

# Jotto and Coding Practices



# Topics

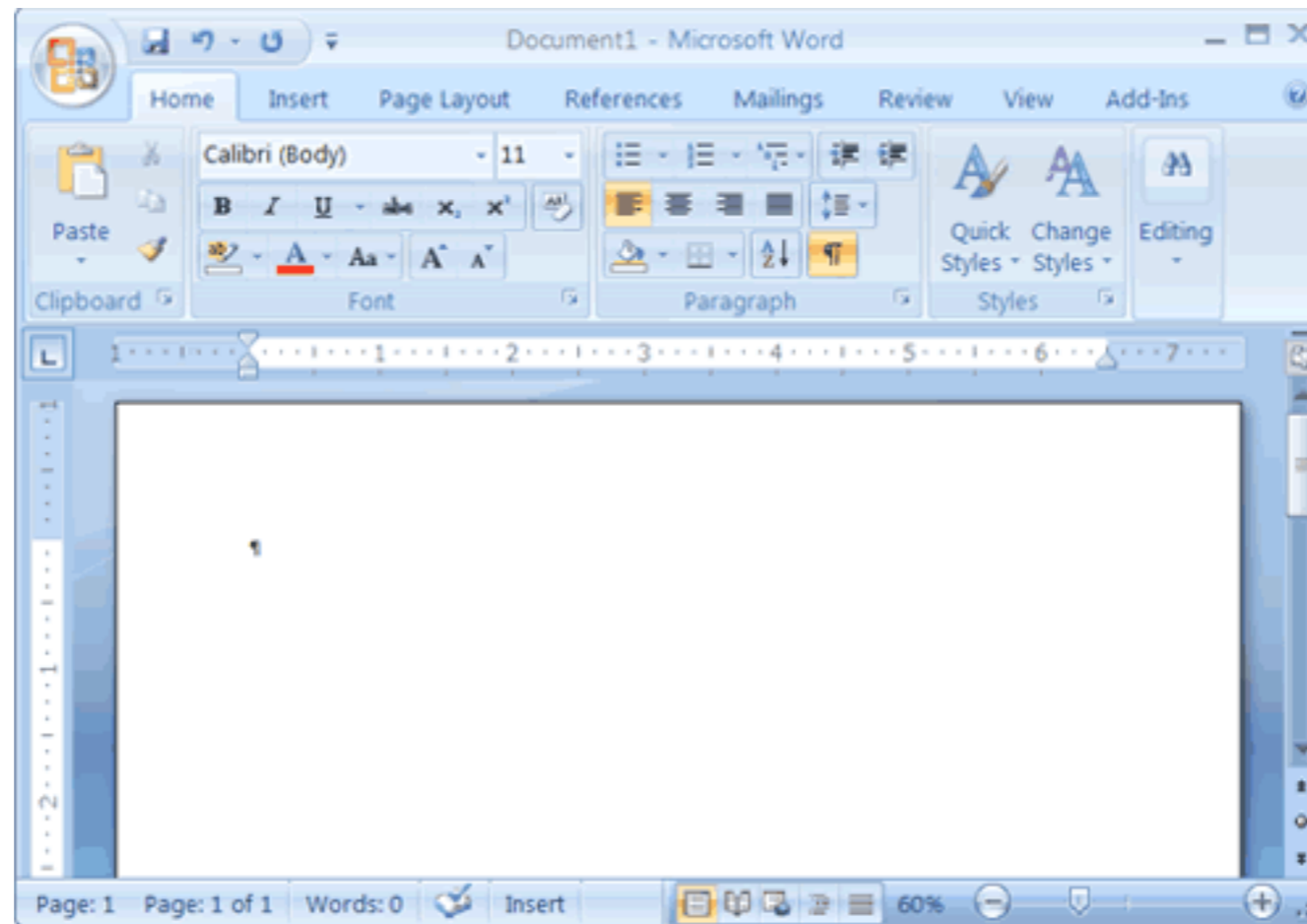


- Good coding practice
  - example Jotto
- Coding example
  - using the debugger in Eclipse

