The Seller Protection Plan

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NON-Disclosure Agreement

I (NAME_____), solemnly swear that this is the first time I go over this document and will never disclose any information presented to me on this packet to anyone.

I do not intend to recreate this idea nor make any money from it. If so, I will face the Wrath of ANGIE and her Scary Lawyers.

So help me GOD.

SIGN HERE: _____

The Seller Protection Plan

Overview: Small scale sellers like individual mainstream influencers who like to use such platforms like Mercari , Shopify, Tik Tok, Instagram to sell their products online are at risk of exposing their personal information such as their home address. Sure, they can sign up for a PO box to secure their information, but who wants to pay $100 each month when you are just starting your side hustle. So that is why the Seller Protection Plan was created to encrypt the real address of the seller and give a fake address to their fans.

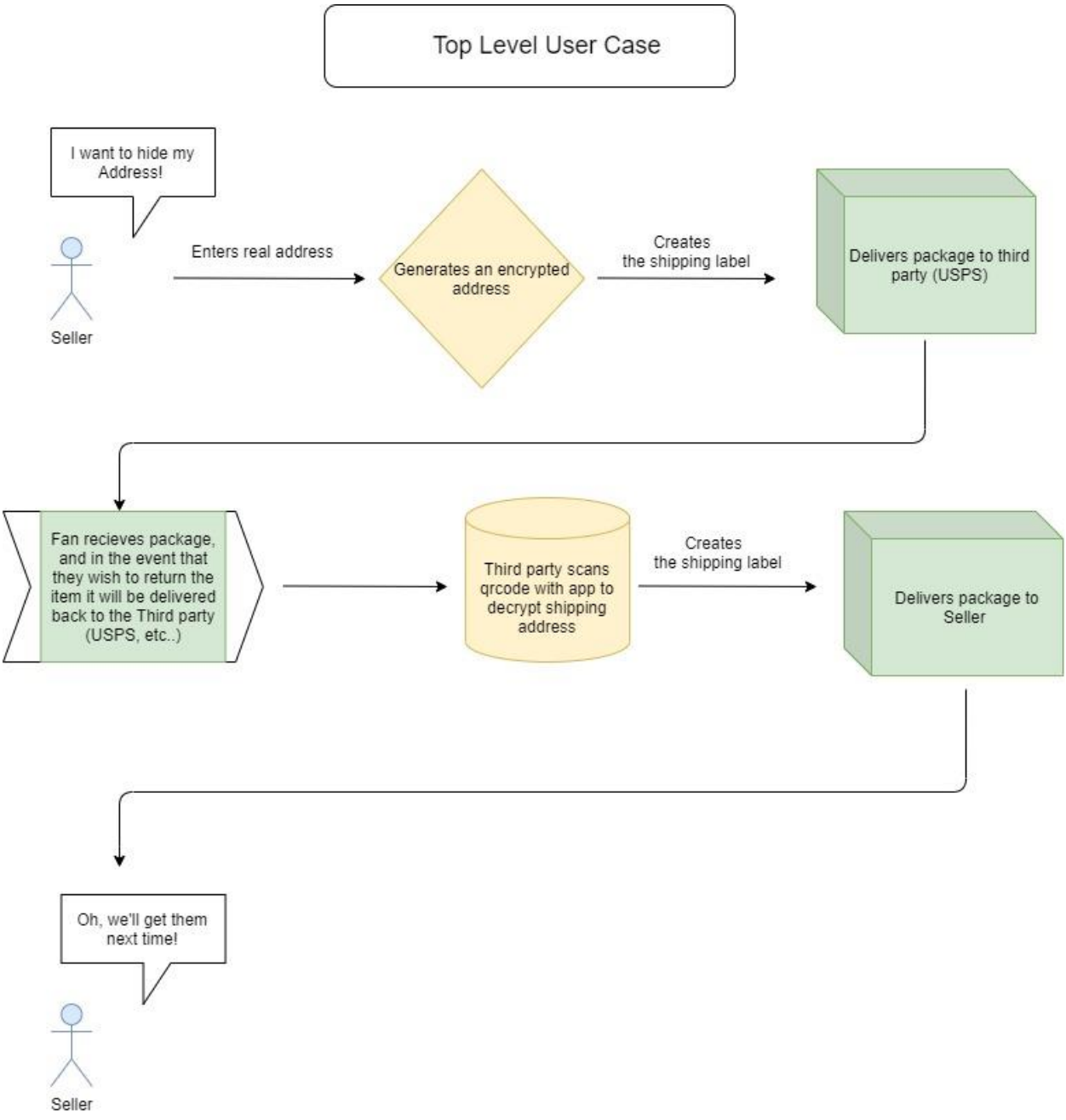
GOALS: Create a fake address to fans by encrypting the real address into a QR-Code or anything similar so only authorized third parties like the mail services (USPS, UPS, FEDEX) can detect and decrypt for shipment purposes. This will allow small scale sellers who are on the verge of becoming well known to protect their identity while saving them money by paying a small fraction of what a PO box would have cost.

