

Task list

1. Research libraries that can transfer speech to text
2. Research different AR devices to use
3. Research graphics engine to produce text bubbles on AR machine
4. Revise project design documents
5. Design UI mockups for the project
6. Test different facial recognition algorithms/models to determine best fit for performance
7. Test different speech recognition algorithms/models to determine best fit for performance
8. Develop software in the AR device that captures voice
9. Develop facial recognition software that captures faces in live video
10. Use the software that captures voice and facial recognition to develop an algorithm to determine a location for the speech bubble
11. Test task 10 in different environments/setting
12. Develop graphics in ARcore to display text bubbles
13. Test the project in different environments/settings
14. Scale project to display multiple text bubbles
15. Develop Graphics Factory class so different AR devices can be used
16. Use hand motions to open up a menu to change models/languages