1. Defined the website structure and divided them component wise.
2. Created project folder structure.
3. Created all the component and combined them to form website Skelton (used flex).
4. As I was not supposed to use any other library so did POC on how we can change the location pathname and listen the change event. After analysis used history.pushState.
5. useEffect was not working directly on path change hence created HOC function which listen to popstate event change and return the path.
6. Combined React Context and userReducer hook to maintain application state.
7. Analyzed the store structure and created the same.
8. Rendering the list of folders(inbox,spam etc) from folders-list.json file and same can be used to extend the folder list (can add any new custom folder).
9. After rendering the folder-list, fetching the data of folder from respective json file.
10. Setting the active folder based on location.pathname if not found the setting to default inbox
11. Created userReducer middleware to store the state of application in sessionStorage
12. On application load, checking if redux-state is present is sessionStorage or not if yes, then restoring the same else fetching all mail list data from json files.