Development of Games

Lecture 19 On-line and Mobile Games

Kinds of on-line Games

- Oriented to single player
 - With client program
 - Practically same capabilities as in desktop games
 - May be not sufficient features in compare with desktop games
 - Without client program
 - Have to minimize traffic
 - Based on java
 - Based on Flash
- Oriented to multiple players
 - may be without Artificial Intelligence

VRML and Multi-User worlds

- VRML Virtual Reality Modeling Language
 - basic programming model and static behaviors
 - Java/Javascript and interaction with VRML
 - Dynamic behaviors using Java/Javascript
- Distributed virtual worlds
 - Multi-User worlds
 - peer to peer computing

Some terminology

- mobile game
 - application, at least part of which, executes on a mobile handset
- multi-player game
 - multiple humanoid sources of input to the game
 - humanoids frequently update shared
 object(s) to progress game state
 (interactive)

a mobile multi-player game is a distributed application

• no: high-score, lottery, bowling, golf

Features of mobile Games

- Small screen
- Small memory
- Have to minimize traffic



	game device	air network	carrier- specific	the other player
differences from single- player mobile games	some additional concerns regarding threads and communicati on limits	critical component of run-time environment. severe implications for distributed applications	may unwittingly limit type of games that can be delivered	severe implications for distributed applications