Task #	Task Description	Start date	Expected Finish date
1	Research libraries that can transfer speech to text	10/28/19	11/4/19
2	Research different AR devices to use	10/28/19	11/4/19
3	Research graphics engine to produce text bubbles on Android	10/28/19	11/4/19
4	Test different facial recognition algorithms/models to determine best fit for performance	11/11/19	11/24/19
5	Test different speech recognition algorithms/models to determine best fit for performance	11/25/19	12/8/19
6	Develop software in the AR device that captures voice	12/8/19	12/27/19
7	Develop facial recognition software that captures faces in live video	12/27/19	1/6/20
8	Develop and implement system to translate recorded voice to text	1/6/20	1/13/20
9	Use the software that captures voice and facial recognition to	11/24	1/24

	develop an algorithm to determine a location for the speech bubble		
10	Test post Task 9 prototype in different environments/ settings	1/24	1/28
11	Develop graphics in ARcore to display text bubbles	12/8/19	12/27/19
12	Test the project in different environments/settings	2/24	3/16
13	Scale project to display multiple text bubbles	1/19	3/16
14(optional)	Develop Graphics Factory class so different AR devices can be used		
15(optional)	Use hand motions to open up a menu to change models/languages		
16(optional)	Language translation		

Effort matrix

Effort Matrix