Cairo University Faculty of Computers and Information



**CS352 – Software Engineering II**

**Phase 3-c: Refactoring Report**

**2015**

**Project Team - [Write here your TA name]**

|  |  |  |  |
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# Reviewer Comments

**The other team did not review our code in the github.**

# Code bad smells

1. **In this section, you should extract each bad smell from all classes in your implementation, and fix this bad smell**
2. **So In the following table, you should describe each bad smell name, place (n which class it exists and which part f the class), description and your action (refactoring) to solve it.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** | **Bad smell** | **Place** | **Description** | **Refactoring** |
| **1** | **Duplicated code** | **MessageEntity.java** | **There are some duplicated lines of code in each function, these lines are responsible for getting the current date** | **Create a static method in MessageEntity.java, and call this function to get the current date** |
| **2** | **Duplicated code** | **notificationsEntity.java** | **There are some duplicated lines of code in each function, these lines are responsible for getting the current date** | **Create a static method in MessageEntity.java, and call this function to get the current date** |
| **3** | **Duplicated code** | **PagePost.java** | **There are some duplicated lines of code in each function, these lines are responsible for getting the current date** | **Create a static method in MessageEntity.java, and call this function to get the current date** |
| **4** | **Duplicated code** | **UserPost.java** | **There are some duplicated lines of code in each function, these lines are responsible for getting the current date** | **Create a static method in MessageEntity.java, and call this function to get the current date** |
| **5** | **Long method** | **PageEntity.java** | **Long code to be put in one method** | **Divided method into 2 submethods and called these methods** |
| **6** | **Long constructor parameters** | **PagePost.java** | **Constructor takes long parameters** | **We used builder design pattern.**  **Changes are in functions: loadposts, loadpostsforuser.**  **Changes are in functions class(PageTimelinecontroller): response loadpage time,responseLoadPageTimeLineForUser** |
| **7;** | **Long constructor parameter** | **UserPost.java** | **Constructor takes long parameters** | **We used builder design pattern.** |
| **8** | **Long constructor parameter** | **PageEntity.java** | **Constructor takes long parameters** | **We used builder design pattern.**  **Changes are in functions:**  **listpageforowner,searchForPagebyTypeAndCategory,likePageIncreaseLikeCounter,getlikedpages,parsePageInfo** |
| **9** | **Uncessary comments** | **Many classes** | **Uncessary comments** | **We removed it like:**  **remove unnecessary comments like: todo auto generated method stub** |

# Ownership report

**State the role of each one in your team, what are issues and bad smells each one handle in your team**

|  |  |  |
| --- | --- | --- |
| **ID** | **Name** | **Testing Functions numbers** |
|  | **1st name is team leader** | **Issues: 1,4,7**  **Bad smells: 2,3** |
|  |  |  |
|  |  |  |
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