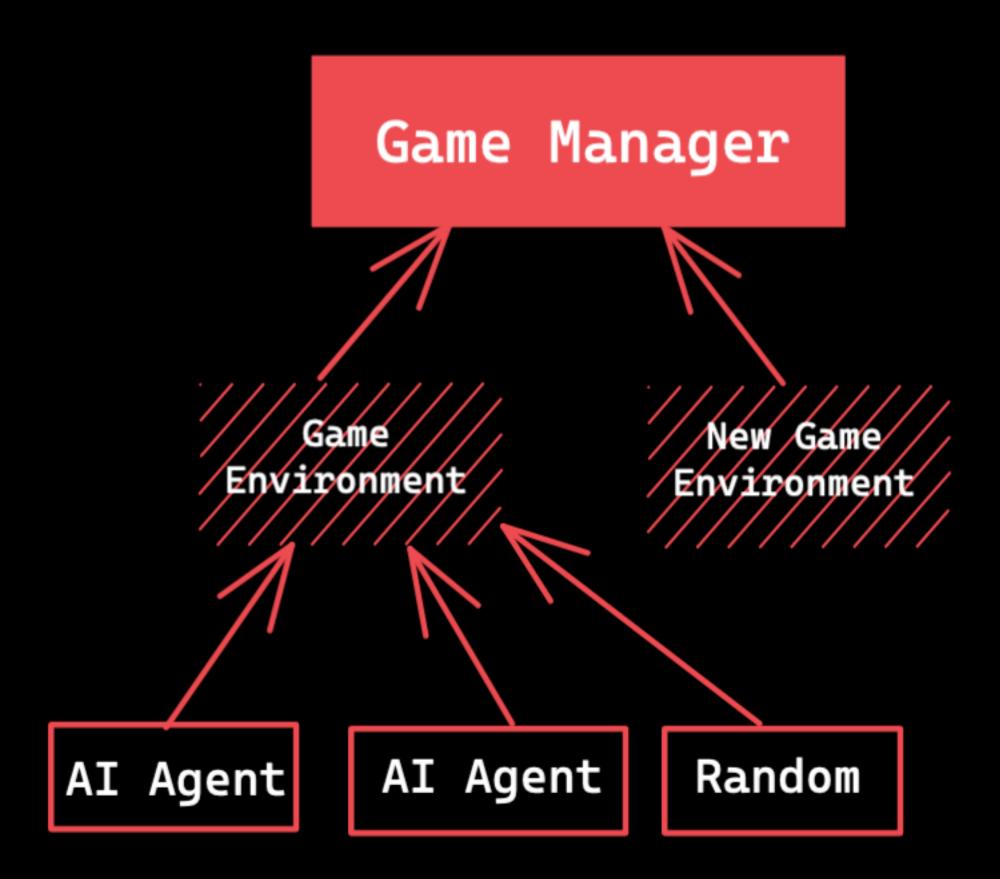
Deep Reinforcement Learning

Architecture

- Game Manager
 - Has access to a proxy game instance
 - Can change observation space
 - Can spawn new games
- Game Environment
 - Agents learn (or act) in here
- Al Agent: Learns to play the game



Deep Reinforcement Learning

Overview of DRL algorithms

Model Based:

- State transition probabilities are **known** (the game/environment is known)
- Useful for single player games with entire game state known
- "Plan" (or brute-force) the best possible action

Model Free:

- Rely on "learning"
- Unbiased assumptions about environment
- Accurate value or optimal policy functions are learned through trial and error

