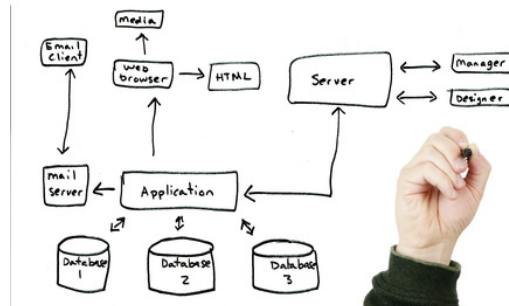
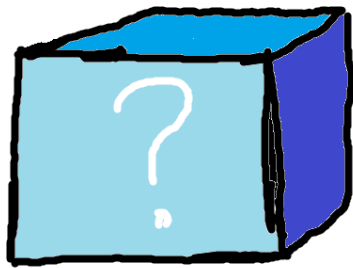


# Analysis and Design Fundamentals





# Overview



Requirements



Analysis



Design



Code



# Objectives

Upon completion of this module, you will be able to:

- Explain the importance of each of the three bases of analysis and design: Structure, Information, and Behavior.
- Utilize structural, informational, and behavioral models in analysis and design
- Apply analysis and design principles such as abstraction, modularity, and encapsulation.



# Outline

- Structure, Information and Behavior
- Levels of development
- Modeling structure
- Modeling information
- Modeling behavior
- Modularity
- Abstraction
- Encapsulation



## Next

- The three dimensions of software specification: **Structure**, **Information** and **Behavior**.

