**Final Project report CS303**

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| Member | Task | Due Date | Status |
| Temesgen Assefa  Daniel Nigussie | Design the UI and business logic for the admin, students and faculty | Day1 and Day 2 | Completed |
| Temesgen Assefa | JavaScript code for the login credentials for the admin, student and faculty pages | Day2 | Completed |
| Daniel Nigussie | Introducing Eslint.  Developing JavaScript code for view courses for every user and including code for sorting the courses by their names and course code. | Day 2 | Completed |
| Temesgen Assefa | Developing JavaScript code user student to view and update their records. | Day 3 | Completed |
| Daniel Nigussie | Developing JavaScript code user faculty to view and update their records. | Day 3 | Completed |
| Temesgen Assefa  Daniel Nigussie | Bootstrap CSS for the admin, faculty and student html pages html pages | Day 3 | Completed |
| Temesgen Assefa | Code for students to view only their own courses |  |  |
| Daniel Nigussie | Developing code for faculty class to access all the students and view all the faculty and able to sort list of students and faculty by their first name and last name | Day 4 | Completed |
| Temesgen Assefa | Write the code for admin user to access all the students and be able to sort student branch faculty list by their first name and last name. | Day 5 | Completed |
| Daniel Nigussie | Developing code for admin user to make able the admin to assign courses for the students | Day 5 | Completed |
| Temesgen Assefa | Write the code for admin to view courses of the specified student. | Day 5 | Completed |
| Daniel Nigussie  Temesgen Assefa | Mocha unit tests for each use case. | Day 5 | Completed |
| Temesgen Assefa | Including Eslint comments for all the functions | Day 5 | completed |
| Daniel Nigussie | Html and JavaScript validation | Day 5 | completed |
| Temesgen Assefa  Daniel Nigussie | We have laid out a plan to test all the functionality to if it works as it is expected.  If we find a bug or error, then we will be able to fix it immediately. | Day 6 | completed |

**What We have learned**

How to design a project

How to assign LOE for the project.

Now we have the experience and skill how to solve some of problems in a simple approach.

we also have an idea what cloud system like AWS, Heroku and Google cloud is and how it works. In addition, we are able to know

* How to develop html page for different tasks
* Validating the html document and how the validation works, what are the standards for the html page
* Redirecting form one html page to another
* Building JavaScript code for different tasks.
  + Creating classes and how to extend them
  + When and how to use super while inheriting classes
  + Developing Login credentials
  + Creating edit profile.

**Challenges**

We did a lot of working in solving problems throughout the project completion. we had some challenges took us a quite a while listed below.

* Sorting courses by their name and course Id on the home page.
* we went back to our lectures slides and read a lot of materials to get some understanding on sorting a big data.
* We also got some support from TA and online sources.
* Had hard time to put our HTML and JavaScript on W3C validator.
* We read a lot of vlogs and blogs.
* We tried a plenty of times ourselves and we made work. It felt great when you see your code working. That was the best experience of this project too.
* We were not able to post our code in google cloud because it required payment to sign up in it.
* We had a very limited time to finish our project since it was a little bit of vague and complex.