



**FULL SAIL**  
UNIVERSITY

# Abstraction

*Classes*

Design Patterns for Web Programming  
Web Design & Development Bachelor of Science Degree



# Abstraction

*From General to Specific*

- Classes are templates for Objects
- Abstract classes are templates for other Classes



# Abstraction

*From General to Specific*

- An abstract class is a class that is not directly implemented.
- It has no instance
- It serves **ONLY** as a template for other classes



# Abstraction

*From General to Specific*

- We focus on the essential qualities of something.
- We create classes focusing on what objects may have in common.
- Makes class code reusable.



# Abstraction

*A class is an object in abstract*

Bank Account





# Abstraction

*A class is an object in abstract*

General

transfer()  
deposit()  
withdraw()  
self.balance  
self.interest

Bank Account

Savings  
Account

self.limit

Checking  
Account

self.crnt\_Chk

Money Market  
Account

self.m\_interest

Specific

