**CS477 Final Project Report**

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*Meron Kiflmariam*

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*Daniel Hagos*

*Tam Nguyen*

*Henok Hamito*

**General Comment**

We believe , we have incorporated all the requirements for this project and even pushed a bit more. But, Of course, it is far from being complete and there is still a huge room for improvement, especially, on the front end. User interface needs a lot of brushing up. Displaying error messages in a user friendly manner is where we felt like we lacked somehow. We will continue to develop it , now that we have all the framework and structure ready. And detail report follows:

**Front End**

1. Sign up integration

[*Meron, Daniel*: Sign up form implemented, and post request sent with the user info from the input field. Input field cleared afterwards.]

1. Log in integration

[*Indrias and Mintesinot*: accepting the username and password to send it to the server side. ]

1. CRUD integration

[*Indrias*, *Henok*: Accepting events and aligning them with the right request URL in order to give the right feedback.]

1. Cart

[*Mintesinot, Daniel, Henok*]

* 1. Adding to Cart
  2. Displaying what’s in the cart
  3. Calculating total prices in the cart
  4. Deleting from cart
  5. Clearing cart after order

1. Orders

[*Mintesinot, Indrias: Placing an order*]

1. Searching a book by ID and identifying a user by username

[*Mintesinot : Identification of book and user for different purposes ]*

1. *Page Structure and direction*

[*Mintesinot:* *events design and logic*]

**Back End**

1. Model and Controller Design

[*Mintesnot, Indrias*: users and books controllers, users and book models, and the routes as well. ]

1. CRUD Operations

[*Tam*, *Henok*: Be able to create the CRUD operations which are GET, POST, PUT, DELETE on the books for Admin]

1. Sign up

[*Indrias*, *Henok*: adding users to the users array. Username checked for uniqueness.]

1. Login Authentication

[*Meron, Daniel*: Users authenticated using their username and password. Token sent back to user.]

1. Login Authorization

[*Tam*, *Meron*, *Mintesinot*: verify users if they are admin, so they can do the CRUD operations.]

1. Logout

[*Henok, Daniel:* Clearing token from storage history and loading the signup and sign in page.]