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|  | Date | Sprint | Comment |
| 1 | 2019.11.1 | News App | We have created the GUI of our application and using the Spotify API. We also add the news function, user can get the news from the application. |
| 2 | 2019.11.12 | News App | We add the Word Extraction function |
| 3 | 2019.11.12 | Word Extraction | We used the console app to implement splitting a sentence into many words |
| 4 | 2019.11.12 | Word Extraction | We've streamlined sentences by removing unnecessary words .(like as, and, so….) |
| 5 | 2019.11.18 | Word Extraction | We used form apps to rewrite the original console app in a different way, and we added more useless words. |