The Perfect Swarm

http://tinyurl.com/perfectswarm

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Problem Definition

• Can individuals work together by working individually?
  • No central intelligence!

• Can they work better?
  • Ants, bees

• Are there advantages?
  • Smaller code, more agile
Plan & Schedule

• Roles
  • System Driver (Brian)
  • Environment (James)
  • Agents (Bill)

• Collaboration
  • Weekly meetings
  • SVN repository

• Deadlines
  • Iteration 1 - March 2
Deliverables

• Intermediate 1
  • Load environments into GUI
  • Set of rules for agents
  • Agents communicate with each other
  • Basic types of terrain
  • System driver queues and executes moves
• Intermediate 2
• Final
Deliverables

• Intermediate 1
• Intermediate 2
  • Advanced terrain types
  • Implement hostile elements
  • Agents utilize behavioral algorithms
• Final
Deliverables

• Intermediate 1
• Intermediate 2
• Final
  • Compare and analyze behavioral algorithms
  • Dynamic environment
  • GUI with images