**Testing Document and Specification**

Test Reports

Team Roos

CS 451R, F 2023

| Emery, Seth | Lord, Blake | Piotrowski, Brandon |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Borland, Ryan |  |  |  |  |

# **Introduction**

This document outlines the outcome of completed system tests. Incidents, Defects and Changes that need to be made will be presented here formally. Although the ideas expressed here are separate entities, they will be combined into this one document.

# **Incidents**

This section defines the incidents discovered while performing various tests on the system. This section will expand as more incidents are found. For each incident, the initial Incident ID (excluding Letter) determines the test case that it ties to. For example, Incident ID 5.4.6.4-B is an incident stemming from test case 5.4.6.4.

| Incident ID | 4.1.4.2-A |
| --- | --- |
| Description | Regular users were able to access the administration page and was able to use admin features. |
| Originator | Blake Lord-Tester |
| Discover Date | Oct 22, 2023 |
| Severity | High |
| Steps Required to Produce Incident | 1. Log in as a standard user  2. Add /admin to the end of the URL bar |
| Responder | Blake Lord-Developer |
| Current Status | Closed |
| Cause | There was checks for authentication when visiting via the correct link, however no authentication for visiting the admin page in the URL. |
| Resolution | Oct 23, 2023 |
| Addressed Date | Oct 23, 2023 |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time | 30 minutes |

| Incident ID | 4.1.4.2-A #fix |
| --- | --- |
| Description | A user could change their email to an email that another user had already registered with |
| Originator | Seth Emery -Tester |
| Discover Date | Nov 2, 2023 |
| Severity | High |
| Steps Required to Produce Incident | 1. Log in as a user or admin  2. Navigate to My Profile page  3. Fill the change email field with an already registered email and submit the change |
| Responder | Seth Emery - Developer |
| Current Status | Closed |
| Cause | There were no checks for if the email entered is already existing in the database tables where user emails are stored. |
| Resolution | Nov 4, 2023 |
| Addressed Date | Nov 4, 2023 |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time | 20 minutes |

# **Defects**

At this time, defects that were found were labeled as incidents. Many of what we consider defects were self made defects that were hard to find but easy to correct. Incidents were found that had the opportunity of turning into defects in the system had they not been able to be corrected.

# **Summary**

The testing procedure to date has been conducted using manual system testing and concurrent unit testing. Features tested include but are not limited to:

* Ability for a non-logged in user to only access select pages.  
  Test Case: 1.1, 1.2, 1.3, 1.4, 1.5, 1.6
* Ability to create a user account and to login  
  Test Case: 2.1, 2.2
* Ability for a logged in user to only access select pages.  
  Test Case: 3.1, 3.2, 3.3, 3.4, 3.5, 3.6
* Ability for an admin user to access all pages.  
  Test Case: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6
* Ability for any user to filter job listings based on criteria  
  Test Case: 5.1, 5.2, 5.3, 5.4. 5.5
* Ability for users to apply to jobs and to update their information  
  Test Case: 6.1, 6.2, 6.3, 6.4
* Ability for admin users to modify and view jobs and applications

Test Case: 7.1, 7.2, 7.3, 7.4, 7.5, 7.6

Further system testing will be done as newly implemented features become available. These features include all the functionality of the Administration Page which entails adding and removing users, signaling on call/ off call status and email preferences. To date, one incident has been found and is currently undergoing corrective measures. This incident was determined merely cosmetic and will not occur if correct procedures of system usage are followed.