

## Coding style

Comments, indentation, naming of variables

```
7 /**
8  * @author as2352, ru43
9  * @version 0.5
10 * The main menu for the program
11 * currently just a placeholder
12 */
13 public class Yuconz extends JFrame {
14     private static String[] roleBoxItems = {"User", "HR
15     private static JComboBox roleBox = new JComboBox(ro
16     private JLabel idLabel = new JLabel("YuconzID:");
17     private JLabel pwLabel = new JLabel("Password:");
18     private JLabel roleLabel = new JLabel("Role:");
19     private JButton loginBtn = new JButton("Login");
```

In our program we aim to adhere to the BlueJ Objects first with java style guide<sup>1</sup>. We also used javadoc style of commenting. We use comments at the header of a class, in this we follow the template of listing the authors of the class, followed by a short description of its purpose. Further down we use inline comments for short explanations on more specific parts of code to help the developer understand what's going on.

## Naming

We have followed the BlueJ java style guide firstly by using meaningful names. Class names start with a capital letter, they are singular nouns, method and variable names start with lowercase letters, constants written in uppercase letters e.g.

```
private static final int USER = 0;
private static final int HR_EMPLOYEE = 1;
private static final int DIRECTOR = 2;
private static final int REVIEWER = 3;
private static final int MANAGER = 4;
```

## Layout

We also believe we've somewhat followed the style guide in respect to layout. One level of indentation is four spaces. While we've not followed the guideline of braces for classes and methods alone on one line, we have followed braces opening at the end of all other lines. This does not make much of a difference and think it's more a personal preference, and could even look more neat in some senses by not following that specific guideline.

## Documentation

The style guide recommends to document classes by having a comment at the top which outlines; a general description of the class, authors names, a version number. In our class comments we include all of these elements. The guide also outlines the requirement for comments of methods and headers to be prefixed by "/\*" - we have also done this.

We have mostly adhered to the style guide as planned, which has allowed us to create a more readable and concise program.

<sup>1</sup><https://www.bluej.org/objects-first/styleguide.html>