

# Turnitin Coding Assessment Report;

## Frontend;

### App.tsx

1. Fix for (x) button.

```
//Fix for close button not working, added function to close modal;  
  
const closeDetailsModal = (membership: Membership) => {  
  | setActiveMembership(undefined);  
}
```

2. Fix for case-insensitive search.

```
//Here is the code-fix to make email searching case-insensitive  
|| membership.user?.email.toLowerCase().includes(search.toLowerCase())
```

## Backend;

1. Java-edge Service:

- a. Refactored code to to fetch all the users in one request.

File Name: java-

edge/src/main/java/integrations/turnitin/com/membersearcher/service/MembershipService.java

```

public CompletableFuture<MembershipList> fetchAllMembershipsWithUsers() {
    return membershipBackendClient.fetchMemberships()
        .thenCompose(users -> membershipBackendClient.fetchUsers()
            .thenApply(userList -> {
                for (int i = 0; i < users.getMemberships().size(); i++) {
                    users.getMemberships().get(i).setUser(userList.getUsers().get(i));
                }
                return users;
            }
        ));
}

```

b. Fixed broken test.

File Name: File Name:

java-

edge/src/test/java/integrations/turnitin/com/membersearcher/MembershipServiceTest.java

```

when(membershipBackendClient.fetchUsers()).thenReturn(CompletableFuture.completedFuture(userList));

```

c. Testing.

