

# Code Review

During the development process the team came across inconsistencies with the codes formatting. This document is a record of those inconsistencies.

Code reviewed	Issue(s)	Action	Ammended by
Authorisation class – authorisation check method	Variables in Authorisation class are not camel case	Amend variable names so that they comply with the camel case code etiquette.	Bram
Document class – .print() method	The methods print layout was inconsistent in comparison to the User class .getUserInfo() method	We changed the .print() method so that information is displayed the same format as .getUserInfo(), instead of on one line	Sam
Document class	Most comments missing from Document class	Applied comments to relevant methods	Max
Yuconz_project_app class	Comments missing for .createPersonalDetails()	Applied comments to relevant methods	Latifah
	Comments missing for .ammendPersonalDetails()		
	Comments missing for .readPersonalDetails()		

## Evidence

```
*/
public boolean authorisationCheck(User currentUser, String UserIn, String Action) {
    switch (Action) {
        case "readPersonalDetails" :
            if(currentUser.getDepartment().equals("Human Resources") || currentUser.getDepartment()
                return true;
            }
            break;
        case "createPersonalDetails" :
            if(currentUser.getDepartment().equals("Human Resources")){
                return true;
            }
            break;
        case "amendPersonalDetails" :
            if(currentUser.getDepartment().equals("Human Resources")){
                return true;
            }
    }
}
```

Figure 1: Authorisation class with capitalised variables

BEFORE

AFTER

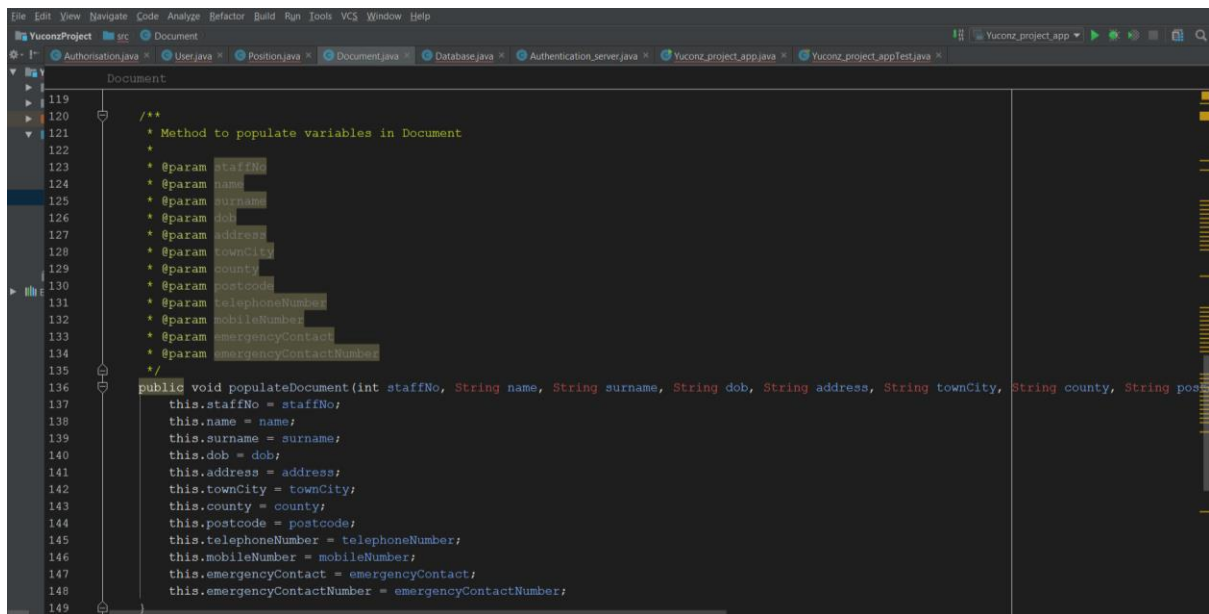
```
public void print(){
    - System.out.println(staffNo + " " + name + " " + surname + " " + dob + " "
    + address + " " + townCity + " " + county + " " + postcode + " " + telephoneNumber
    + " " + mobileNumber + " " + emergencyContact + " " + emergencyContactNumber);
}
```

```
+
+ System.out.println(
+     "Staff No: " + staffNo + "\n" +
+     "Name: " + name + "\n" +
+     "Surname: " + surname + "\n" +
+     "Date Of Birth: " + dob + "\n" +
+     "Address: " + address + "\n" +
+     "Town/City: " + townCity + "\n" +
+     "County: " + county + "\n" +
+     "Postcode: " + postcode + "\n" +
+     "telephone Number: " + telephoneNumber + "\n" +
+     "Mobile Number: " + mobileNumber + "\n" +
+     "Emergency Contact Name: " + emergencyContact + "\n" +
+     "Emergency Contact Number: " + emergencyContactNumber + "\n"
+ );
}
```

