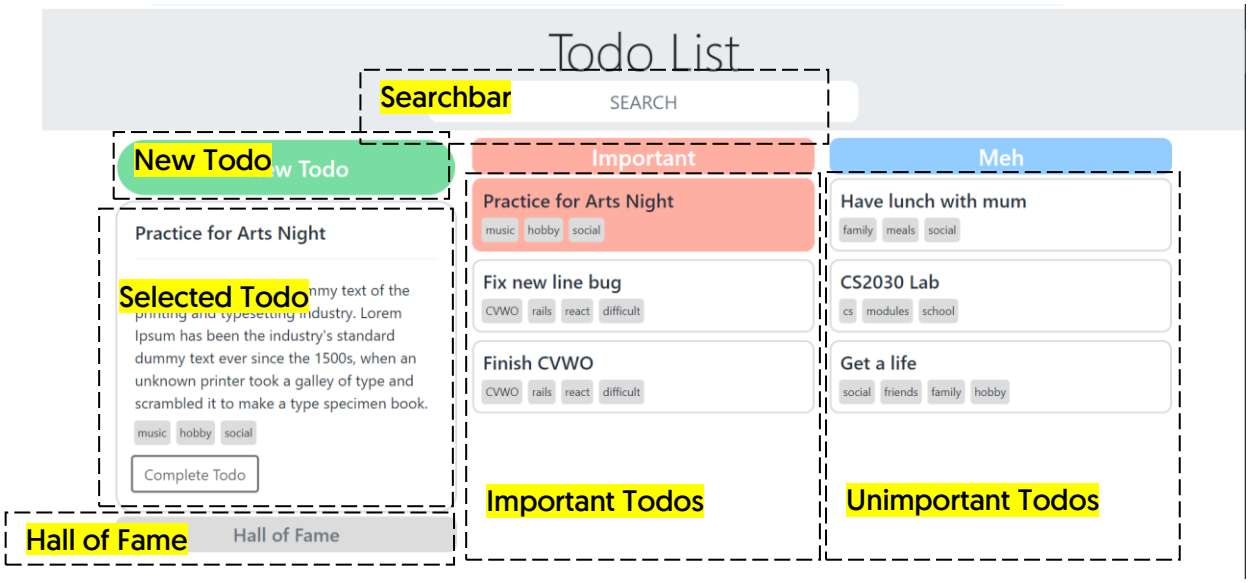
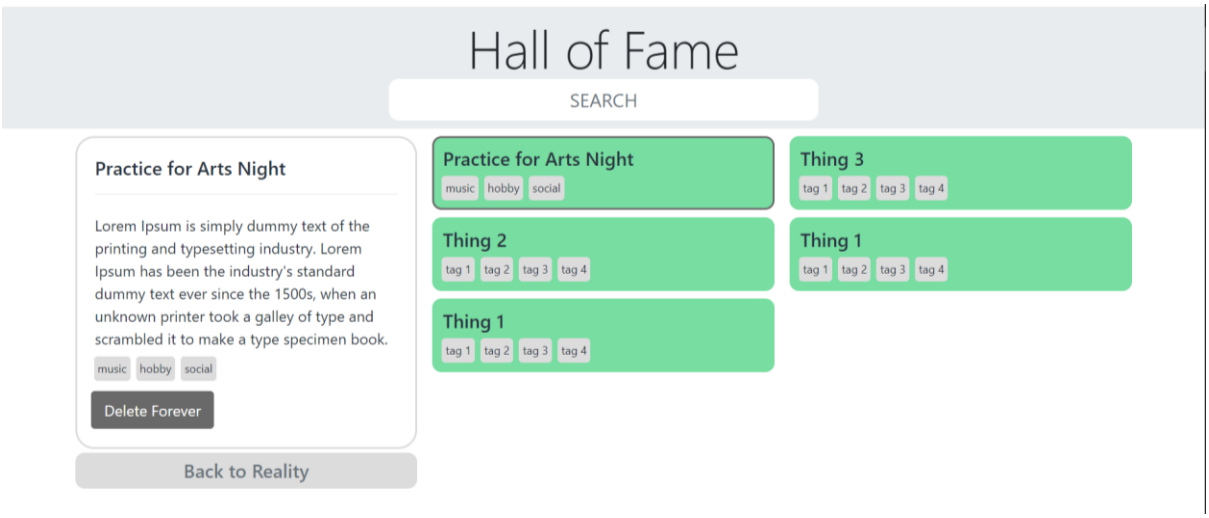
USER MANUAL

