Jotto and Coding Practices
Topics

• Good coding practice
  • example Jotto

• Coding example
  • using the debugger in Eclipse
How many lines of code?
How many lines of code?

About 2 million - Wired Magazine
Microsoft Word

- Spell Checker
- Graphs
- User Interface
- Hyperlinks
- Saving Files
- Dictionary
<table>
<thead>
<tr>
<th>guesses</th>
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<td>doted</td>
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<table>
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<tr>
<th>message</th>
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<td>I will guess your word</td>
<td></td>
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</tbody>
</table>
Jotto

JottoModel → JottoViewer
Keep track of *state* within Jotto game
Keep track of *state* within Jotto game

```java
private ArrayList<String> myWordList;
private String myGuess;
private JottoViewer myView
```
Jotto

Keep track of state within Jotto game

Display menus, controls, and info to user

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Jotto

JottoModel

Keep track of state within Jotto game

JottoViewer

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Jotto

Keep track of state within Jotto game

private ArrayList<String> myWordList;
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Display menus, controls, and info to user

myView.methodName()
initialize

JottoViewer
private ArrayList<String> myWordList;
.
.

public void initialize(Scanner s) {
    myWordList.clear();
    while (s.hasNext()) {
        myWordList.add(s.next());
    }
    messageViews("choose new game menu");
}
newGame

initialize

JottoViewer
Questions?
Demo time

- APT
- Basket with Apples
Recap

• Why don’t we just put all our code in one file? or one class?

• How can we organize our code?

• When should we write a method?