

## CSC309 Individual Project Proposal

Name: Memo

Theme: Data Presentation

The main purpose of the library is to help build the memo, list all the required and necessary elements, user can add or remove things to renew the memo and modify on the memo. Since in many different websites and apps, they usually contain the board that shows the necessary or required elements that the user needed.

The benefit for developer who use my library: the library would help them easier to build the app or website they need, for example in games, developer needs to create game task for the user, this can use the memo library. If developer writes their own code, it will take longer time for them to write DOM manipulation function includes insert, delete rows, rank the required elements, with the memo library, they can use that directly.

The benefit for end user: User can click the add button to add a row(elements), for each element, it contains the row number, description of the things and the importance score (1-100). User can click the remove button based on the row number to delete the elements, rank the elements based on the importance, user can also set how many elements they would like to have in the memo. User can also change color of memo, change the font size and color of elements to make some rows more obvious.

A library that allows developers to make the task board/memo for any learning related websites that want to show related tasks or important things, when a user open the memo or task sheet on the website, they can add the task they want to accomplishment, or the things they want to do in the future. The user can add the things on the memo board, each thing would count as one row, it would have the row number.

Three use cases:

1. Small game web app like Angry Birds, the game would set different game tasks for the user to accomplish, so that the user would get some prize. Developer can use the library to add the tasks /requirements that they want user to finish and use rank function in library to adjust the order., also they can add the functionality of change color of the game task font size
2. Learning App like GRE word memory, the user can add the words that is hard for them to remember to a list, that list can be built by using the memo library by developer. The rank function can be set as ranked by alphabetic order of the words, also developer can add the functionality of change color of word, so user can change color of different words.
3. Shopping app, the user can add the items to the wish list, developer can also use the memo library functionality to help build the list. Each element in the list can show as a block instead of a row, the block contains the item name, item picture and item price.