http://morning-plains-26426.herokuapp.com/todos

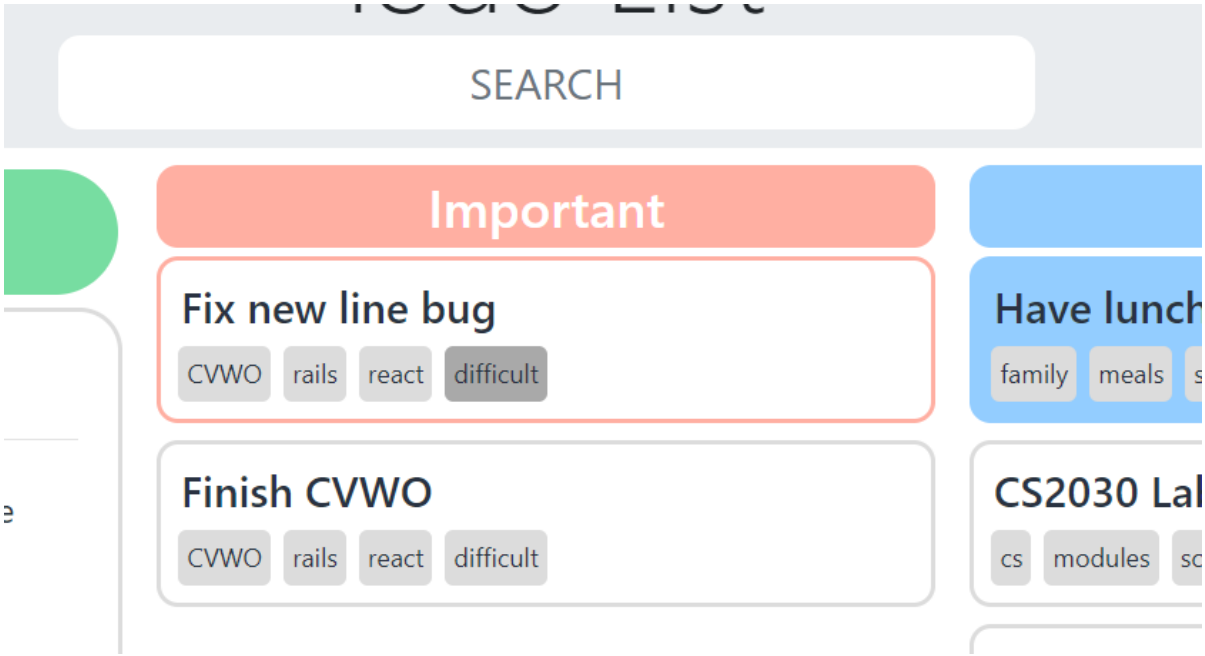


Interface

Searchbar	Search for todos using tags or title
Important Todos	Displays todos indicated as important
Unimportant Todos	Displays todos indicated as unimportant
Selected Todo	Displays selected todo (with details)
New Todo	Create a new item
Hall of Fame	View completed todos



HALL OF FAME where completed todos go, selecting a todo from here opens option to delete the todo forever. Searching functions work as usual here.



SEARCHING for todos can be done either 1. through the searchbar, which searches tags and todo titles, or 2. By clicking on tags, which which automatically search for todos with that tag.

//end of user manual

WRITE UP

I think it will be appropriate to structure my write up like this:

1. Things I'm proud of about this todo_app
2. Current bugs/problems/improvements
3. Final thoughts

1 Things I'm proud about

User interface	1. Single-page app (actually 3 views – main, form, and hall of fame). Also made the 'show' function on the same view ('selected todo'). I think these are in good taste. 2. Pastel colors, wonderful.
Live search	1. Implemented the live searching thing where the results are updated in real time, I thought that was really cool. 2. Implemented searching by tags, where clicking on a tag automatically searches for todos with that tag.
Categorizing Todos	1. Made 2 simple categories for 'important' and 'meh' (unimportant) todos. I think this is simple but efficient, since more categories will make things messy.

	2. Also added a hall of fame for viewing completed todos. I imagine the user will have great satisfaction looking at their completed tasks. This was fun to make since instead of deleting the todo, I would just change the param to *completed: true*.

2 Current bugs/problems/improvements

New lines	I discovered this bug late, but apparently *\n* renders as spaces for me? Too last minute to fix it, but ruins the functionality of the *'details'* section very much.
Heroku problems	The todos don't sync very well on Heroku and there's all kinds of weird behaviors. I'm guessing this is heroku's active storage problem (googled it) https://devcenter.heroku.com/articles/active-storage-on-heroku and given time I would go fix it.
Edit Todo	I don't actually have U of CRUD, update... I thought opening the form again with the params filled in was really ugly, so I omitted it entirely. Given more time, I would make the 'selected todo' component of the main view directly editable.
Refactoring	The app is terribly organised. Complete garbage.

3 Final thoughts

This project was extremely challenging to me. I started late in the last week of December and have spent much more time on this than the NUS mods.

If I were to be frank, I would say 70% of my time spent was on bug-fixing, which is a terribly unsatisfying process. This stood in stark contrast to coding in school environments (CS2030 and CS1101S), where everything is so organised and clean that if there was a problem it was certainly in the code's logic. I think I learnt a lot from this.

An interesting observation is that reading the guides for the different languages really didn't help that much for me. I would read the rails guide, the react guide, bootstrap... and then forget it all. For me at least, I think searching up a project and following it through works best. The understanding of the code develops with my time spent with it.

In conclusion, this gave me a hard time but it was thoroughly worth.