**MPP-CS401**

**Project Minimum Functionalities**

These notes are considered a check list for your group to verify your project the minimum required functionality. As we expect more quality. The basic notes could be listed as the following:

1. Login properly, the login page should work in a standard method for any software application.
2. The user interface for different roles should differ between the librarian and the admin.
3. Role’s UI should not see the functions of other roles.
4. An admin should be capable of adding members and books.
5. The librarian should issue the book checkouts upon specified periods of days.
6. A book should have several copies, sharing the same ISBN.
7. When a book is issued up to the number of copies, the system should not allow any checkout for that book and should inform no more books are available.
8. Basic verification could be applied.
9. Don’t rely on the window button, have proper navigation through your system.
10. Always place a sign out/logout option.
11. Provide a ‘user welcome’ or ‘singed in as’ as an indicator that the user is logged on.
12. A member should be defined if he/she has passed due date from borrowing the book.
13. There should be a method to see all books and members.
14. There should be a method to see all checkouts.
15. Add a help option that will provide a brief explanation of your project.
16. Make the colors or design of your layouts related.
17. Have your buttons to functions in common locations.
18. Place UI components in a related manner. Not on opposite corners.
19. Main UIs should be singletons.
20. Do not leave the design as is, change it in any way to have a look for your applications.