Turnitin Coding Assessment Report;

Frontend;

App.tsx

1. Fix for (x) button.

```
//Code Fix: membership:Membership parameter was missing in closeDetailsModal function;

const closeDetailsModal = (membership: Membership) => {
  setActiveMembership(undefined);
}
```

2. Fix for case-insensitive search.

```
    //Code fix for search by email: convert email to lowercase

    || membership.user?.email.toLowerCase().includes(search.toLowerCase()))
    .map(membership => (
```

Backend;

1. Java-edge Service:

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

File Name:
java-edge/src/main/java/integrations/turnitin/com/membersearcher/service/MembershipService.java

```java
    public CompletableFuture<MembershipList> fetchAllMembershipsWithUsers() {
        return membershipBackendClient.fetchMemberships()
                .thenCompose(members -> membershipBackendClient.fetchUsers()
                        .thenApply(userList -> {
                            members.getMemberships().forEach(membership -> {
                                membership.setUser(userList.getUsers().stream()
                                        .filter(user -> user.getId().equals(membership.getUserId()))
                                        .findFirst()
                                        .orElse(null));
                            });
                            return members;
                        }));
    }
}
```

b. Fixed broken test.

File Name:

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

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

c. Testing.