Embedded Systems in Android Applications

- This class consisted of weekly labs, where we used Java in Android Studio and SDK to create various small android applications such as a calculator, stopwatch, etc that built up to a final project where pairs of developers teamed up to create a larger and more fleshed out application.
- For our final project, my partner and I had a mutual need for a more powerful application for creating and editing lists so we designed and created a list application with various additional functionality compared to a basic list app.
- Our project followed an Agile development cycle and we used Java to develop the application in Android Studio.
- I have included a copy of our requirements for the application to show which features were developed and implemented for our project.

Required Functionality	Functionality Progress & Remaining Work
Ability to create multiple lists and multiple types of lists	This functionality has been achieved and no further work is necessary.
App supports both portrait and landscape mode	This functionality has been achieved and no further work is necessary.
Ability to enable gestures to navigate the lists/app	This functionality has been achieved and no further work is necessary.
Ability to create, name, and rename each list	This functionality has been achieved and no further work is necessary.
Lists save automatically to local storage	This functionality has been achieved and no further work is necessary.
Ability to add and remove items to the checklist	This functionality has been achieved and no further work is necessary.
Ability to edit the content of a list and add media	This functionality is almost complete, we just need to implement a way for the lists to handle the addition of media and a way to package the media for sharing.
Ability to delete or copy entire checklists or note lists	This functionality has been achieved and no further work is necessary.
Option for adding *due dates* to lists or individual items	This functionality has been achieved and no further work is necessary.
Ability to mark things *Completed* or use Alarm Manager for notifications to alert an upcoming *due date*	The ability to mark things completed is finished, but the use of Alarm Manager to issue notifications based on due dates is currently in development.
Ability to share a list via Bluetooth	This functionality is currently in development.