**Requirements Documentation, Group 5**

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In addition to what is in this document and the document submitted for future work by the previous group, the following are the high priority items:

· Asynchronous/Synchronous capability of reviewers

· Review/Reviewers should be able to log in and get real time updates on the status of the process

· Extensive reporting of the evaluations including the capability of the data being used for analysis by AI tools

· Capability to archive/unarchive evaluations by year

· Extensive internal and external testing

· System needs to be have SSl capabilities to be deployed to an external server and tested to ensure it works without any errors.

*The following is what is necessary for the program to properly compile:*

**Java**

* JDK 17

**Eclipse**

* Data Source Explorer
* Maven build > Goals: *spring-boot:run*

**MySQL**

- Connector

- Mysql-connector-java-8.0.28

- Username “root” and password “root”

*The following is what is necessary to be worked on through the semester:*

**Code/Methods**

* Form Creation
  + Creating new forms
* Evaluations
* Create new departments for companies by Super User
* Deadlines for self evaluations
* Data being exported to excel
* Evaluations being viewed by all groups or requested groups
  + Evaluators selecting who can view evaluation
* Proper redirection of pages with back buttons
* General beautification efforts
  + Resizing pages for different devices and screen sizes
  + Company logo for pages
  + Landing page instead of straight to login page
  + Button Spacing - Manage Users Page
  + Home Page - more professional with background and a better look for options for the user

**Documentation**

* Installation manual updates
* Create Company Add manual
* General formatting in gherkin syntax/style
  + <https://support.smartbear.com/cucumberstudio/docs/bdd/write-gherkin-scenarios.html>
* Update diagrams and flowcharts in manuals
* Combine documentation as best we can (currently five folders all for documentation)

**Security**

* URL lockdown with role privileges
* Stronger password requirements
* Enable Two Factor Authentication for login
* Active penetration testing to find other security faults
* Build security measures to stop SQL Injection

**Refactoring**

* Refactor the database for simpler class connections
* Design pattern
  + Allow for less code implementation

**Testing**

* More jUnit Testing

FROM LAST GROUP  
  
**General**

**Home Page**

**Manage Users Page**

When creating a User, Whitelabel errors can be encountered upon attempting to submit

Sorting by Department, Company, or Location just sorts by Role when logged in as a SuperSuperUser

Deleting a user successfully deletes that user, but also redirects to a Whitelabel error

When attempting to manually add a new user while logged in as SuperSuperUser, if an error (such as an invalid entry in one of the fields) occurs the other admins beyond the one currently logged in are hidden

After manually creating a group before uploading any users and then uploading a user list, the “Groups” button in the navbar disappears

Error message for invalid files doesn’t disappear

**Evaluation Forms Page**

“Create Form” does nothing

**Archive Page**

**Groups Page**

Deleting groups does not work

Selecting “No” in the popup that appears when you attempt to delete a group takes you back to the home page

Selecting “Archive” just opens the edit subpage

When editing a group selecting “Edit” under Group Employees does nothing

When editing a group selecting “Move” under Group Employees does nothing

When editing a group selecting “Remove” under Group Employees does nothing

Newly created users cannot be added to a group

“Review Stage” and “Status” are blank on the Group information screen once an evaluation has been completed

Groups can be manually added before adding any users

**Evaluation Groups Page**

Does nothing and is always blank

**Manage Roles Page**

Deactivating a role and reactivating it does not re-add the users that previously had that role

**My Evaluations Page**

**Manage Companies Page**

Manually adding companies does not work

After adding a department and hitting the back button, the screen does not automatically refresh to show the new department

**My Account Page**

Selecting “Update User” causes a Whitelabel error

**Cleanup**

Items that mostly work but either have non-optimal code and/or partially incomplete functionality.

**General**

Not all console output has been converted to use log4j and thus is not included in the log file. These items should either be removed or converted to log4j logs

Back buttons need to be reviewed on all pages and subpages, as in many places they either don’t exist where they should or direct to the wrong page, often the top level page instead of the previous subpage

**Home Page**

**Manage Users Page**

Fix formatting for all display aspect ratios

Table has incorrect width before uploading users

Buttons need to be spaced out more

**Evaluation Forms Page**

Selecting the button in the “Form” column in the Uploaded Evaluation Forms table brings up a modal with a black background

Selecting the button in the “Assigned Groups” column in the Uploaded Evaluation Forms table brings up a modal with a black background

Selecting “Deactivate” in the Uploaded Evaluation Forms table brings up a modal with a black background and the button in the modal says “Remove” instead of “Deactivate”

“Upload Form” button does not collapse/expand the rest of the menu like it does on other pages

**Archive Page**

**Groups Page**

Users already in the group are listed in the “Add Employee to Group” dropdown

Generating charts is extremely slow and needs to be made more performant

Back buttons are inconsistent (i.e. Groups -> select a Group (leads to group information) → select “Edit” → select “Back” leads back to the main Groups page instead of back to group information

True/false in the “Sync” and “Preview” columns under the Evaluators list should be replaced with checkboxes

**Evaluation Groups Page**

**Manage Roles Page**

Fix formatting of the table for all display aspect ratios

Under the Edit page selecting “Remove” brings up a modal with a black background

**My Evaluations Page**

Doing a Self Evaluation is very slow and needs to be made more performant

The My Evaluations page is visible to users that cannot be evaluated or self-evaluate (i.e. CompanySuperUsers)

**Manage Companies Page**

Sorting does not work in the company list

Deactivate button is clipped

Units is still “child” in deactivated section

**My Account Page**

Cancel button is rather unnecessary

Should display the current user’s role

**Improvement/Expansion**

Items that should be added in future versions and various refinements that should be implemented.

**General**

Add an option to upload a company logo which should be visible in the navbar on every page

The way Activated and Deactivated items are displayed should be unified across all screens

Implement manually creating locations

Privileges must be properly integrated

Create default passwords for users

Add an option to clear the logfiles

**Home Page**

Add an option to upload a background image to be displayed on the home page

**Manage Users Page**

Division Branch, found within the manual user add form is vague and needs to be separated into discrete Location and Division/Branch fields

The Department and Location drop down lists should filter for only options that are available with the current company and location selection (i.e. only show locations actually under that company and only departments that are connected to that selected company at that selected location)

**Evaluation Forms Page**

**Implement Create Form**

**Archive Page**

Archiving still needs to be implemented

**Groups Page**

Implement archiving groups

Implement deleting groups

Add back button to navbar on the group information -> view screen

**Evaluation Groups Page**

Implement page functionality

**Manage Roles Page**

Implement manually creating roles

**My Evaluations Page**

**Manage Companies Page**

Create Leadership system that includes CEOs and other C-level positions, and delegate permissions for parent companies and the subunits they own

Add more options for manually adding companies

**My Account Page**