Hello Team,

Thank you for giving me such an exciting coding task which I thoroughly enjoyed doing. This is a document stating the task I have understood and implemented.

1. I only focused on the front end part of the entire task. Nuxt.js was also new to me but I think I have managed to understand and also the official documentation helped.
2. I have added a store to manage the data or state of the application to be precise. Thus removed the async asyncData({$axios}) from the component Index.vue. And calling the api get\_lists from my vuex store.
3. I do not know python but I understood the api only contains a single function to generate resolved, unresolved, backlog errors and access it via get\_lists API. Thus resolve functionality only contains data movement from one array to another in the frontend without involving the backend. Same with Undo.
4. I don’t know if I have understood the task well or not, you will find undo button with each unresolved error list and resolved error list. Unresolved error list undo button move the particular selected unresolved error back to backlog list. Whereas resolved list undo button moves the error back to the unresolved list. And backlog errors have a move button to move the error to the unresolved list. As the list of errors is huge, I am shifting the errors to the top of the list instead of the bottom so that you can see change. Also, I kept the error texts unchanged when moved to another list array. Only the colour codes changes.
5. The task was also to move the error to the exact position from where it was moved (e.g., if the user resolved an error that was in the middle of the list at position 4, it should also re-appear at position 4 if he undoes this action). Well, I tried and can only affective on the last action. Example. If the user resolves an unresolved error at position 2, the error is moved to the top of resolved error list. Now if the user press undo button from the resolved list, the error moves back to the second position of the unresolved list. But if the user resolves an error at position 2 and then again resolve another error of any position then the last position is what the error will move back to if the user press undo from the resolved list. I can try to fix this but maybe I need some more time.
6. While using vuex store, I was getting cors error while access backend API at localhost:8000. With the help of google and nuxtjs store configuration documents, I did some proxy configuration in the nuxt.config.js file.
7. axios: {
8. proxy: true
9. },
10. proxy: {
11. "/api/": { target: "http://localhost:8000/", pathRewrite: { "^/api/": "" } }
12. },

I have uploaded my solution to the Github repository.

Link: <https://github.com/irajatghosh/Push-Pop-Challenge>

Kindly give feedback after checking and I hope I will hear from you soon.