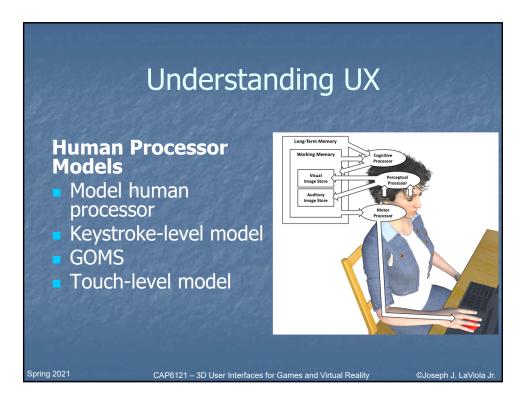


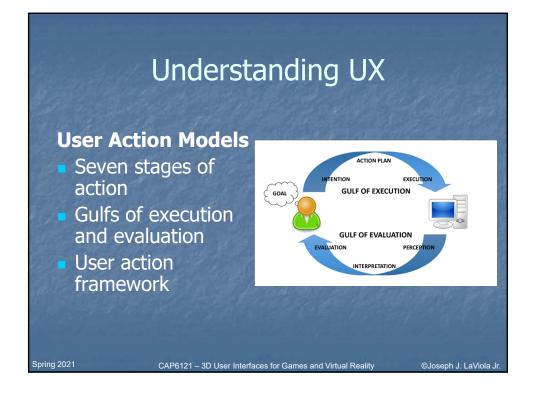
### Overview

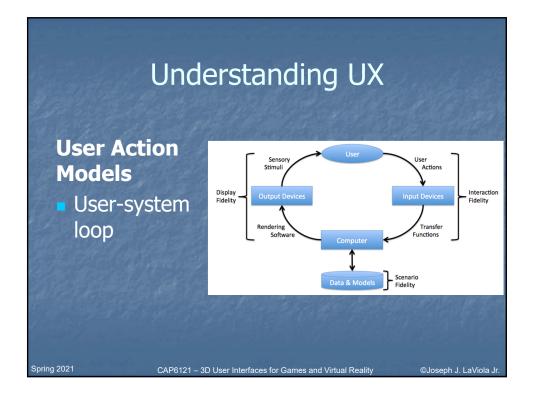
Understanding the user experience (models and theories of HCI)
Design principles and guidelines
Engineering the user experience (UX engineering process)

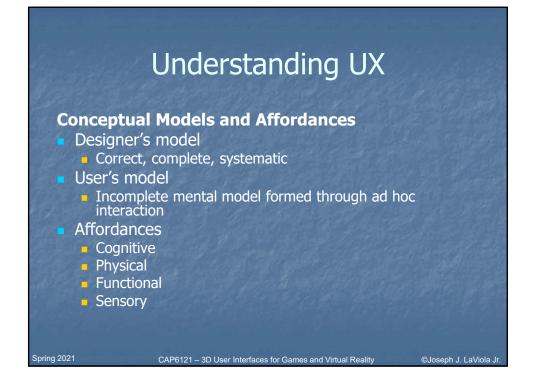
CAP6121 - 3D User Interfaces for Games and Virtual Reality

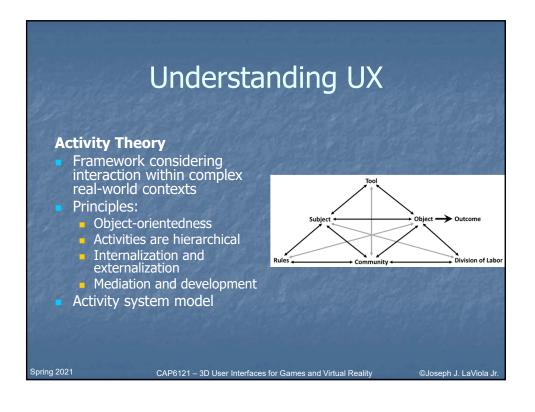
Spring 2021











## Understanding UX

### **Embodied Interaction**

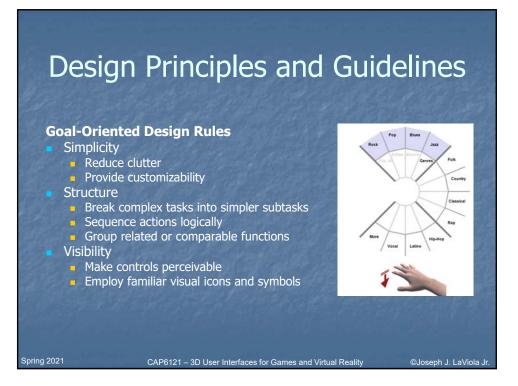
 Interaction with computer systems that occupy our physical and social world and that exploit this fact in how they interact with us

CAP6121 - 3D User Interfaces for Games and Virtual Reality

Tangible computing

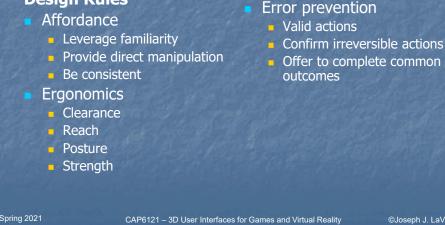
Spring 2021

Social computing, CSCW

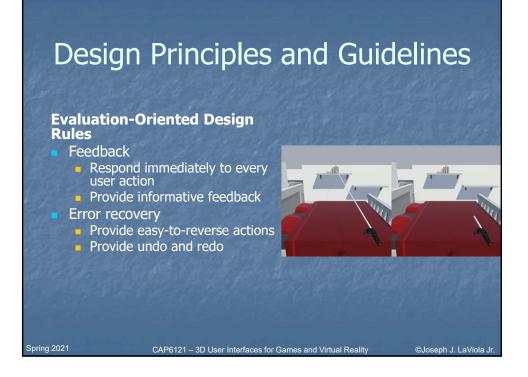


# **Design Principles and Guidelines**

#### Execution-Oriented Design Rules



<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item>



# **Design Principles and Guidelines**

#### **General Design Rules**

- Accessibility: make the UI usable by all intended users
- Vocabulary: use the terminology used by the intended users
  - *Recognition*: Provide the knowledge required to interact instead of requiring users to recall it
    - Place needed information in the context of use
    - Let users know what their options are
    - Use visual representations when possible

©Joseph J. LaViola Jr

7

