Design Plan

To complete the task of creating an esports registration website it will be first important to create a login/registration intro page. The user will either be able to login if they have previously registered with credentials or register if they are new. Once one of these are selected it will direct the user to the desired location. If logging in, the user will be prompted for username and password. We can use an if statement to keep track of sign in attempts and lock the account if the limit is reached. Ideally, we would have a feature allowing for user to enter associated email for password modification but that is not in the requirements. If the user successfully logs in they will be directed to a page where they can view their information and make edits if wanted. There will be a single edit information page for general information so all general information could be altered at once. For security reasons changes in passwords will be its own page where only the password can be altered. If the user isn’t registered and select the registration tab from the home page, they will be directed to the registration from where they will enter their information. The information will be checked to ensure it is valid. Once registered it will prompt the user to complete registration by creating an account with a username and password. Then they will be sent to the overall directory where they can edit and view their information. As an administrator, either a separate login will have to be created or an identification statement that notices the users status upon logging in and directs them to the administration home page. The administrator can then select from a menu of options to view stats, alter information, etc.

Testing Plan

1. Information Forms
   1. Entering non-valid information to make sure it is properly identified and handled
   2. Leaving boxes empty and seeing how webpage responds to missing information
2. Sign-In
   1. Making sure security measures are in place for too many invalid logins
   2. If passwords have been changed make sure the old passwords don’t work
3. Altering Information
   1. Changing information and then viewing your profile again to ensure the alterations went through properly
   2. Enter invalid information and check for error handling