|  |  |
| --- | --- |
|  | *Code Inspection Report*  *‘Bom Dia Academia’ Software Development Project*  BSc/MSc in [LEI | LIGE | METI]  Academic Year 2018/2019 - 1º Semester  Software Engineering I  Group Id 112  Student number 64720, Student name João Duque, Turma METIA1  Student number 65933, Student name Francisco Palma, Turma METIA1  Student number 69325, Student name Diogo Aparício, Turma METIA1  Student number 88330, Student name Kaiser Carimo, Turma METIA1  ISCTE-IUL, Instituto Universitário de Lisboa  1649-026 Lisbon  Portugal  December 2018 |

**Table of Contents**

[Introduction 3](#_Toc498465002)

[Code inspection – Name of the component being inspected 3](#_Toc498465003)

[Code inspection checklist 3](#_Toc498465004)

[Found defects 3](#_Toc498465005)

[Corrective measures 3](#_Toc498465006)

[Conclusions of the inspection process 3](#_Toc498465007)

# Introduction

This code was developed with the intention of connecting 4 different platforms (Email, E-Learning, Facebook and Twitter) under one single application. For this purpose, we used pre-built API’s (Twitter4j, RestFB and JavaXMail) to retrieve the data regarding our accounts on those platforms, from posts published to emails received. After gathering the data, we then proceeded to store it in a data base using XML, turning our app from a more static state to an interactive one which allows the user to filter the data based on date, source, from, subject and content. Another prominent feature from our app is the fact that the user can create its own posts and/or emails.

# Code inspection – Name of the component being inspected

The most troublesome part was the integration of all the different components into one single class, the class APP\_WINDOW

|  |  |
| --- | --- |
| *Meeting date:*  *Meeting duration:*  *Moderator:*  *Producer:*  *Inspector:*  *Recorder:* | *11/12/2018*  *15 minutes*  *Vitor Fernandes*  *Francisco Palma, João Duque, Diogo Aparício, Kaiser Carimo*  *Diogo Aparício*  *------------------* |
| *Component name (Package/Class/Method):* | *BDA.Email/BDA.Twitter/BDA.Facebook* |
| *Component was compiled:* | *Yes* |
| *Component was executed:* | *Yes* |
| *Component was tested without errors:* | *Yes* |
| *Testing coverage achieved:* | *84%* |

# Code inspection checklist

The checklist for Java code inspection used in this project is available at <http://www.cs.toronto.edu/~sme/CSC444F/handouts/java_checklist.pdf> and in blackboard ES1 page.

# Found defects

Identify and describe found defects, opinions and suggestions.

|  |  |  |  |
| --- | --- | --- | --- |
| **Found defect Id** | **Package, Class, Method, Line** | **Defect category** | **Description** |
| 1 | BDA.Email, Email, receivingEmail() |  | An error occurs when trying to fetch online messages without any internet connection |
| 2 | BDA.Facebook, Connect, printPosts() |  | An error occurs when trying to fetch online messages without any internet connection |
| 3 | BDA.Twitter, TwitterApp, receiveTwitter |  | An error occurs when trying to fetch online messages without any internet connection |
| ... | ... | ... | ... |

# Corrective measures

To correct this error, one could possibly launch exceptions or write a if condition specifying the behavior that is to be expected from those defective methods

# Conclusions of the inspection process

Despite the fact that we only had a few errors when trying to connect to the social media without any internet connection the overall performance of the application is acceptable.