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# **CZ2002 OODP STAR ASSIGNMENT 10-Nov-2020 2043hr**

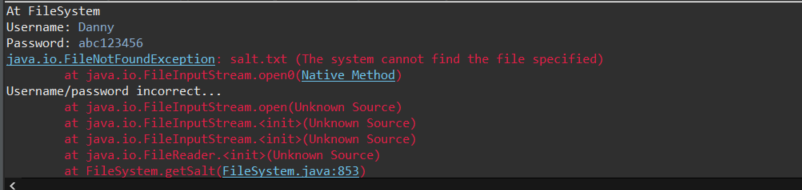
**Evaluation and Test Case   
File taken from GitHub on the date stated above**

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| Evaluation name : Overall Project Structure |
| File(s) involved:   * All File within in the project   Issues:   * Project Structure is too cluttered which in return make it hard to distinguish which is our implementation and which is the reference java. * Reader the IDE Warning and try your best to resolve it (best-practice)   Recommendation:   * The project structure can be further improved by using package which segregate the .txt and the UI java file. It the same as how you use model package to store the data structure   Assumption Make:   * Mainapp.Java will be the main class that will be the first to execute  -It responsible is to authenticate the user * Most I/O is limited to Write function. When the User object is created the relevant data will already been read and load into the appropriate data structure . |

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| Evaluation name : Overall Conclusion |
| * All the function in Filesystem.java seem to be function well even though I only test 2 as most likely the method is going to change to suit our need when we separate * **Ensure that method implement had proper validation as well as** [**Proper\_error**](#Proper_error) **handling** |

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| Evaluation name : MainApp.Java |
| Issues:   * Other than it is not completed . The code in Mainapp is simple and easy to read and make changes compare to Filesystem. Java   Recommendation:   * The code that handle the Authentication can be an abstract class with static method as shown previously which will return an int result base on the String argument pass * This in return will make that code reusable for another java project and adhere to the Single Responsibility principle … “Handle the authentication” * For the hashing method you may create another java class that handle it As Admin would need to add it in therefore the Relationship could look like this.    Mainapp.java  dependency on Authentication.java return Int base on role and outcome which itself is a Security feature hence generalization can be use .. “Or another dependency // many way to skin a cat. But prefer generalization  Security feature.java (base class) will handle the hash and de-hash (static) It can be a concert class also as we can use the same Hash method to save it into another text file that is not our account… |

Side note: “Avoid providing this error output”



Error lies the program Code state the file is located at the project directory but it in “src” yet somehow it tells me I gave invalid credential

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| Test Case Name: Edit student access period | |
| Pre-condition | Admin must be authenticated |
| Text file Involved | Settings.txt |

* A Tick in the Verdict field mean it pass.

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| Amend the new access period to before the current access period | | | | | |
| S/N | Input Description | Input-Field | Actual output | Excepted Output | VERDICT |
| 1 | Change the start date to before current date (10-11-2020) | 1  Y  10-10-2020/20:20:20 | Enter end time for access period: (dd-MM-yyyy/HH:mm:ss) | A message   The new Start date can`t be in the past | **FAILED** |
| 2 | Change the end date to before the start date | 1 Y 15-11-2020/20:20:20  10-10-2020/20:20:20 | Re-direct to Admin page   Changes reflect into text file | A message   End date must come after start date | **FAILED** |
| 3 | Enter date without time | 1 Y 20-11-2020 26-12-2020 | Only the start date  and end date is entered into text file | A default start time is entered to text file  A default end time is entered to text file | **FAILED** |
| 4 | Enter invalid date  for Start date | 1 Y 1-13 -2020/20:20:20 | Enter end time for access period: (dd-MM-yyyy/HH:mm:ss) | A message Invalid date enter | **FAILED** |
| 5 | Enter invalid date  for end date | 1 Y 15-11-2020/20:20:20 1-13 -2020/20:20:20 | Re-direct to Admin page   Changes reflect into text file | A message invalid end date enters | **FAILED** |
| 6 | Valid start-date , end date with time is enter | 1 Y 17-11-2020/20:20:20 1-1 -2021/20:20:20 | Re-direct to Admin page   Changes reflect into text file | Re-direct to Admin page   Changes reflect into text file | **Checkmark** |
| Recommendation:   * While the basic function is there. There is no vaildation being implement  While Vaildate time is not shown here. It should be implement in the code . | | | | | |

