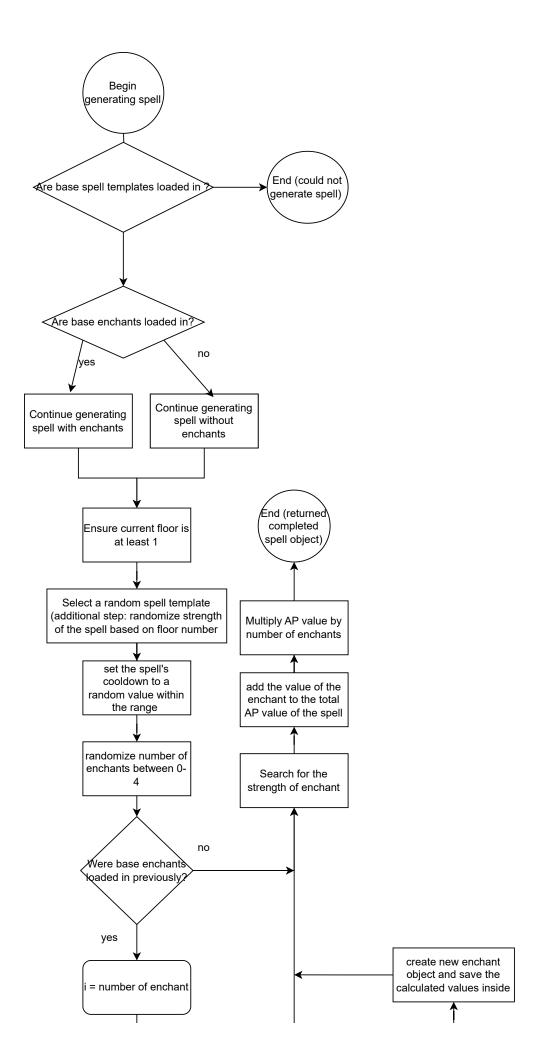
```
sed on the current floor.
oor number (1-10).
ell object, or null if generation fails.
int currentFloor) {
   || allBaseSpellTemplates.isEmpty()) {
   rator Error: No base spell templates loaded!");

11) {
   rator Warning: No base enchants loaded. Spells will have no enchants.");

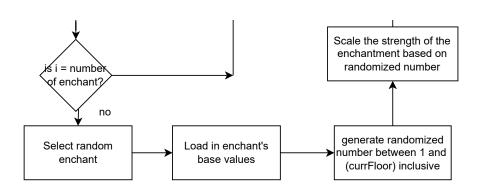
loor is at least 1

mplate
e = allBaseSpellTemplates.get(random.nextInt(allBaseSpellTemplates.size()));
```



```
double minCD = selectedTemplate.c
double maxCD = selectedTemplate.c
double rawCooldown = minCD + (max
double actualCooldownSeconds = Bi
int M_spell = random.nextInt(curr
double effectiveCoreEffectValue =
 int numberOfEnchants = random.ne
List<EnchantInstance> appliedEnc
 if (allPossibleBaseEnchants != n
     for (int i = 0; i < numberOfB
         BaseEnchant selectedBase
        double trueBaseValue = se
         double maxTotalValueAtFlo
         double maxPotentialIncre
         int M_enchant = random.ne
         double finalEnchantValue
         finalEnchantValue = Math
         finalEnchantValue = Math
        appliedEnchants.add(new
 double apSum = GLOBAL_BASE_AP_COS
 CoreEffectData coreEffect = sel
 switch (coreEffect.type()) {
     case DAMAGE:
     case HEALING:
     case SHIELD_APPLICATION:
     case APPLY_DOT:
     case BUFF_PLAYER:
     case DEBUFF_ENEMY:
         apSum += Math.abs(effect
         System.out.println("Spe
 for (EnchantInstance enchant :
     apSum += Math.abs(enchant.f
 double enchantMultiplier = ENCHA
   nt finalAPCost = (int) Math.ro
 finalAPCost = Math.max(5, finalA
 // 7. Construct and
 return new PlayerSp
               selectedTem
              actualCoold
               effectiveCo
```

```
ooldownRange().minSeconds();
ooldownRange().maxSeconds();
CD - minCD) * random.nextDouble();
gDecimal.valueOf(rawCooldown).setScale(1, RoundingMode.HALF_UP).doubleValue();
selectedTemplate.coreEffect().baseValue() * M_spell;
xtInt(5);
hants = new ArrayList<>();
 11 && !allPossibleBaseEnchants.isEmpty() && numberOfEnchants > 0) {
Enchants; i++) {
Enchant = allPossibleBaseEnchants.get(random.nextInt(allPossibleBaseEnchants.size()));
electedBaseEnchant.trueBaseValue();
por50 = selectedBaseEnchant.maxTotalValueAtFloor50();
aseByF50 = maxTotalValueAtFloor50 - trueBaseValue;
extInt(currentFloor) + 1; // M is 1 to currentFloor
 = trueBaseValue +
  Math.round(((maxPotentialIncreaseByF50 / 50.0) * M_enchant));
.min(finalEnchantValue, maxTotalValueAtFloor50);
.max(finalEnchantValue, trueBaseValue);
EnchantInstance(selectedBaseEnchant, finalEnchantValue));
ased on effectiveCoreEffectValue and finalRolledValue of enchants)
ST;
ectedTemplate.coreEffect();
tiveCoreEffectValue);
llGenerator Note: CoreEffectType " + coreEffect.type() +
appliedEnchants) {
inalRolledValue());
ANT_COUNT_AP_MULTIPLIERS[Math.min(numberOfEnchants, ENCHANT_COUNT_AP_MULTIPLIERS.ler
und(apSum * enchantMultiplier);
APCost); // Ensure AP cost is at least 5
 Return PlayerSpell Instance
ell(
plate,
ownSeconds,
reEffectValue,
```



appliedEnch finalAPCost

);