# Microsoft Word



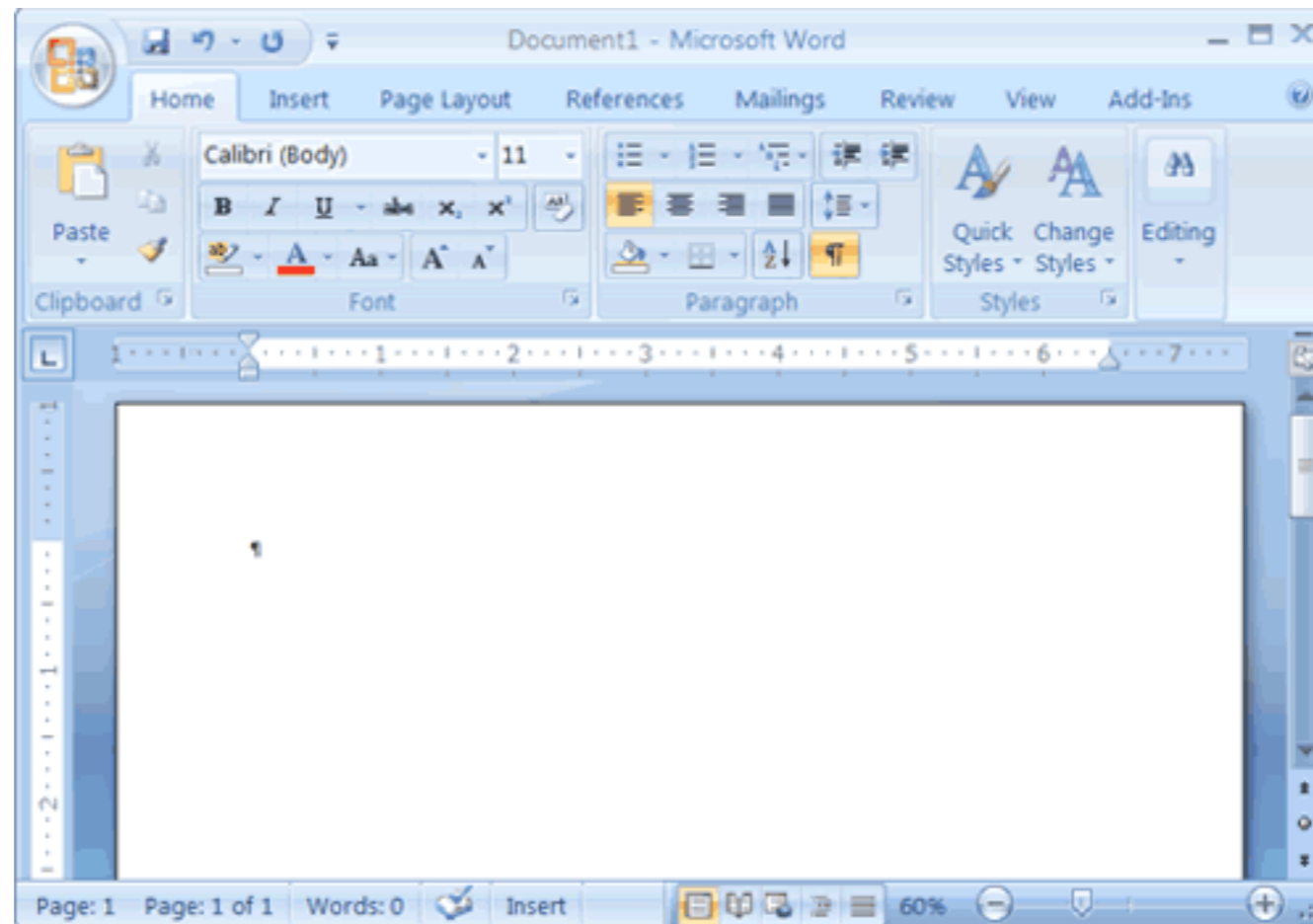
- How many lines of code?



# Microsoft Word



- How many lines of code?



