Week 04

COMP 102

Victoria University of Wellington

GoSoapBox

- Gosoapbox.com
  - Access code: comp102vuw
- Use Social Q&A to ask questions

FAQ

- I have forgotten to add my name in the assignment – Am I in trouble?

```
/* Code for COMP102 - 2024T1, Assignment 1
 * Name:
 * Username:
 * ID:
 */
```

- Why is the deadline at 10am and not midnight?
- Why do you close submission after the deadline

Concern

- A concern – video stats
  - Last week's viewing stats show that few people watched all the videos
  - Only 89 students saw "15 Booleans" last week

Common Assignment Question

- How do I find the lower/upper case letters?
  - You don't need to. You only need to find if it has at least ONE of each.

```java
public void checkUppercase() {
    String s = UI.askString("Give me a string");

    if(s.toLowerCase().equals(s)) {
        //If string in lowercase version is the same as the original
        //there were no uppercase letters in the original
        UI.println(s + " has no uppercase letters");
    } else {
        UI.println(s + " has at least one uppercase letters");
    }

}
```

Pacman / Blinky

Code review

Thursday

- NEW OFFICE - Karsten: AM421
  - Important for open office hours

- GoSoapBox
  - Access Code: comp102vuw

- Orange Ghost's name
  - Guzuta vs Clyde vs Tim vs Sue vs Pokey
    - Guzuta and Pokey names describe behavior (feigning ignorance)
  - Inky/Pinky/Blinky universally used names (non-Japan versions)

JavaDoc

- Ghost Javadoc instead of Source

GhostStory

- A new Ghost Class
  - How to reference in BlueJ?

- Move and use one Ghost

- Make an animation with more Ghosts

- Have two ghosts collided?
  - https://www.geeksforgeeks.org/find-two-rectangles-overlap/
  - Make a method that returns the result

- Use it to animate two Ghosts

- Make a random play

Mid-trimester test

- https://ecs.wgtn.ac.nz/Main/ExamArchiveCOMP102
  - You can use Test #1 from 2017-2023 for test preparation
    - 2017 COMP102 was organised differently, but you can use the questions
    - 2018-2023: Similar look and feel
      - Except, any questions involving ArrayLists
      - Instead, there will be a question involving while loops

  - Tests are different at University
  - Grades are different at University

Next week

- Much more looping
  - for loops
    - A short-cut way of writing loops
  - do/while loops
    - Make the condition check at the end of the loop
  - foreach loops
    - Using a List of values and loops to work on large data