





Multiple look and feel

- Motif menus, Mac menus
- GuiFactory guiFactory = new MotifFactory();
- ScrollBar sb = guiFactory.CreateScrollBar();
- Button bu = guiFactory.CreateButton();
- Abstract Factory Pattern





- User commands
- Command Pattern
 - Includes Undo functionality
- Spell check and hyphenation
 - Iterate over words of document
 - Iterator Pattern and Visitor pattern







 A good programmer will write good programs in any language; a bad programmer will write bad programs in any language











Language-specific

- Coding standards are almost always language-specific
- Many of the examples (today) are in C/C++
 GNU's coding standards, Writing Solid Code
- In some cases, a better language would alleviate the need for the standard
- But standards are always useful, regardless of language

Standards can cover...

- Layout guidelines
 - Parameters, variable declarations, etc.
 - Indentation (spaces, tabs, etc.)
 - Long expressions
- Naming schemes
- Commenting guidelines
- Restrictions on usage of the language



- Many projects have naming conventions, even if not as strict at Hungarian
 - Do your variables start with a capital letter?
 - Do you separate sub-words with capital letters or underscores or something else?
 - Do you capitalize class names but not instance names?
- Remember, the goal is to allow you to spend more time on the hard and interesting stuff