**CS 501 Mobile Application Development**

**Assignment 2 – Events, Simple Programming Tasks**

**Due next class (9/20 or 9/22)**

**Date: \_\_\_\_\_\_09/19/2022\_\_\_\_\_\_\_**

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This is an individual assignment, please submit your own work.

**Readings:**

* Read Chapter 1 & Chapter 2
* Pre-Read Chapter 3.

**After performing the readings please solve the following short problems:**

* Chapter 1, Multiple Choice/Short Answer: Problems 1.1 – 1.8;
* Chapter 2, Multiple Choice/Short Answer: Problems 2.1 – 2.10;
* Chapter 2, Programming Tasks: Problems 2.25, 2.26 *(Disregard the part about using/including a model);*

**Chapter 1:**

1. Android Virtual Device
2. eXtensible Markup Language
3. <a>hello</a> == Valid

</b>Hello<b> == Invalid

<c digit="6"></c> == Valid

<d>He there</e> == Invalid

<f letter='Z"/> == Invalid

<1 digit="8">one</1> == Invalid

<g digit1="1" digit2="2"></g> == Valid

<h><i name="Chris"></i></h> == Valid

<j><k name="Jane"></j> == Invalid

<l><m name="Mary"></l></m> == Invalid

1. abc
2. Hello
3. The value of the String named hi as defined in string.xml
4. android.support.v7.app
5. True

**Chapter 2:**

1. Model View Controller
2. Display data to the user

Let the user interact with the app

Let the user input data

1. RelativeLayout
2. android.view
3. parent
4. android.textColor
5. android:theme
6. android:background=”@color/myColor”
7. android:onClick
8. TextWatcher

2.25

MainActivity.java: <https://github.com/harrisonahn1129/CS501-PersonalProjects/blob/main/PasswordChecker/app/src/main/java/com/example/passwordchecker/MainActivity.java>

Activity\_main.xml: <https://github.com/harrisonahn1129/CS501-PersonalProjects/blob/main/PasswordChecker/app/src/main/res/layout/activity_main.xml>

2.26

MainActivity.java: <https://github.com/harrisonahn1129/CS501-PersonalProjects/blob/main/EmailChecker/app/src/main/java/com/example/emailchecker/MainActivity.java>

Activity\_main.xml: <https://github.com/harrisonahn1129/CS501-PersonalProjects/blob/main/EmailChecker/app/src/main/res/layout/activity_main.xml>