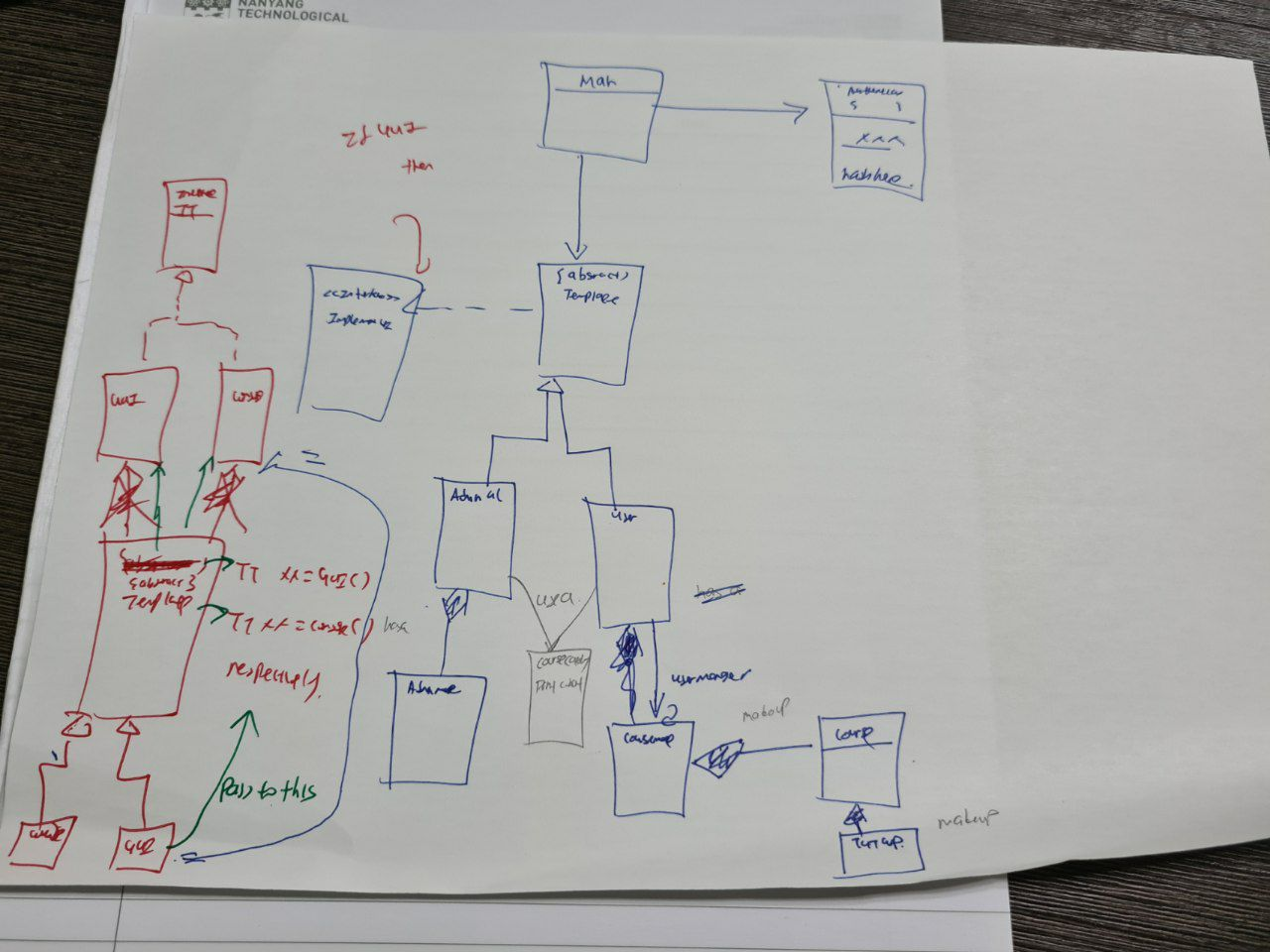
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| Test Case Name: Add Student | |
| Pre-condition | Admin must be authenticated |
| Text file Involved | students.txt   salt.txt |