Proposed Solution:

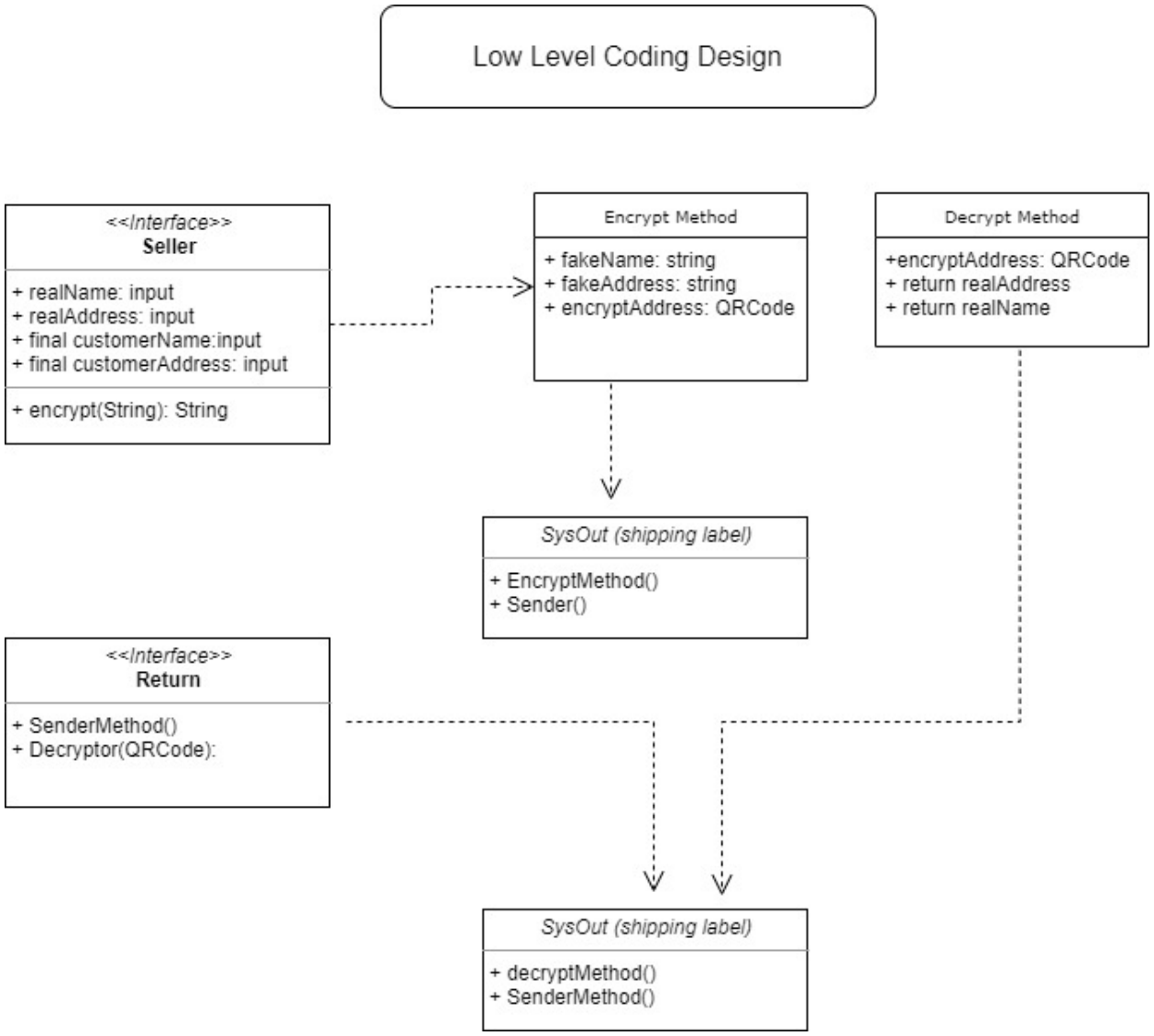
> **PRO:**
>
> This small implementation can be done to enhance the technologies at Mailing Services and web shipping services like PirateShip such as an app or a hardware scanning tracking device.
>
> This is great for sellers who are starting their side hustle at home and cannot pay for a monthly PO box or afford to own a physical business address.
>
> This feature costs less than paying for other alternatives, so it helps the seller earn more money!
>
> **CON:**
>
> This implementation of this feature might conflict with existing technologies for Mailing Services, that is why it might just be a third-party device given to the Shipping industry.
>
> This feature might upset certain consumers because it would not be free, people like free stuff and dislike paying for things. “Yet, the UNITED STATES OF AMERCIA THRIVES ON CAPITALISM, AND I NEED SOME MONEY TO PAY FOR MY COLLEGE DEBT “- Angie (Joke or is it?).