About 2 million -  
Wired Magazine

# Microsoft Word



Spell Checker

Graphs

User Interface

Hyperlinks

Saving Files

Dictionary

# Jotto



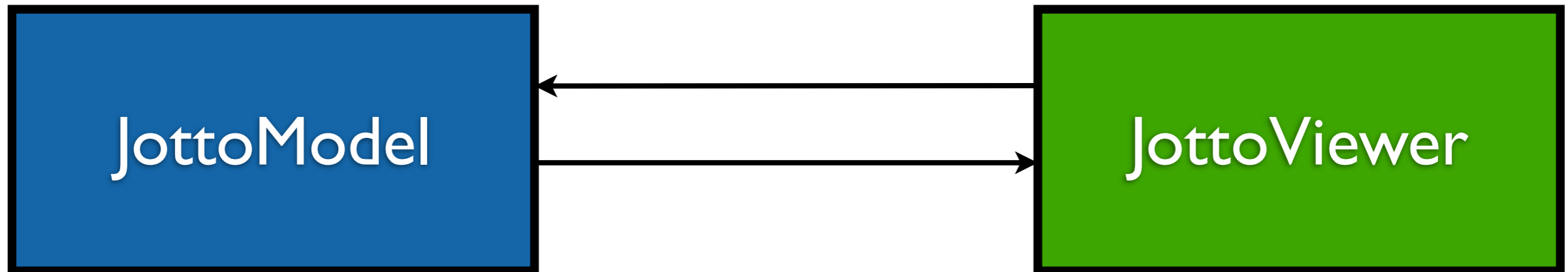
The screenshot shows a Java Swing window titled "Duke Jotto". It features a menu bar with "File", a table of guesses, a message field, and a modal dialog box.

guesses		
1	doted	1
2	comas	1
3	pruta	2
4	range	2
5	latin	2
6	panda	2
7	drawl	3
8	dairy	4
9	radii	6
10		
11		
12		
13		
14		
15		

