

FSMs:



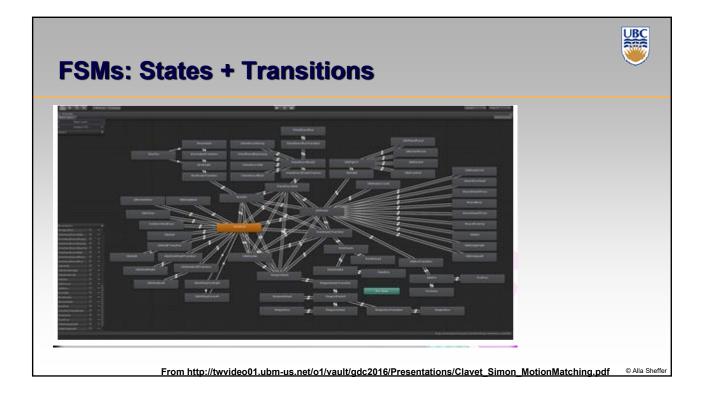
© Alla She

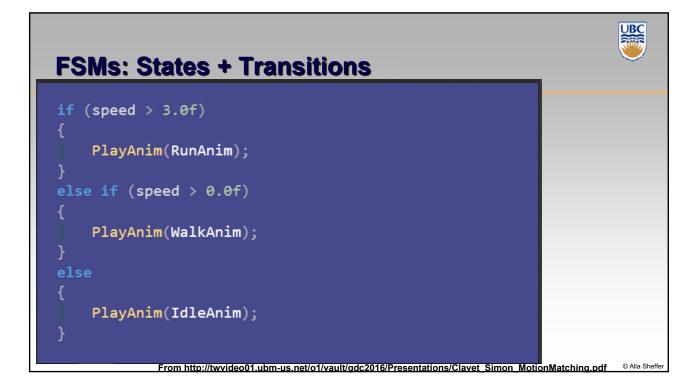
• Each frame:

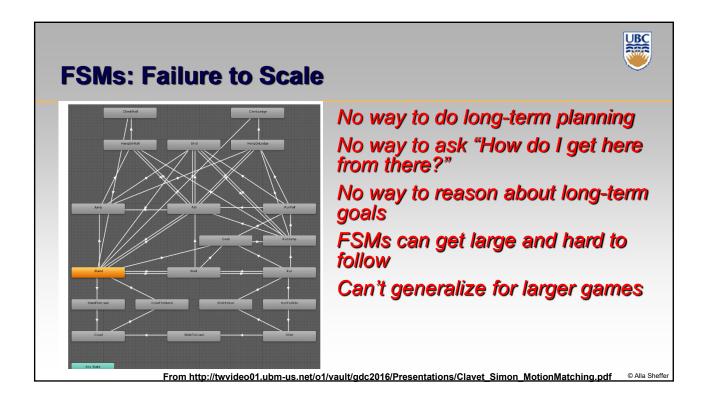
- Something (the player, an enemy) does something in its state
- It checks if it needs to transition to a new state
 - If so, it does so for the next iteration
 - If not, it stays in the same state

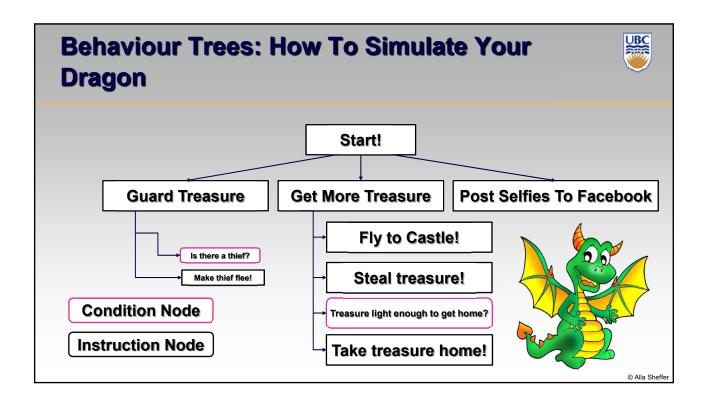
Applications

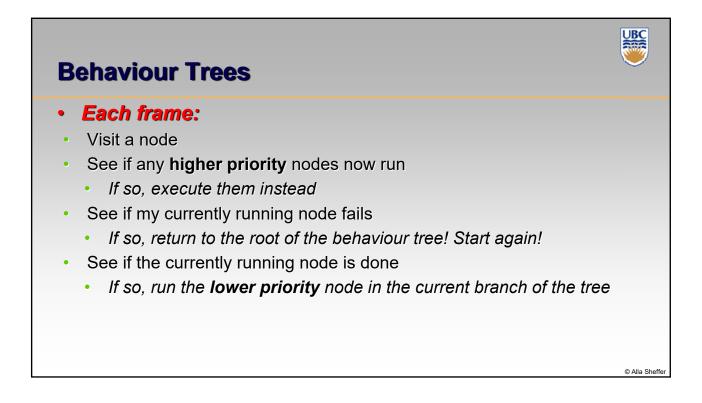
- Managing input
- Managing player state
- Simple AI for entities/objects/monsters etc.

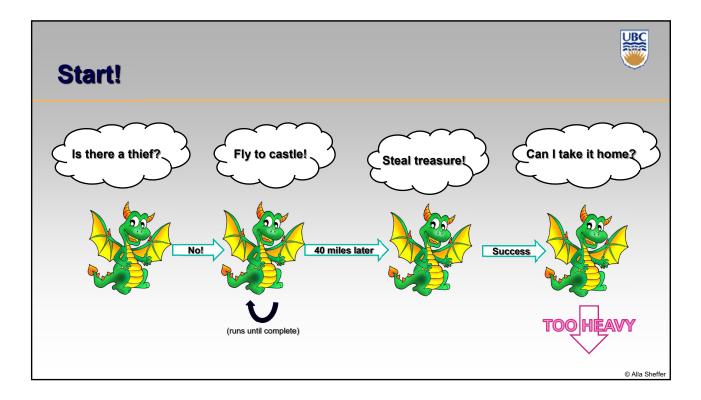


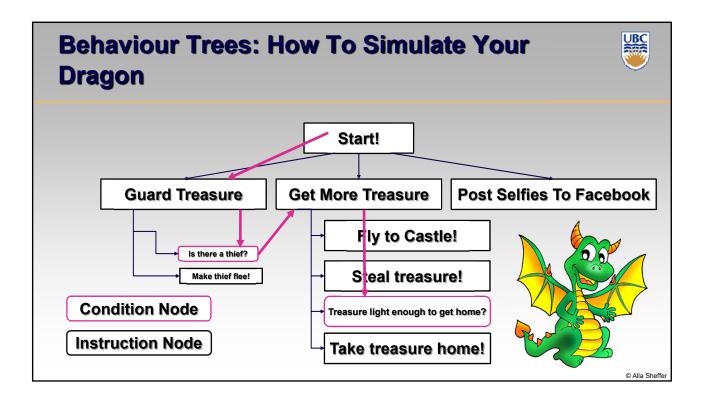












UBC

Behaviour Trees are Modular!

- Can re-use behaviours for different purposes
- Can implement a behaviour as a smaller FSM
- Can be data-driven (loaded from a file, not hard coded)
- Can easily be constructed by non-programmers
- Can be used for goal based programming