Therefore, this is the alternative many small business owned clients have been dying to try. In this packet you will have the opportunity to review the system architecture(s), investigate the state of the art technologies implemented to this concept and code along with a demo, but first you need to a sign **Non-Disclosure Agreement**.

System Architecture



System Architecture



Technologies Used:

IDE: Eclipse

Language: Java

Computer: Windows Surface Laptop 3

Code

```java
import java.util.Scanner;
public class Demo {
    //list of variables that will be used for Seller

    public static String realName;
    public static String realAddress;
    public static String customerName;
    public static String customerAddress;
    public static String savedGenerateQR;
    public static int num;


    public static void main(String[] args) {


        while(num != 3) {
            // ask user if they are shiping or returning
            System.out.println("Do you want to ship [1] or do you want to return [2] or [3] to end? Enter the Number Option.");
            Scanner scan = new Scanner(System.in);
            //Get the user input option
            num = scan.nextInt();

            switch (num) {
            case 1:
                //Gather customers information
                    //Gets Real name
                Scanner scan2 = new Scanner(System.in);
                System.out.println("What is your real full name?");
                realName = scan2.nextLine();
                    //Gets Real Address
                System.out.println("What is your real full address?");
                realAddress = scan2.nextLine();

                //Gather destination information
                    //Gets destination client name
                System.out.println("What is your cutomers real full name?");
                customerName = scan2.nextLine();
                    //Gets destination client address
                System.out.println("What is your cutomers real full address?");
                customerAddress = scan2.nextLine();
```

Notes: list of variables, decided to only use java for simplistic design concept instead of JavaScript.

```
            customerAddress = scan2.nextLine();
            //Print Info
            printInfo();

            //Generate Encrypted Address
            savedGenerateQR = generateEncryptedAddy(realName, realAddress);
            //End QR is generated, and ready to ship
            break;
        case 2:
            //Get the generated QR Code
            System.out.println("Please enter the QR Code");
            System.out.println("Scann ! Completed");
            String enteredQRCode = savedGenerateQR;
            //Decrypted the current QR Code
            String[] decrypted = decryptsQRCode(enteredQRCode);
            String decryptedName = decrypted[0];
            String decryptedAddress = decrypted[1];
            //Print a new Label and Ship
            System.out.println("New Label Name : " + decryptedName + "\nNew Label Address : " + decryptedAddress);
            break;
        case 3 :
            num = 3;
            break;
        default:
            break;
        }

    }
    //ends while loop



}// end of main
private static String[] decryptsQRCode(String enteredQRCode) {
    //Fancy Math Happens where, the qrcode gets decrypted and it outputs the real name and real address
    String decryptName = realName;
    String decryptAddress = realAddress;
    String[] bothInfos = new String[2];
    bothInfos[0] = decryptName;
```

```
            break;
        }

    }
    //ends while loop



}// end of main
private static String[] decryptsQRCode(String enteredQRCode) {
    //Fancy Math Happens where, the qrcode gets decrypted and it outputs the real name and real address
    String decryptName = realName;
    String decryptAddress = realAddress;
    String[] bothInfos = new String[2];
    bothInfos[0] = decryptName;
    bothInfos[1] = decryptAddress;
    return bothInfos;

}
private static String generateEncryptedAddy(String realNameInput, String realAddInput) {
    //Conceptial QR Code prints out a number that will be used encode the real name and real address of current user.
    String generatedQRCode = "1234567890"; // <--- is the realname and realaddress encrypted to numbers

    return generatedQRCode;
    // TODO Auto-generated method stub

}
public static void printInfo() {
    System.out.println("Real Name : " + realName);
    System.out.println("Real Address : " + realAddress);
    System.out.println("Real Destination Name : " + customerName);
    System.out.println("Real Destination Address : " + customerAddress);

}



}// end of class
```

Demo:

```
Do you want to ship [1] or do you want to return [2] or [3] to end? Enter the Number Option.
1
What is your real full name?
Angie Flowers
What is your real full address?
723 S La verne
What is your cutomers real full name?
Aaron Alvarez
What is your cutomers real full address?
714 S Burlington Ave
Real Name : Angie Flowers
Real Address : 723 S La verne
Real Destination Name : Aaron Alvarez
Real Destination Address : 714 S Burlington Ave
Do you want to ship [1] or do you want to return [2] or [3] to end? Enter the Number Option.
2
Please enter the QR Code
Scann ! Completed
New Label Name : Angie Flowers
New Label Address : 723 S La verne
Do you want to ship [1] or do you want to return [2] or [3] to end? Enter the Number Option.
3
```

Thank you ! 😊