

OsMowSis

Team 63

Members

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Key Requirements

- ▶ Multiple Lawnmowers working collaboratively in one lawn
- ▶ Puppy obstacle in addition to fences and craters
 - ▶ Puppies have the ability to move
 - ▶ Lawnmower cannot occupy a space where there is a Puppy
 - ▶ If puppy moves onto a Lawnmower, the mower is stalled until the puppy chooses to move.
- ▶ Mowers share data with each other.
 - ▶ They have no knowledge of the lawn itself, they must build this knowledge
 - ▶ Centralized data unit.
- ▶ Centralized Simulation monitor

Key Design Modifications

- ▶ Multiple Lawnmowers
- ▶ Addition of Puppies
- ▶ LawnMower Manager and Lawn Manager
 - ▶ LawnMower Manager: Polls the lawnmowers to gather knowledge of the lawn
 - ▶ Lawn Manager: Polls the puppies, manages functionality of puppies

Demonstration

- ▶ Quick demo
- ▶ Well fulfilled test case

Source Code

- ▶ https://github.gatech.edu/sdhanadhya3/simulation_system