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## Lab 14

### **Define Information System:**

Developing an Information System to decide if the plot of land is viable for construction

- Organization:
  - This is likely in the investment/ construction management of any organization.
- Usage: Commercial developers:
  - using it to establish viable land for commercial purposes
- Funding
  - Could be commercial construction companies( such as large corporations)
  - It could funded by the public as well
    - Allowing for public voices to be heard if it is a viable option
- Ethics
  - The system would have to analyze different zoning legislations and public zoning information
    - Which can be viewed for any historical geographical land
    - Or for protected wildlife habitats

### **Data:**

- What purpose:
  - Real estate, warehousing, business sector
  - Obtained from: User/customers of the system
- Appropriate acquisition:
  - Surrounding buildings, suburbs, businesses, skyscrapers
  - Obtained from: city plans and outlines
- Location:
  - Innercity, wildlands, historic importance, near body of water
- Previous Successes:
  - Past projects and designs

### **Fine-tuning and implementation:**

- We will have to update the data on a semi-regular basis to adjust for new zoning legislation or public scrutiny
- Adjust for price increases/decreases

### **Addressing Unforeseen Conflicts/Disasters:**

- Historic preservation sites
- Water table data
  - A high water table can lead to instability in the foundation
- Frequent seismic activity

- Community opposition
- Environmental protests

**Implementing feedback:**

- Allow for multiple selections to be seen and chosen from
- Allow for filters to be made and redone by the user