



# Computing and the Web

## Simulation

# Overview

- Reasons for Simulation
- Building a Model
- Monopoly Game Simulation
- SimCity Simulation
- Design of Computer Simulations
- Virtual Reality
- Software Applications

# Reasons for Simulation

- Forecasting or predicting the future
  - Weather forecast
  - Stock market
- Accessing the inaccessible or impossible
  - Reactor meltdown
  - Crush depth of a submarine
- Experimentation and testing
  - “What if” section of a PC income tax program
  - Fighter jet flight simulator
- Education and training
- Cost savings