

New Classes:

CritterWorld:

Purpose: Hold all of critters being created and living in world

Fields:

Set<Critter> myCritters: set of all critters in the world

Set<Critter> newbornCritters: set of critters that have just been born and are not yet added to world

Set<Critter> movedCritters: set of critters that have moved this time step
int population: the number of critters in the world

int newborns: the number of newborns in the world

Methods:

makeCritterWorld(): initiate the world

stageOneInit(): used for Stage One creation of world

addCritter(): add critter to myCritters

remove(Critter c): remove critter from myCritters

getCritterList(): get set of all critters in world

getBabyList(): get set of all newborn critters

addNewborn(Critter c): add newborn to list of newborns

addMovedCritter(Critter c): add critter to list of moved critters

clearMovedCritters(): clear list of moved critters

hasCritterMoved(Critter c): see if critter has moved this time step

Critter Holding Data Structure:

Set<Critters> myCritters: myCritters is the data structure used for holding all critters currently in the world.

It is a set for quick access, removal and addition.