In Class Activity 3 Chapter 10 End and Chapter 11

Step 0: Finish up chapter10

In CrimeListAdapter we are going to take the responsibility of binding the views away from CrimeListAdapter and give it to CrimeHolder. The adapter should have as little knowledge of the inner workings of the ViewHolder as possible.

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Step 1: Go to HuskyCt and get the Handcuff Icon image and place it in your drawable folder.

list\_item\_crime.xml

Step 2: In design view, find the component tree. Right-click LinearLayout and select Convert linearLayout to ConstraintLayout.

Step 3: From the palette, drag an imageview widget into the TOP of the layout. Make sure it is not below Crime\_Date. Drag it to the right. It doesn’t matter exactly where.

Step 4: Click Crime\_Title, then select the  button. It clears all constraints. Do the same for Crime\_Date. In the component tree, all three widgets should now have an error because you need at least one horizontal and one vertical constraint.

Step 5: Click Crime\_Title. Open the attributes window. Find the constraint widget. Keep clicking the layout\_width constraint A black square with red lines and arrows

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Step 6: Click the imageView. Press down on the top constraint anchor. Drag it to the top of the parent. It should snap. You just set child top to parent top. Now set child bottom to parent bottom. The imageView should now be at least as centered as it was before you set the first constraint. Now set child end to parent end. Here end is right. Start is left.

In the constraint widget you can now see boxes, probably all with zeros in them for each constraint you set. Change the numbers to change the margins. This will fine tune the placement of the imageView. Set the right margin to 16dp.

Step 7: Drag Crime\_Date out of the way for now. Somewhere near the imageView will work. Click Crime\_Title. Set constraints, child top to parent top, child start to parent start, and Crime\_Title end to imageView start. Set the left, top, and right margins to 16, 16, and 8 respectively.

Step 8: For Crime\_Date, set constraints as follows: child start to parent start, Crime\_Date top to Crime\_Title bottom, Crime\_Date end to imageView start. Set left, top, and right margins to 16, 8, and 8 respectively.

Step 9: Change the imageView id to crime\_solved (or wait until after the next step and note the error.)

Step 10: Change both Crime\_Date and Crime\_Title layout\_width to match\_constraints. It should now look like this. A screenshot of a computer

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Step 11: In CrimeListAdapter: In CrimeHolder, add the code below the listener.

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Step 12: For both Crime\_Title and Crime\_Date, scroll down to find common attributes / text appearance. Change it to ?attr/textAppearanceHeadline6