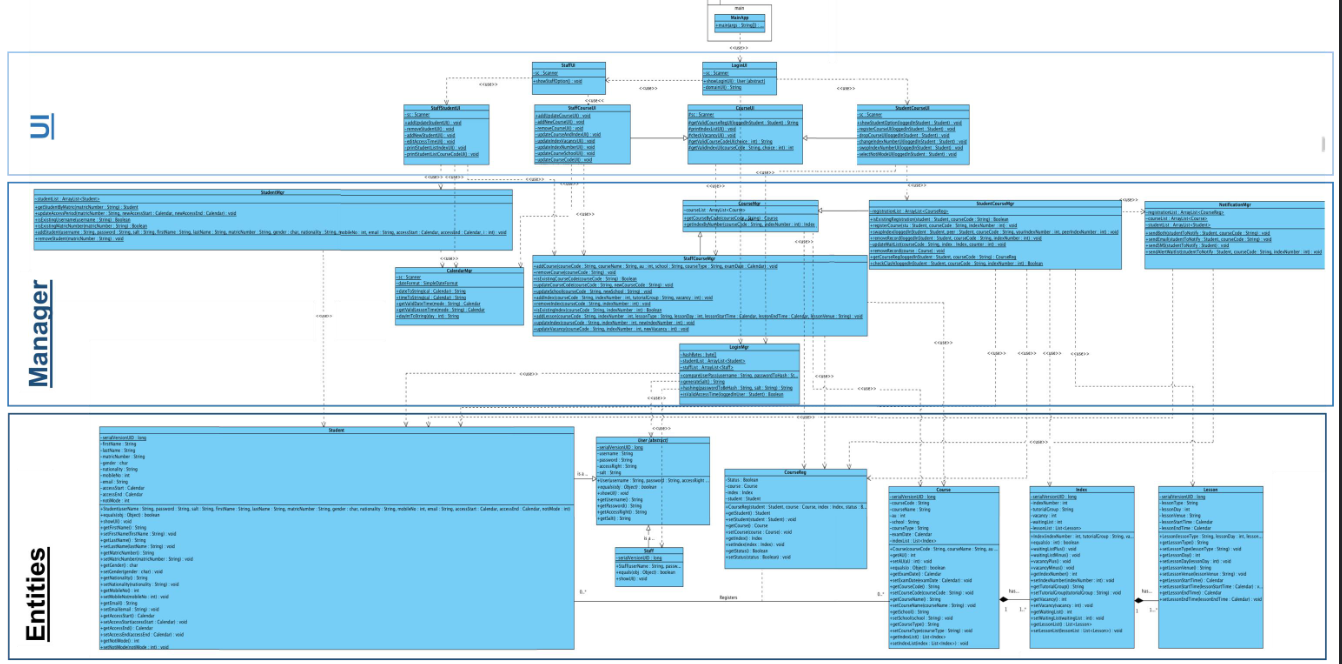
* A Tick in the Verdict field mean it pass.

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| Adding a New student to the text file | | | | | |
| S/N | Input Description | Input-Field | Actual output | Excepted Output | VERDICT |
| 1 | Creating a new user which had the same username as existing but in different case | 2 benny | Prompt for password | A message   user exists | **FAILED** |
| 2 | Creating a new user which had the same username as existing in same case | 2 Benny | A message  User already exists  **// S/N 2 Will be removed once S/N1 passed** | A message  User already exists | **Checkmark** |
| 3 | When the password and confirm password, field is different when create user | 2 Yonka 123 456 | A message password does not match | A message password does not match | **Checkmark** |
| 4 | When the password and confirm password field match but not strong | 2 Yonka 123 123 | A message password not Strong enough | A message password not Strong enough | **Checkmark** |
| 5 | Creating a new user with Invalid Gender | 2 Yonka XXXX U19XXX <> {M, F} | Prompt for Nationality and will write to text file once it entered | A message  Gender should only be M and F | **FAILED** |
| 6 | Create a new user with valid field | 2 Yonka Tired2020$ Tired2020$ U192020K M Singaporean | A new user is written to the text file with the field I specified   password store in salt is Hash | A new user is written to the text file with the field I specified   password store in salt is Hash | **Checkmark** |
| Recommendation:   * For S/N 3,4 While It did what is required it best that it won`t re-direct me back to admin main page. (This point is optional) * Remedy thoose S/N that “FAILED” | | | | | |

Appendix “Ref” Personal Used

(Ignore this page )



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