***Project Iterations***

*Original:*

The original iteration was just to enable the student to post a message on a school wall/notice board. A student belongs to a classGrouping and a classGrouping belongs to a school. Once that student posts a message on the wall, only people in the same school can view the post.

*Iteration 1:*

In iteration one we decided to implement for a student to ‘like’ a post and the more likes one post has the more popular it is. To identify its popularity, the more likes a post has, it moves further up on the list. So, the higher the post is on the list the more popular it is.

public class Message {

private String textMessage;

private int likeCounter;

private Student author;

public Message(String textMessage, Student student) {

this.textMessage = textMessage;

this.author=student;

this.likeCounter=0;

}

public void like() {

this.likeCounter++;

}

public int getLikeCounter() {

return likeCounter;

}

//Message Class

public void like(Message message) {

message.like();

}

*Iteration 2:*

In Iteration two, we decided to implement private messaging between students, but students can only send private messages between each other if they are friends. If one student sends a message to another student, the receiver has an option to view it and reply.

public class Friendship {

private Student studentA;

private Student studentB;

private NoticeBoard privateMessages;

public Friendship(Student studentA, Student studentB) {

this.studentA = studentA;

this.studentB = studentB;

this.privateMessages = new NoticeBoard();

}

public void addMessage(Message message){

this.privateMessages.addMessage(message);

}

public NoticeBoard getPrivateMessages() {

return privateMessages;

}

public void setPrivateMessages(NoticeBoard privateMessages) {

this.privateMessages = privateMessages;

}

*Iteration 3:*

In iteration 3, we decided to enable the student to print their post in a colour of their choice from the ten colours provided by the system. So a student can choose a colour in which their post will appear in and how everybody will view it as.

public class PlaygroundMain {

public static void main(String[] args)

{

String ANSI\_RESET = "\u001B[0m";

String ANSI\_BLACK = "\u001B[30m";

String ANSI\_RED = "\u001B[31m";

String ANSI\_GREEN = "\u001B[32m";

String ANSI\_YELLOW = "\u001B[33m";

String ANSI\_BLUE = "\u001B[34m";

String ANSI\_PURPLE = "\u001B[35m";

String ANSI\_CYAN = "\u001B[36m";

String ANSI\_WHITE = "\u001B[37m";

//Message Class

public void showMessage(String color){

System.out.println( color + this.author.getForename()+" : "+ this.getTextMessage()+", likes : "+this.getLikeCounter() +"\u001B[0m");

}

//Main Class

student1.getClassGrouping().getSchool().printAllMessages(ANSI\_RED);

student1.getClassGrouping().getSchool().printAllMessages(ANSI\_BLUE);