A4 - Using Clock in Blocks Editor

Overview
Complete a full App Inventor app. You can start from an earlier app if you wish but it’s probably more interesting to do something new. Learn about using the clock component to do timing in your app. Explore the Blocks Editor and get more experience with the dynamics of programming (making run time changes)

What you need to do
Make a working app that includes at least the following:

1. At least 4 buttons and/or labels that have either pictures or text. Call one of the buttons Reset.
2. At least two clock component to be used as a timers.
3. Give them all meaningful names and a nice layout GUI in the Designer.
4. Experiment with the Block Editor and see what you can do with your components in My Blocks
5. Use the first clock component to make something happen after 2 seconds (this is a dynamic change based on an event). You may want to change a color or label or picture.
6. Test your app now to be sure the change happens
7. Have the Reset button undo whatever happened with the clock timed out
   a. Set whatever changed back to what it was at start time in the designer (static set up for your program)
8. Test the app again; make sure you can press the reset button several times and it still works!
9. Now use the second timer to make a different change to the same thing the first one changed. If you changed the color of something before make it different now – different from the first change and different from the original in the designer. If you changed the picture, use a third picture.
10. Experiment with the second timer and how it is set up. Interesting time intervals to try are 5 seconds, 3 seconds, 10 seconds. Try 2 seconds again and see what happens.
11. Make sure your final setting of timer 2 lets the app work fully: both changes sometimes appear and you can hit the reset whenever you want and still see the changes happen again!
12. Test your program until everything works perfectly

How and What to turn in
Turn in your .aia file on Sakai.

Grading  The assignment is worth 60 points. -5 for any missing component in the Designer. -5 for not working. -10 for not meeting the specifications.