- Week 1 (Mar 1 Mar 7):
 - Plan the Hardware
 - Components Required
 - Schematics sheet / Data sheet
 - Plan the Software
 - CRC Cards
 - Sequence Diagrams
 - https://c.ymcdn.com/sites/pmsa.site-ym.com/resource/resmgr/presentations/pmbokvsagile3.pdf
 - Plan the Device Package
 - 3D Printed case
 - Cardboard
 - Finalize project proposal and outline
- Week 2 (Mar 8 Mar 14)
 - Begin putting the microphone hardware together.
- Week 3 (Mar 15 Mar 21)
 - Finish microphone setup and test functionality.
- Week 4 (Mar 22 Mar 28)
 - Install and test all necessary audio and machine learning packages and test capabilities of BBB with a simple deep learning model.
 - Find Instrument Dataset
 - Begin audio data pre-processing for single instrument classification.
- Week 5 (Mar 29 Apr 4)
 - Continue audio data pre-processing.
- Week 6 (Apr 5 Apr 11)
 - Develop and test deep learning model for single instrument classification and adjust parameters as needed (quantizing for use on Beaglebone).
- Week 7 (Apr 12 Apr 18)
 - Test microphone and deep learning model on BBB to see if it can convert sound into audio file, pre-process audio file, and classify instrument correctly.
- Week 8 (Apr 19 Apr 25)
 - Stretch Goal 1: 3D Printed Case
- Week 9 (Apr 26 May 2)
 - Stretch Goal 2: add all the instruments
- Week 10 (May 3 May 9)
 - Presentation creation and practice
- Week 11 (May 17)
 - Present