# ClubUML Spring 2014 1/20/2014

# Topic: Validation Research Name: Ameya Joshi

The objective of the research is to check if the forms throughout the system have correct validation rules set or do we need some changes/additions.

**Index.jsp:**

* The username and password are sanitized using PreparedStatements. Thus, we can say that they are safe from SQL Injections.

*Suggestions:*

* A check for empty fields is not present. Javascript can be used to do this check. Thus, unnecessary execution of servlet is prevented and server load is reduced.
* Check username password for illegal characters. No check present as of now.
* Do not allow semi-colons as an added measure to prevent Injection attacks.

**Register.jsp:**

* Check if username already exists is present.
* On the fly check for password match present.
* Regex to check if an email id is valid present.

*Suggestions:*

* No constraints of length of the password or characters used in the password.
* A check to validate if the email id belongs to the user can be incorporated, i.e., sending mail to user with a link to confirm the address.

**Display.jsp:**

* The project allows only valid files to be uploaded by the user.
* However, it does not display an error message if the file type is not valid.

*Suggestions:*

* Display error message when user tries to upload an invalid file.
* Moreover, if the user can be given permission to upload only certain file types, that would be even better.