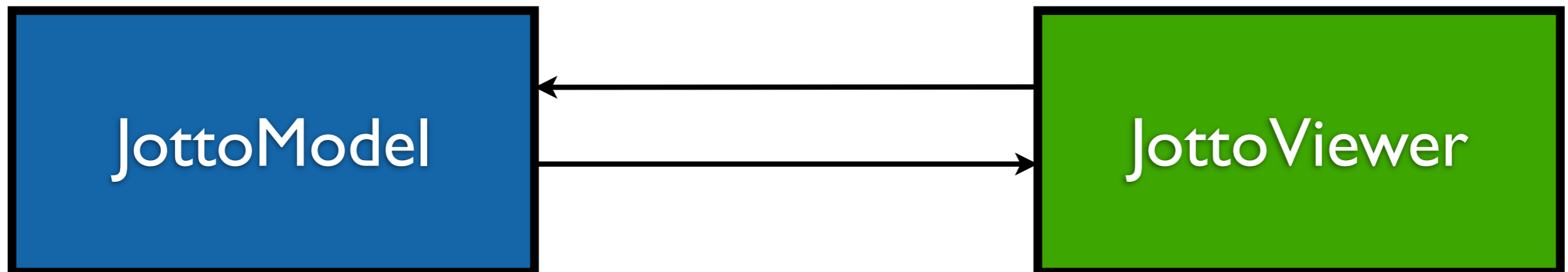
message  
I will guess your word

**Jotto Information**  
Great! I got your word  
OK

# Jotto



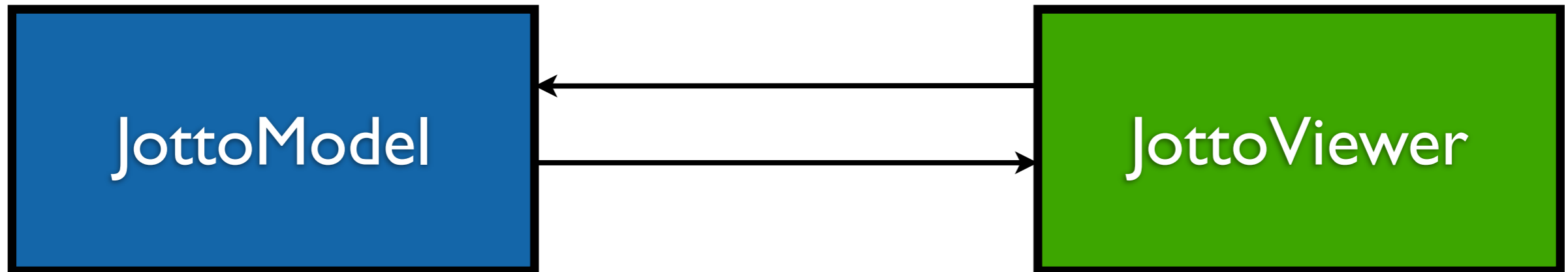
# Jotto



Keep track of *state*  
within Jotto game



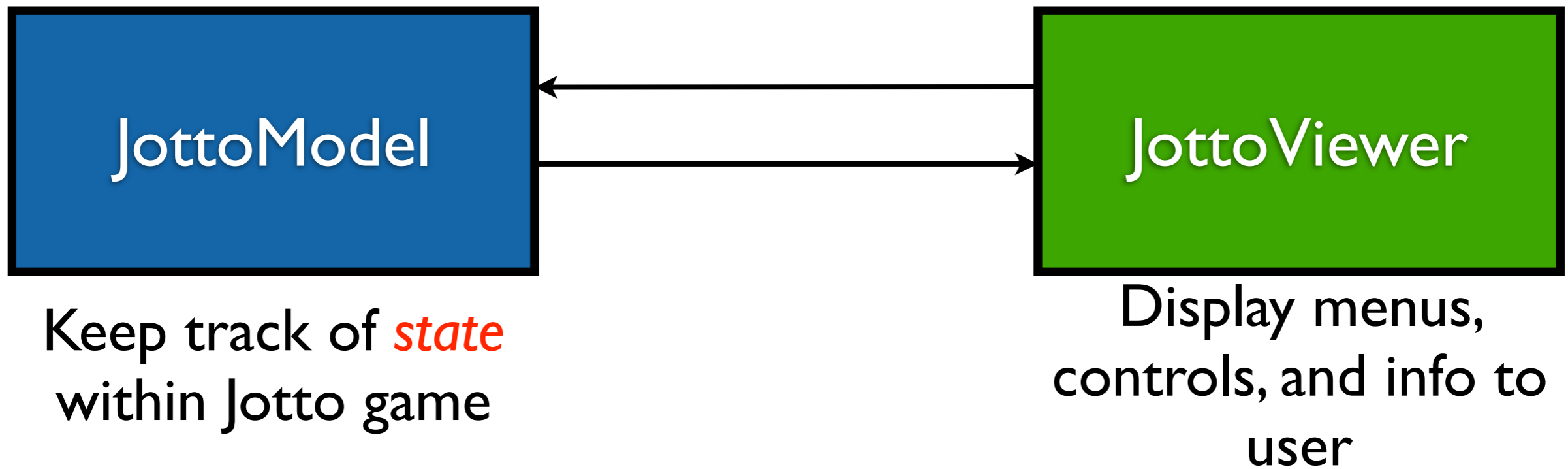
# Jotto



Keep track of *state*  
within Jotto game

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

# Jotto



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# Jotto



Keep track of *state* within Jotto game

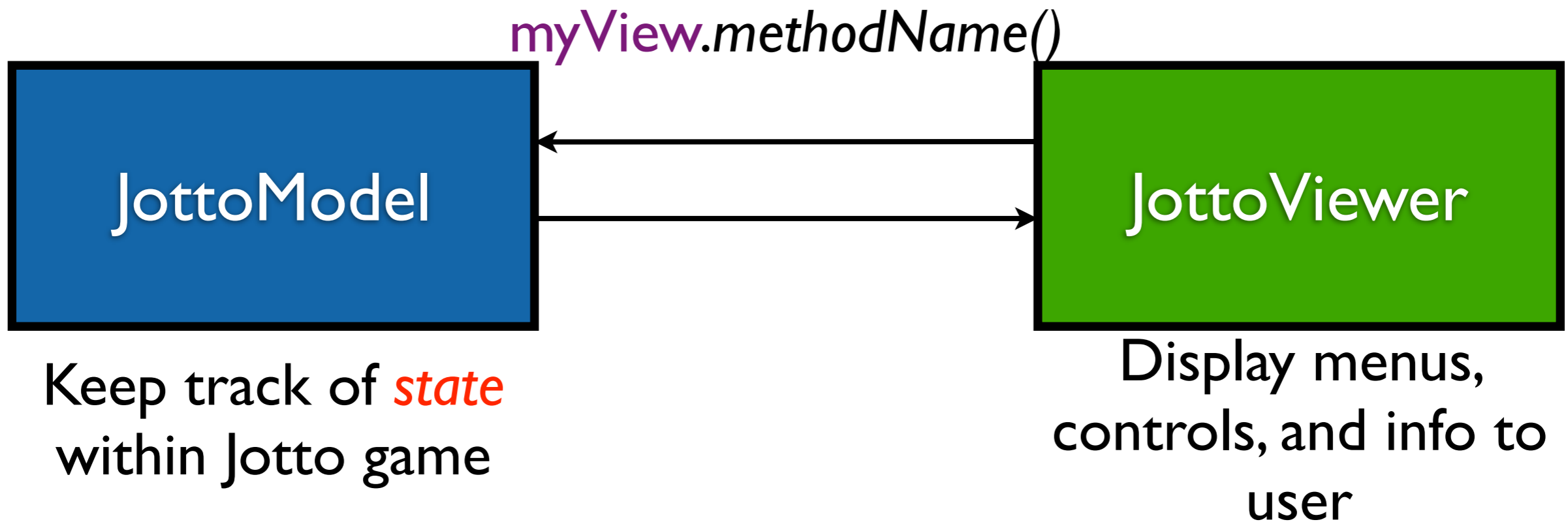
```
private ArrayList<String> myWordList;  
private String myGuess;  
private JottoViewer myView
```



