Kevin Zhang

Application Security CS GY 9163

**Homework 4: Mobile Mess**

On NYU Classes, submit a link to your GitHub repository. The repository should be **private**, and you should add the instructor/TA's GitHub account as a contributor to give them access for grading.

For this section, your instructor is: **Kevin Gallagher**, GitHub ID `**kcg295**`

Your TA is: **Evan Richter**, GitHub ID `**evanrichter**`

The repository should contain all of the files of the Android project, plus the text files BUG.txt and difference.txt.

Part 1: Setting up Your Environment

Android Environment

* Set up Android Studio
* Set up Android emulator

Part 2: It's all about intent

Part 3: Can you read me out there?

Part 4: Oops, was that card yours?

Part 5: Privacy is Important

**Grading**

Total points: 100

Part 2 is worth 30 points:

10 points for answering the questions.

10 points for fixing the correct intent.

10 points for closing the application to outside intents.

Part 3 is worth 20 points:

2.5 points for each file correctly modified to use HTTPS.

Part 4 is worth 20 points:

10 points for identifying the cause of the vulnerability.

10 points for describing a potential solution.

Part 5 is worth 30 points:

10 points for removing unneeded permissions.

10 points for removing metric collection API calls.

10 points for removing interaction with sensors.