by Race, Items, and Effects	
# goldOnKill: int	the amount of gold gained when killing an enemy, influenced by Race, Items, and Effects	
# turnController: TurnConroller	an TurnController object that Character's use to start and end their turns	
+ Character(Cell currentCell, Race race)	constructor which takes in a Cell to be passed into super() and a Race, which race becomes	
+	takes in a TurnController object so the	

startTurn(TurnController): void	Character can pass the turn to the next Character at the end of their turn, calls updateStats() and applyEffects()
+ endTurn(): void	called when this Character is done with their turn, calls decrementEffectDurations(effects), indicates to turnController that their turn is over
+ static doDamage(Character caster, Character target, DamageType damageType, double damage): void	static method that handles the dealing of damage between characters, passes different values into takeDamage() depending on damageType when it's called
+ takeDamage(double amount, Character damager): void	decrements health by the amount parameter, if this kills the character, attempt to call targetKilled(damager)
+ targetKilled(): void	apply this character's xxxOnKill variables
+ takeHeal(double amount): void	increments health by the amount parameter, up to maxHealth
+ addEffect(Effect effect): void	Adds the given effect Effect to this character's effects array
+ updateStats(): void	update this character's stats based on base values, racial bonuses, item bonuses, and stat-changing effects, calls effects[i].applyStatChange() for all i in effects
+ applyEffects(): void	call effects[i].applyEffect() for all i in effects
+ decrementEffectDurations(Effect[] effects): void	call effects[i].decrementDuration() for all i in effects, destroy effects with duration 0
+ modStat(double amount, Stat stat): void	increment the given Stat by the given amount
+ getAttack(): double	returns this character's attack
+ getDefence(): double	returns this character's defence

Item (extends Entity)			
ItemType {WEAPON, ARMOR, POTION}: enum	enumerator indicating weather this item is a weapon, armor, or potion		
itemType: ItemType	this Item's ItemType		
healthMod: double	the change in health this Item causes		
attackMod: double	the change in attack this Item causes		
defenceMod: double	the change in defence this Item causes		
+ Item(Cell currentCell, ItemType itemType, double healthMod, double attackMod, double defenceMod)	constructor that takes in the cell this item should occupy, this Item's ItemType, and it's health, attack, and defenceMods, calls super(currentCell)		

Race		
# raceName: String	the name of this Race	
# healthMod: double	the change in health this Race causes	
# attackMod: double	the change in attack this Race causes	
# defenceMod: double	the change in defence this Race causes	
# raceEffect: Effect	the Effect applied to Characters of this Race	
+ getRaceName(): String	returns the name of this Race	
+ getHealthMod(): double	returns this character's healthMod	
+ getAttackMod(): double	returns this character's attackMod	
+ getAttackMod(): double + getDefenceMod(): double	returns this character's attackMod returns this character's defenceMod	

Effect				
# affectedCharacter: Character	the Character that this Effect is applied to			
# caster: Character	the Character that caused this Effect to be applied			
# effectName: String	the name of this Effect			
# magnitude: double	the magnitude of this Effect			
# duration: int	the remaining turns that this Effect will be active for			
# isPermanent: boolean	signifies whether this Effect is permanent or not, set to true if a duration of -1 was passed into the constructor			
# healthMod: double	the change in health this Effect causes			
# attackMod: double	the change in attack this Effect causes			
# defenceMod: double	the change in defence this Effect causes			
+ applyEffect(): void	applies any non-stat-change components of this Effect			
+ applyStatChange(): void	applies any stat-changes caused by this Effect			
+ decrementDuration(): void	decrements duration by 1 if not isPermanent			
+ getDuration(): int	returns duration			

Stat (enum)		
MAX_HEALTH	corresponds to maxHealth	
ATTACK	corresponds to attack	
DEFENCE corresponds to defence		
POTION_POWER	corresponds to potionPower	
HEALTH_ON_KILL	corresponds to healthOnKill	
GOLD_ON_KILL	corresponds to goldOnKill	

DamageType (enum)	
PHYSICAL	doDamage() calls target.takeDamage(Math.ceil((100 / (100 + target.getDefence())) * damage), caster)
ELEMENTAL	doDamage() calls target.takeDamage(damage, caster) until some sort of magic defence is implemented

Cell			
- gridX: int	this cell's x position on the Floor grid		
- gridY: int	the cell's y position on the Floor grid		
- tileTexture: BufferedImage	the texture gained from the Tile absorbed by this Cell		
- occupiable: boolean	whether or not this cell can be occupied by entities, gained from absorbed Tile		
- occupant: Entity	the Entity occupying this Cell		
+ Cell(int gridX, int gridY, Tile tile)	constructor that takes in an x and y grid position and a Tilem from which tileTexture and occupiable are absorbed		
+ getOccupant(): Entity	returns occupant		
+ setOccupant(Entity occupant): void	sets occupant to the parameter Entity if this Cell doesn't already have an occupant and if this Cell is occupiable, calls occupant.setCurrentTile(this)		
+ getSpaceOpen(): boolean	returns true if this Cell doesn't have an occupant and this Cell is occupiable, otherwise returns false		
+ getOccupiable(): boolean	returns occupiable		
+ getGridX(): int	returns gridX, may not be needed		
+ getGridY(): int	returns gridY, may not be needed		