Display menus, controls, and info to user



# Jotto



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





initialize

JottoViewer

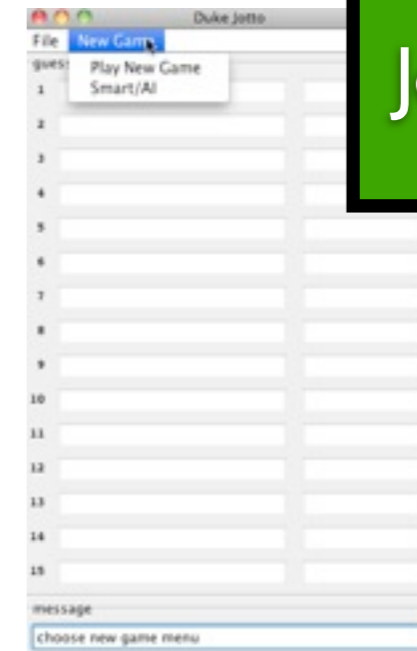




initialize

JottoViewer

```
private ArrayList<String> myWordList;  
.  
.  
.  
  
public void initialize(Scanner s) {  
    myWordList.clear();  
    while (s.hasNext()) {  
        myWordList.add(s.next());  
    }  
    messageViews("choose new game menu");  
}
```





