

## Task 2

### Code Review

**Line 11:** The class name `verifyhelper` → should be more descriptive

**Line 13 - 14 :** There should be more descriptive name

**Line 50:**

- The constructor should be placed after the properties
- The configuration (`getbeans`) should be placed in a separate configuration class

**Line 46:** It is preferred to return an exception instead of custom String

**Line 18:** (validation) It is better to check for the validity of the parameters at the beginning of the function, so it should be something like this:

```
if (str == null || str.length() <= 0) {  
    throw new IllegalArgumentException();  
}  
  
Or Assert.notNull(str, ErrorConstants.MSG_ERROR_NOT_FOUND);
```

If we go with the first option, we can have the code to be cleaner and separate the check

```
str == null || str.length() <= 0
```

in a different function to make it more cleaner what we are checking here.

**Line 19:** NEW\_CLIENT\_MODEL ,YES should be replaced by constants declared before or enum/constant class to be reused again

**Line 20 – 32:** This part should be separated into different function(1or 2 ) with name for example performActionForNewClientModel(string str)

**Line 35 – 42:** This part should be separated into different function with name for example performActionForExistingClientModel(string str)

**Line 23-30/35-41:** Both should be replaced to a function or 2 to form the xml