

# Introduction



**Idaho State  
University**

**Computer  
Science**

**Dr. Isaac Griffith**

CS 2263  
Department of Computer Science  
Idaho State University

**ROAR**

# Outcomes

After today's lecture you will:

- Have an understanding of the course syllabus
- Have an understanding of the course layout
- Have an understanding of the importance of OOAD
- Have an abridged understanding of the history of OO





# Course Introductions

---

CS 2263

**ROAR**

# Introductions

- Let's go around the class
  - Your name
  - Your major
  - Your thoughts on what this class is about.



# Syllabus Review

---

CS 2263

**ROAR**



# Introduction to OOAD

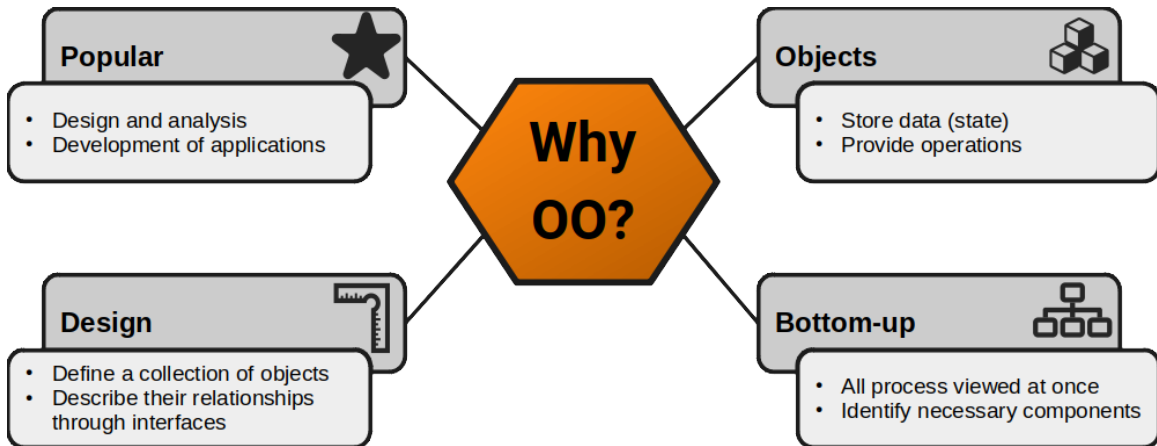
---

CS 2263

**ROAR**



# Why Object-Oriented



# Two Perspectives

## Procedural



Focuses on processes, algorithms, and data structures



Design uses a top-down decomposition into functions



Changes in data or function often lead to changing the program



No method for hiding data and thus less secure