initialize

JottoViewer





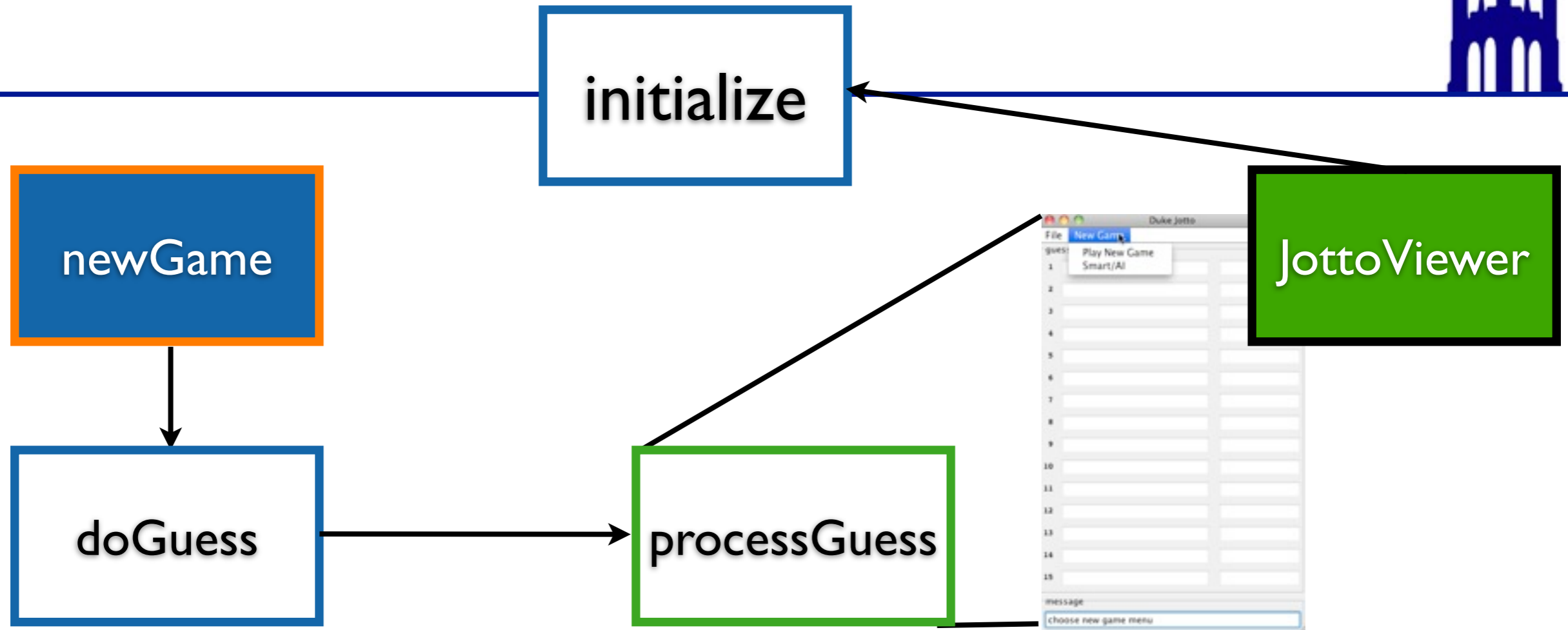
initialize

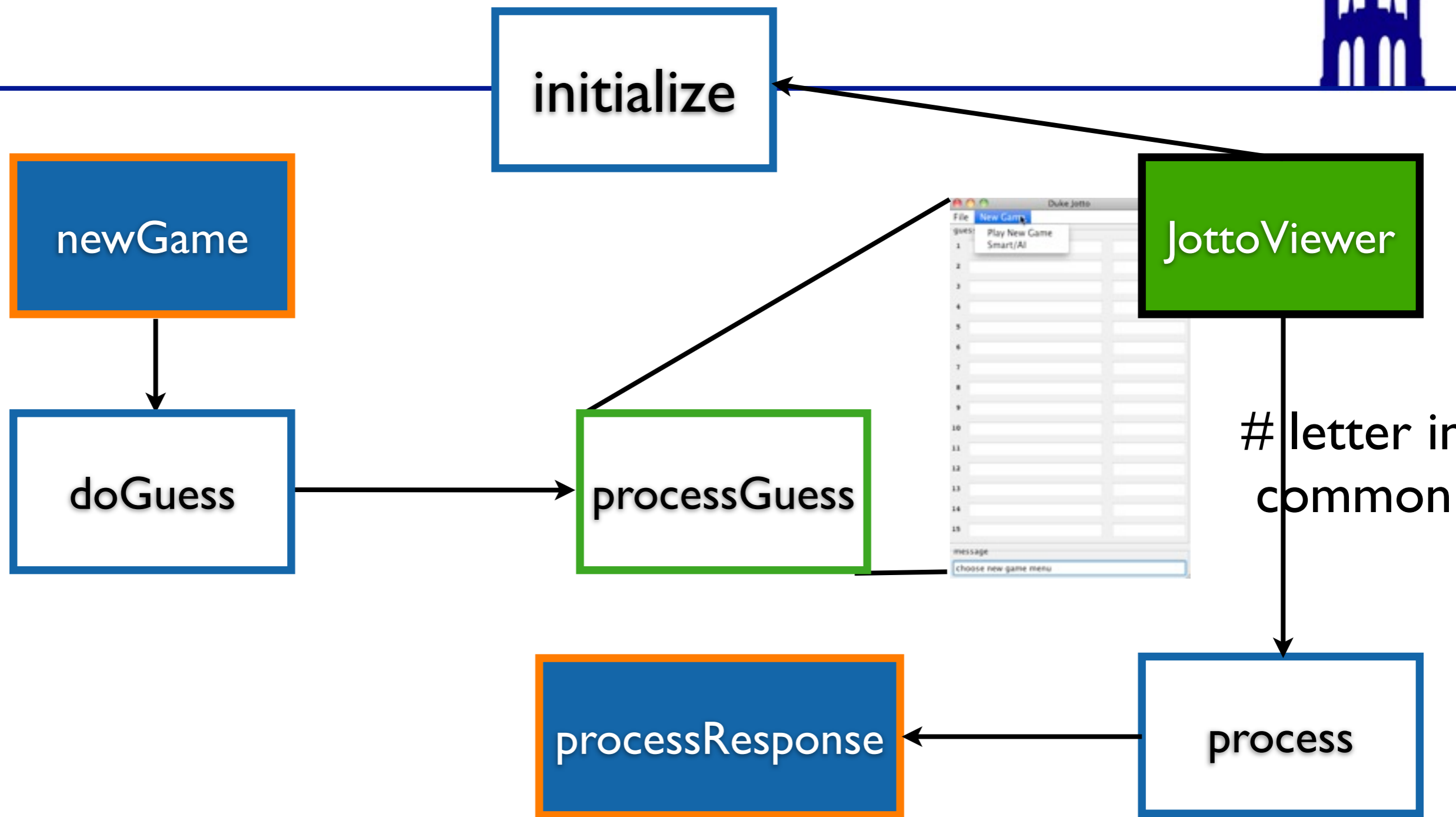
