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Farm System:
Developer: Mateo Iza

ChickenCoop
-id : int
-chickens : Chicken[]
+add(chicken : Chicken)
+remove(chickenId : int)
+resetIteration()
+next()

<<use>>

Chicken
-id : Iint
-name : string
-color : String
-age : int
-SiMolting : boolean
-bornOnDate : Date
+do Stuff()
-cluck()
-wander()
-eat()
-drink()
-poop() : Poop
-layAnEgg()

<<use>>

ChickenFarmer
-name : String
-coops : ChickenCoop[]
+add(coop : ChickenCoop)
+remove(coopId : int)
+resetIteration()
+next() : ChickenCoop

Poop
-id : int

<<create>>

<<create>>

Egg
-id : int
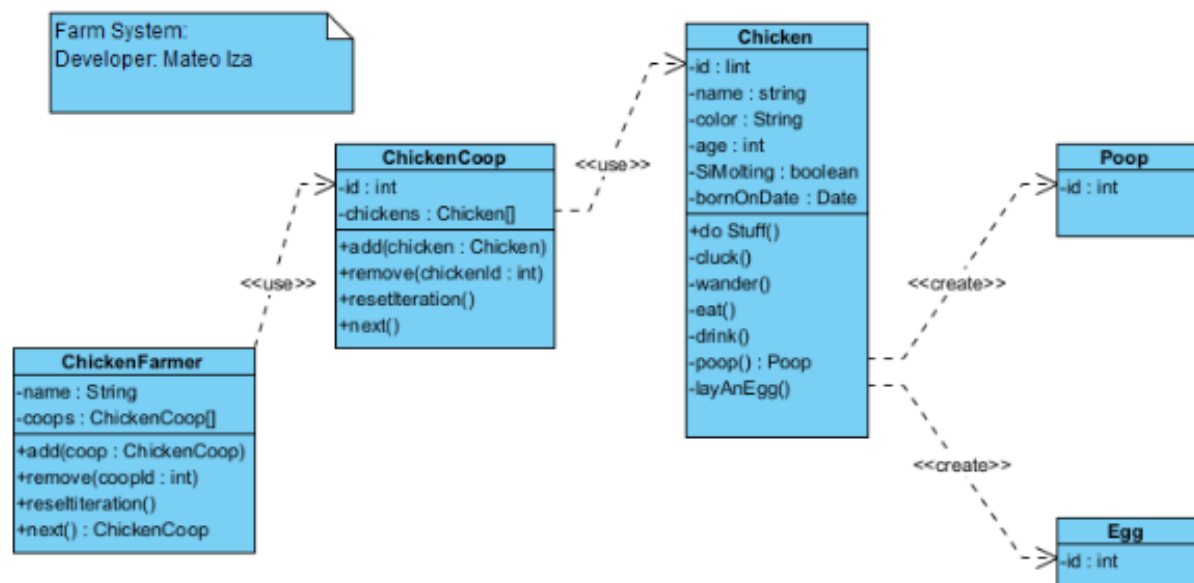
```
public class Chicken{
    private int id;
    private String name;
    private int age;
    private boolean  is molting;

    public void doStuff(int forTime );
    private void cluck();
    private void wander();
    private void eat();
    private void drink();
    private Poop ();
    private Egg layAnEgg();

}

public class ChickenCoop{
    private int id;
    private Chicken [ ]chickens;

    public void add(Chicken chicken);
    public void remove(int chicken Id);
    public void resetIteration();
    public Chicken next();

}
```

```
public class chicken{
    private int id;
    private String name;
    private int age;
    private boolean  is molting;

    public void doStuff(int forTime );
    private void cluck();
    private void wander();
    private void eat();
    private void drink();
    private Poop ();
    private Egg layAnEgg();

}

public class ChickenCoop{
    private int id;
    private chicken [ ]chickens;

    public void add(Chicken chicken);
    public void remove(int chicken id)
    public void resetIteration();
    public Chicken next();

}

public class ChickenFarmer{
    private String name;
    private ChickenCoop [ ]chickens;

    public void add(ChickenCoop Coop);
    public void remove(int coop Id);
    public void resetIteration();
    public ChickenCoop next();

}
```

```
public class Poop{
    private int id;
}

public class Egg{
    private int id;
```