





November 24, 2012

public void PlayerAct(ArrayList<Civilization> allCivs) System.out.println("Your turn. Select an action"); System.out.println("1: Check my team."); System.out.println("2: Attack another team."); System.out.println("3: Declare War on another team."); System.out.println("4: End Your turn."); int num = 0; int attacks = 0; while (num==0) num = Reader.pickOption(4); switch (num){ case 1:{ System.out.println("Population: " + this.population) num=0; break; case 2:{ this.attack(this.chooseTarget(allCivs)); break; case 3:{ this.declareWar(this.chooseTarget(allCivs)); num=0; break; case 4:{ break; default: { num=0; break; public void Alact(ArrayList<Civilization> allCivs) for(Iterator<Civilization> it = allCivs.iterator(); it.hasNext(); ) { Civilization civ = it.next(); if (!this.equals(civ) && !this.enemies.contains(civ.getName()) && Math.random()>0.9) this.declareWar(civ); civ.declareWar(this); if (this.enemies.contains(civ.getName())) this.attack(civ); int num = 1; Civilization civ; for(Iterator<Civilization> it = allCivs.iterator(); it.hasNext();num++ ) { civ = it.next(); System.out.println(num + ": " + civ); return allCivs.get(Reader.pickOption(num)); private void attack(Civilization civ) System.out.print(this +" attacked "+ civ +"! "); this.battle(civ); 

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153
          private void battle(Civilization def)
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              double offense = this.offense*this.population*Math.random();
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              double defense = def.defense*def.population*Math.random();
158
              int lost = 0;
              if (offense < defense)
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160
                 lost = (int) Math.round( (defense - offense)*0.1);
161
162
                 this.population -= lost;
                 System.out.println(this + " lost " + lost +" people.");
163
164
              if (offense > defense)
165
166
                 lost = (int) Math.round((offense - defense)*0.1);
167
168
                 def.population -= lost;
                 System.out.println(def + " lost " + lost +" people.");
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170
             }
171
          }
176
         public void declareWar(Civilization enemy)
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             String enemyName = enemy.getName();
             if (this.allies.contains(enemyName))
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180
                 this.allies.remove(enemyName);
             this.enemies.add(enemyName);
181
182
             System.out.println(this.civName + " declared war on " + enemy + "!");
183
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