newGame

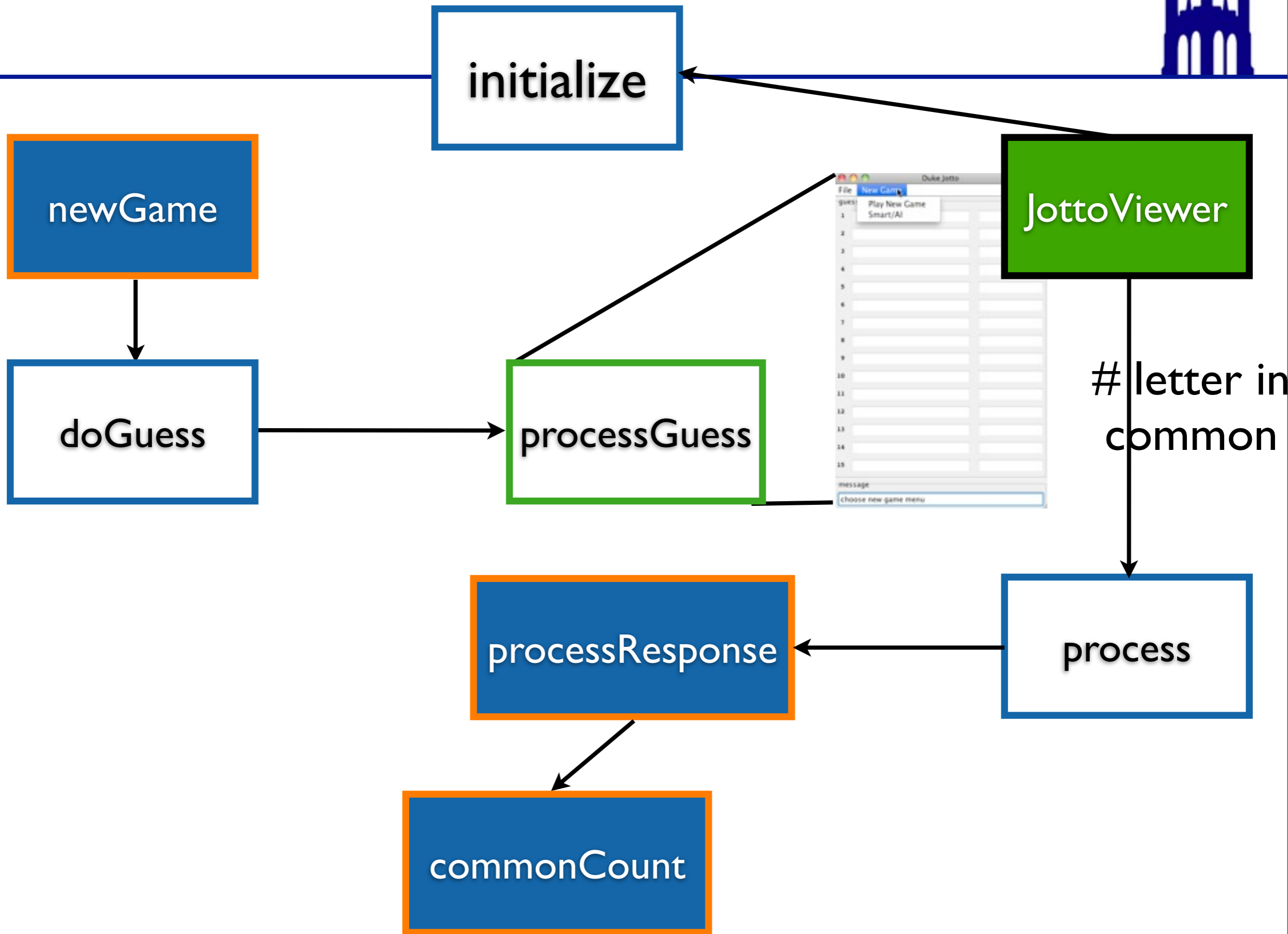
JottoViewer

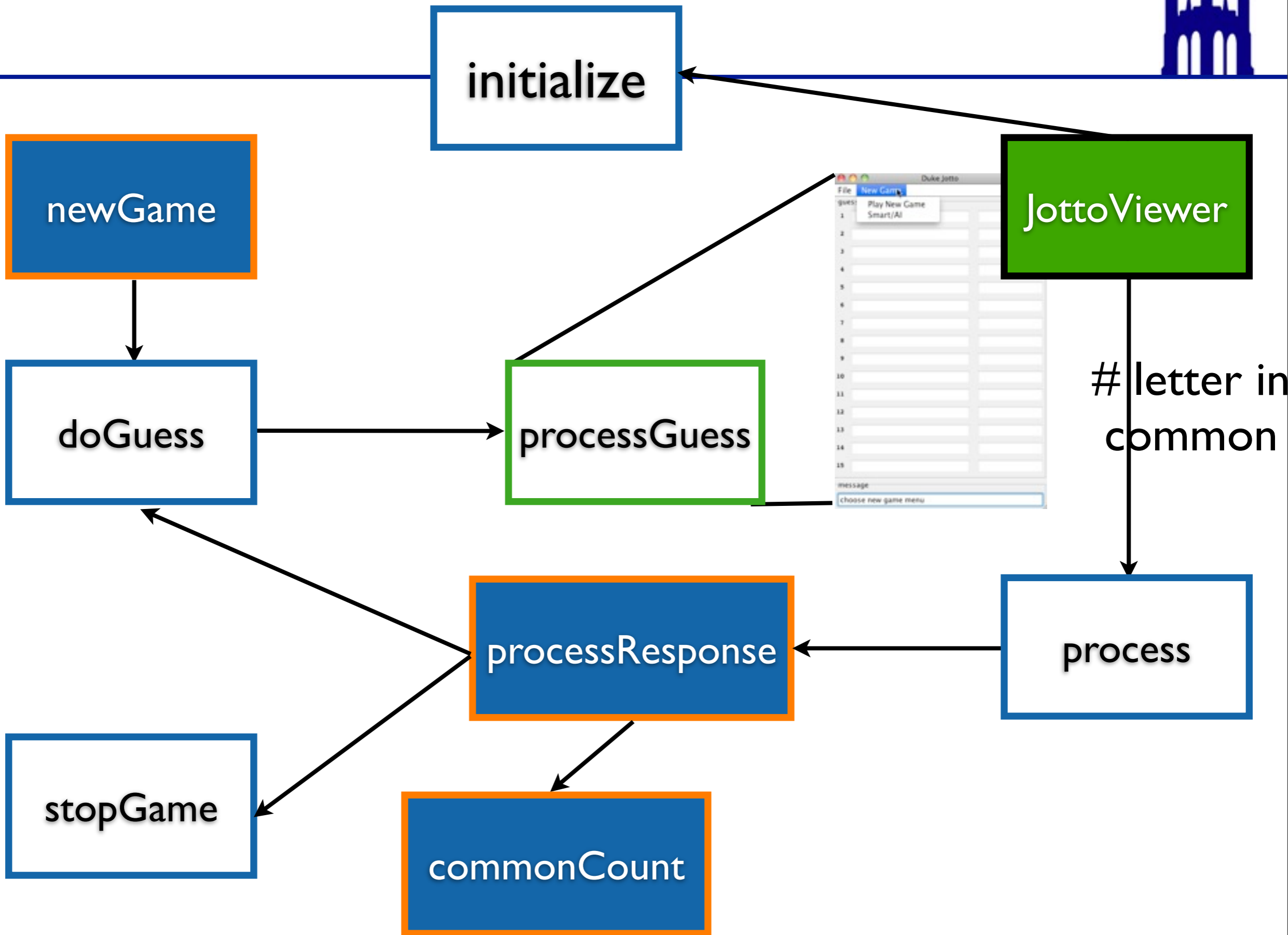












# Questions?

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# 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?