80%

Final Project is due on 12/18/24 at 8:05AM. No late work will be accepted. All points on rubric will be “all or nothing” meaning no partial credit. This rubric is out of 100 points and is worth 10% on your final grade.

**Final Project Source Code Requirements - 60 total points**

1. Labs from this semester must be operational in the final project source code.
   1. Lab 02-02 has many requirements that we introduced but could not implement at the time **- 10pts**
   2. Lab 03-01 - Setup Express routes for Bugs and Users **- 2pts**
   3. Lab 03-02 - Setup Joi validation in Express **- 2pts**
   4. Lab 03-03 - Setup Express routes for Comments and Test Cases **- 2pts**
   5. Lab 03-04 - Setup Searching and Filtering in Express list routes **- 2pts**
   6. Lab 04-01 - Implemented Authentication **- 3pts**
   7. Lab 04-02 - Implemented Authorization **- 3pts**
   8. Lab 05-03 - Implemented Full Stack Functionality for Logins, Listing Users, Listing Bugs, Editing Users, Editing Bugs **- 3pts**
   9. Lab 05-04 - Implemented Searching and Filtering on the Front End **- 3pts**
2. Add Front-End functionality for Comments on Bugs per Lab 02-02 requirements **- 10pts**
3. Add Front-End functionality for Test Cases on Bugs per Lab 02-02 requirements **- 10pts**
4. All Database Operations must automatically show the results without a manual refresh -**5pts**
5. All functionality should be accessible through navigation links. -**5pts**

**Video Demonstration of Final Project Requirements - 40 total points**

You must record a live demonstration of your Issue Tracker. You can choose YouTube unlisted or public and share the finished link with your instructor. You can use popular video recording software OBS or anything you are familiar with. You do not need to record your face but it is optional.

1. Introduce yourself and introduce the project. You can optionally use slides as a guide.
   1. Include your name, your semester at Ranken Technical College **- 2pts**
   2. Include the Tech Stack you’ve learned and 2 or 3 major learning takeaways from doing this final project. -**3pts**
2. Keep the recording to a max of 15 minutes. **-2pts**
3. Include the following in a Live Demonstration of your software:
   1. Register & Login a User **- 5pts**
      1. After logging in, display a welcome message to the logged in user and their roles on the page -**3pts**
   2. Login as 5 different users with different roles and demonstrate what that unique role is able to do.
      1. Developer **- 5pts**
      2. Business Analyst **- 5pts**
      3. Quality Analyst **- 5pts**
      4. Product Manager **- 5pts**
      5. Technical Manager **- 5pts**

**Bonus**

10pts bonus for demonstration of the application deployed live on the internet. Any Hosting provider is fine. Options include GCloud, Vercel, Render.com or any other.