

Defining Classes—More Examples

Rose-Hulman Institute of Technology
Computer Science and Software Engineering

Check out `18-DefiningClasses2` from SVN

Plan for Today

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

+2 extra-credit in-class quiz points if you sign up and attend

-5 in-class quiz points if you sign up and don't attend without informing me before noon on Sunday

Sunday, 3:30-5:30, Olin 257

Software Sunday Sign-up

Review of Key Ideas

- *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

- 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

- Demo session 18 milestone
- Continue working on next milestone
- Schedule time to finish session 19 milestone before class Tuesday
- Next session
 - Work on project enhancements