IN COMPARISON

```
public String getUserInfo()
{
    return ("User ID: " + getUserID() + "\n" +
    "Username: " + getUsername() + "\n" +
    "Name: " + getName() + "\n" +
    "Position: " + getPosition().getPositionName() + "\n" +
    "Supervisor: " + getSupervisorID() + "\n" +
    "Subordinates: " + getSubordinatesString() + "\n" +
    "Department: " + getDepartment()
    );
}
```

Figure 2: print formatting has changed to be identical to .getUserInfo()



The screenshot shows an IDE window titled 'YuconzProject' with several open files. The 'Document.java' file is active, displaying the following code:

```
119
120
121  /**
122   * Method to populate variables in Document
123   *
124   * @param staffNo
125   * @param name
126   * @param surname
127   * @param dob
128   * @param address
129   * @param townCity
130   * @param county
131   * @param postcode
132   * @param telephoneNumber
133   * @param mobileNumber
134   * @param emergencyContact
135   * @param emergencyContactNumber
136   */
137  public void populateDocument(int staffNo, String name, String surname, String dob, String address, String townCity, String county, String postcode, String telephoneNumber, String mobileNumber, String emergencyContact, String emergencyContactNumber) {
138      this.staffNo = staffNo;
139      this.name = name;
140      this.surname = surname;
141      this.dob = dob;
142      this.address = address;
143      this.townCity = townCity;
144      this.county = county;
145      this.postcode = postcode;
146      this.telephoneNumber = telephoneNumber;
147      this.mobileNumber = mobileNumber;
148      this.emergencyContact = emergencyContact;
149      this.emergencyContactNumber = emergencyContactNumber;
150  }
```

Figure 3: Adding comments to method `.populateDocument()` in Document class

```

/**
 * prints personal details of UserIn from a Document if authorised
 * @param userIn
 * @return
 */
public boolean readPersonalDetails(String userIn){
    //run authorisation method with readPersonalDetails as an action
    if(authorisation.authorisationCheck(currentUser, userIn, action: "readPersonalDetails")){
        if(database.checkExists(userIn)) {
            Document doc = database.fetchPersonalDetails(userIn);
            doc.print();
            return true;
        } else {
            return false;
        }
    } else {
        return false;
    }
}

```

```

/**
 * adds a new user record to database is authorised
 * @param userIn
 * @return
 */
public boolean createPersonalDetails(String userIn){
    //run authorisation method with createPersonalDetails as an action
    if(authorisation.authorisationCheck(currentUser, userIn, action: "createPersonalDetails")){
        if(!database.checkExists(userIn) && database.checkExistsEmployee(userIn)) {
            return true;
        } else {
            return false;
        }
    } else {
        return false;
    }
}

```

```

/**
 * Adjusts an existing user record if authorised
 * @param userIn
 * @return
 */
public boolean amendPersonalDetails(String userIn){
    //run authorisation method with amendPersonalDetails as an action
    if(authorisation.authorisationCheck(currentUser, userIn, action: "amendPersonalDetails")){
        if(database.checkExists(userIn)){
            Document doc = database.fetchPersonalDetails(userIn);
            doc.print();
            return true;
        } else {
            return false;
        }
    } else {
        return false;
    }
}

```

Figure 4: Added comments to methods in Yuconz\_project\_app

## References

<https://git.cs.kent.ac.uk/co510/26c/commits/master>

<https://git.cs.kent.ac.uk/co510/26c/commit/f3d8fb17e52e57b3b30b711e795bace7d6df6a59>

<https://git.cs.kent.ac.uk/co510/26c/issues/1>