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## Project 5: ComplexCounter Addendum

Release date: **Friday, April 6th, 2018**

Due date: **Sunday, April 22nd, 2018 by 11:59pm**

This document is intended to provide additional content for students enrolled in CS 18000H for the purpose of satisfying honors requirements. If you have not honors contracted the course, you are not required to implement the feature requested by this document. Please inform your GTA if you will be completing this version of the assignment.

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### Additional Features

A mobile app is not very useful if the data is lost once the app is closed or if the phone is turned off.

You are required to ensure that after adding multiple counters to the list in MainActivity and closing the app, the user's state is saved and the list of counters is not lost when re-opening the app. On the Moto G, an app is closed by holding the square icon and swiping away the application preview.

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### Grading Rubric

The honors version of the assignment will be graded according to the following rubric. The additional requirement has been added in place of grading for the existence of layout elements.

Description	Value
<b>Honors Requirement:</b> Data persists when app is closed.	20
<b>MainActivity:</b> "ADD NEW" button changes current activity to AddNew activity	10
<b>MainActivity:</b> "AUTO" button increments all counters by 1	10
<b>MainActivity:</b> ListView present, initially displays a single counter	10
<b>MainActivity:</b> Selecting a counter name in the ListView changes current activity to Counter activity.	10
<b>AddNew:</b> After pressing "SET" button, new counter with specified name is added to MainActivity	10
<b>AddNew:</b> After pressing "SET" button, previous counters are still present in MainActivity	10

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<b>Counter:</b> "COUNT" button present, increments text field value by 1	5
<b>Counter:</b> "DONE" button present, changes current activity to MainActivity.	5
<b>Counter:</b> After pressing the "DONE" button, the counter selected from MainActivity has a new value based on the final value in the Counter's text field. MainActivity is unchanged otherwise.	10

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*Good Luck*