# Career Guidance Project

## Demo Feedback

1. **Name Validation**

Current implementation:

Accept space but we have used String.trim() then fname and lname accept as zero.

Suggestion:

Name should be Max 25 chars and name can also accept dot (.) initially.

Fname is empty then throw error blank name should not allowed. Limit data till 25 characters.

Use real world rules for the name validations.

Make fname mandatory and lname optional.

1. **Junit Test Case**

Current implementation: No

Suggestion: Use Junit to validate business logics.

1. **Email Validation**

Need to add: Email should not contain any white spaces.’@’ and “.” Should not be consecutive.

Suggestion: Need to correct description and use real world rules for the email validations([amar@xyz.abc.jp](mailto:amar@xyz.abc.jp))

1. **Password Validation**

Need to add: Password must contain at least 1 upper case, 1 lower case, 1 number and 1 special character.

Suggestion: 1 digit should be from any of the four families (Upper case, Lower case, Alphanumeric and Special characters.

[A-Za-z0-9] & special case

1. **Mask Password**

Current implementation: Solution did not work.

Suggestion: Need to implement it.

1. **Mobile Validation**

Need to add: String regex = "^\\+(?:[0-9] ?){6,14}[0-9]$";

https://howtodoinjava.com/java/regex/java-regex-validate-international-phone-numbers/

Suggestion: Mobile can start from any number and it should accept national and international number as well. Use real world rules for the mobile no validations.

1. **Log4j**

Current implementation: Not yet Implemented.

Suggestion: Need to implement it.

8)Area of Interest

Currently we are recommending Engineering only but there are lots of branches in Engineering.

As per current implementation career guidance does not full fil the requirement only giving list of area of interest does not mean anything. Motive is not correct it should be like based on exam.

Based on the student rank & score of the examination some branches and colleges.

Or Based on the aptitude test result or rank we can suggest Courses/Colleges/Scholarship.

Appearing an exam is not a career what about after the examination.

Need to do: Every should come with design once and provide your input.

1. **Data Storage**

Current implementation: Storing into file.

Suggestion: Need to store into DB.

1. **Encryption Key**

Current implementation: Hardcoded.

Suggestion: key should not be hardcoded. Generate key based on the machine id generate key or do some research on it.

1. **Saving user details**

Suggestion: While saving user details save area of interest as well otherwise what is the use of getting user input again and again.

1. **Railway Recruitment**

Suggestion: Recruitment for which post either it should be for Track Maintainer Grade-IV, Helper/Assistant Points man/RRB Loco Pilot

Goods Guar/Railway Information Department/Ticket Checker or Ticket Examiner (aka Ticket Collector/Railway Constable/Driver/ Clerk/Station master/Officer etc.

**12) Icareer.java**

**13) Reading and Writing data**

Suggestion: Define separate interface for writing and reading data suppose we have JDBC concept tomorrow then what will happen?

**15) Hardcoded message in SYSO**

Suggestion: Do not keep hardcoded things in SYSO use properties file or something else.

Based on the aptitude test /score provide list of courses/colleges/jobs.

Check international education system new policy.

Major or Minor sub interest area like Engineering & Music based on rule engine or something like based on rule-based job.

16)Welcome message need to reform.

**Action Items:**

1.Create design to achieve based marks percentage user will get option like courses, colleges, jobs etc.

Assigned to Sandeep, Amar, Soumya, Naveen and Bexel.

2.Include aptitude test for the register user and based on the result recommend courses/colleges/jobs etc.

3.Need to work on above validation parts like fname, lname, pwd, mobile and email etc.

And also include Junit.

Assigned to Naveen and Bexel.

4.Strore hardcoded things into properties file.

Assigned to Soumya.

5.Implement Junit

Not assigned will work later.

6.Store user details into DB using JDBC.

Assigned to Amarkant

7.Need to find solution to generate encryption key based on the machine id.

Assigned to Amarkant

8. Welcome message need to reform – Assigned to Naveen and Bexel.