**Servlet Documentation**

**For student account register,**

-Use method="post" and action="users/register".

-If input (name, email, phone, studentId, password, confirmPassword) is empty, do RegisterFilter.java and Exception.

-If input is not null, go to UserRegisterServlet.java and do doPost method.

-In doPost method, data from input field is catched with getParameter keyword and then do register function in StudentService.java and view users with contextpath ("/users").

-In register function, data from student entity are added into LinkedList in StudentRepository.java .

**For account login,**

-Use method="get" and action="users/login".

-If input (email, password) is empty, do StudentFilter.java and Exception.

-If input is not null, go to UserLoginServlet.java and do doGet method.

-In doGet method, data from input field is catched with getParameter keyword and then do login function in StudentService.java and go to the ("/dashboard.jsp").

-Email and password which come from student repository are checked to enter the system in login function.

**For submit registration,**

-Use method="post" and action="courseRegister".

-If input(department,course,semester,year) is empty , do CouserRegisterFilter.java and Exception.

-If input is not null, go to CourseRegisterServlet.java and do doPost method.

-The input data for department and course which come from related with repository are pulled out with for loop in dashboard.jsp .

-In doPost method, data from input field is catched with getParameter keyword and then do save function in RegistrationService.java and view users with contextpath ("/confirm.jsp") with id.

- In save function, data from registration entity are added into LinkedList in RegistrationRepository.java .

-After click submit registration button, data (id, department, course, semester, year) are shown confirm.jsp.

**For register courses list,**

-In dashboard.jsp, when you click register courses, go to the registerList.jsp .

-In registerList.jsp, the data which come from registration entity are got with for loop and then show with table.