Function favored over data

## Object-Oriented

Focuses on behavior and relationships



Design uses a holistic bottom-up composition into objects approach



Changes in data or function are easier to accommodate



Provides data hiding and is more secure



Data favored over function





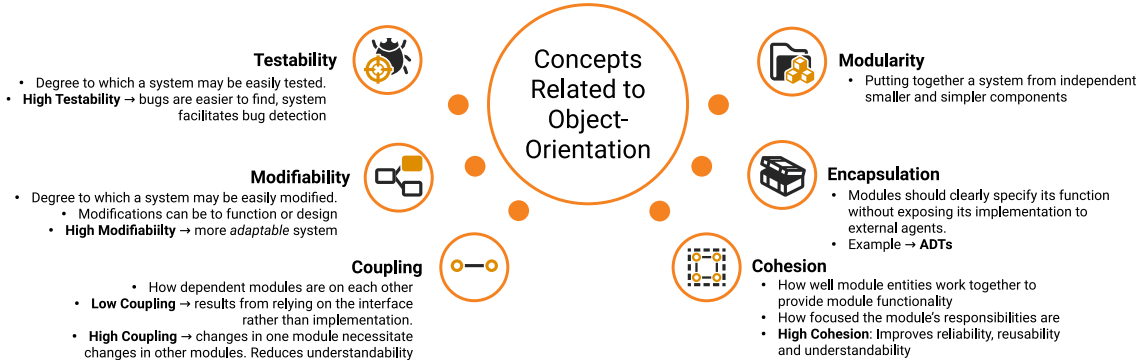


# Key Ideas of OO

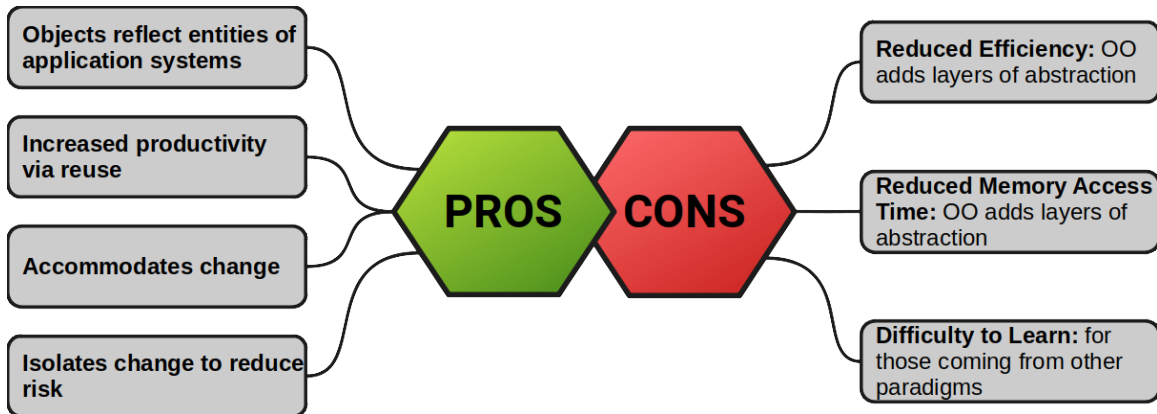




# Related Concepts



# Benefits and Drawbacks of OO





# 00 History

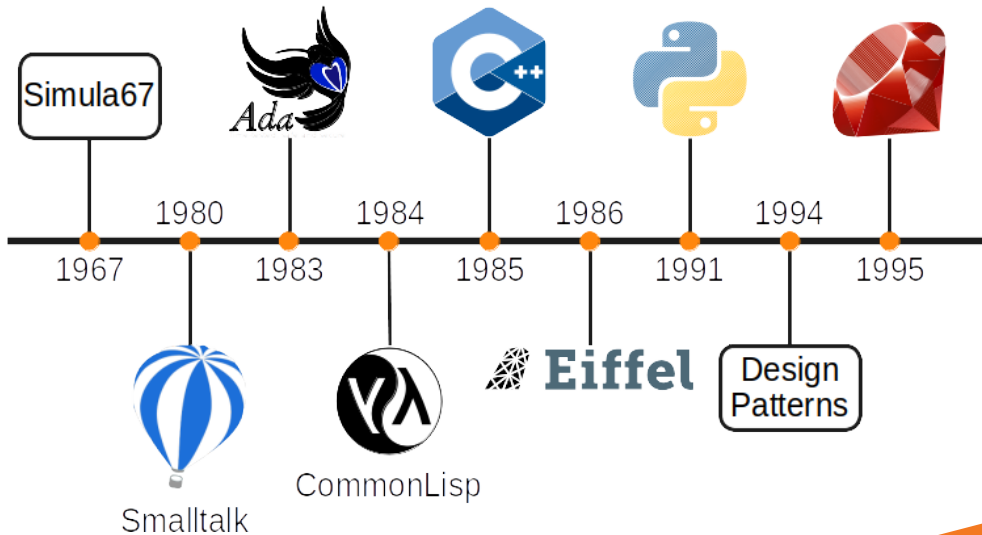
---

CS 2263

**ROAR**

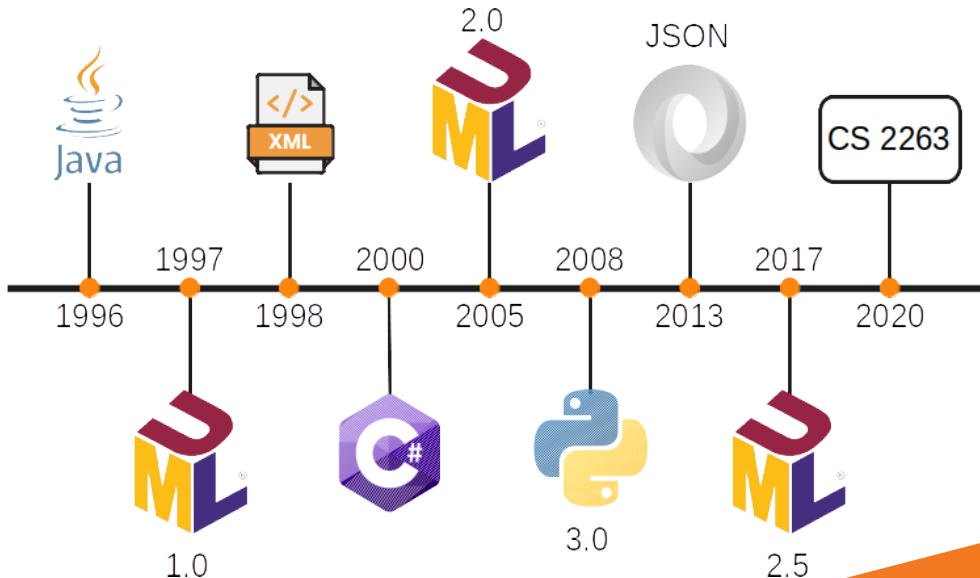


# History



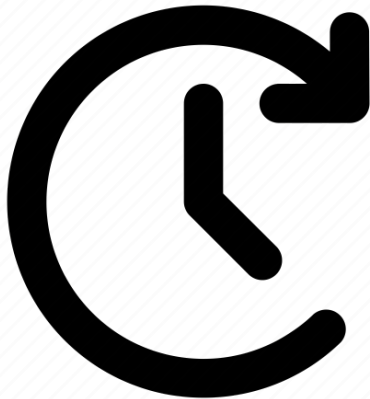


# History



# For Next Time

- Review Chapter 1
- Review Course Syllabus
- Review the Lecture
- Read the Appendix and Chapter 2.1 - 2.2
- Make sure you have the following software installed:
  - A JDK (Oracle's or OpenJDK)
  - A professional grade Java IDE (such as IntelliJ IDEA)
- Come to Class
- Start Homework 01





**Are there any questions?**