

# Defining Classes—More Examples

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Rose-Hulman Institute of Technology  
Computer Science and Software Engineering

Check out 17-DefiningClasses2 from SVN

# Plan for Today

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- More examples of defining classes
  - Three that you might want to use!
- Work time

# Review of Key Ideas

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- *Constructor*:
  - Defined with special name `__init__`
  - Called like `ClassName()`
- *Instance variables*:
  - Created when we assign to them
  - Live as long as the object lives
- **self** formal parameter:
  - Implicitly gets the value before the dot in the call
  - Allows an object to “talk about itself” in a method

# Defining Your Own Classes

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- Custom objects:
  - Hide complexity
  - Provide another way to break problems into pieces
  - Make it easier to pass information around



You call this progress?

# Buttons and Bars

# Team Project Work

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- Turn in session 17 milestone
- Continue working on session 18 milestone
- Schedule time to finish session 18 milestone before class tomorrow
- Next session
  - Python dictionaries
  - More project work