Technical Document Layout and Notes

NB - Title page

Table of Contents

Page Numbers

1. Defensive Programming

* Add in all screens that have components that limit user input
* Add in all code with try-catch statements
* Any other code that stops the user from doing something illogical e.g. buttons hidden/disabled until the user has done something

2. External Sourced Code

Credit and classes/methods that you had help with. MUST be less than 20%

3. Explanation of Critical Algorithms

Copy pseudocode from Design Doc. Do not include log in screens, help etc. MUST be pseudocode.

4. Advanced Techniques

See document I uploaded to IEB 2020 Conference. Max 4 marks.

[https://docs.google.com/document/d/1gg-0WO2K-eKiucXetGCO19WqY82jbIMd/](https://docs.google.com/document/d/1gg-0WO2K-eKiucXetGCO19WqY82jbIMd/edit?usp=sharing&ouid=111066381352939390816&rtpof=true&sd=true)

5. Evaluation of Solution

Answer these questions:

* How does the end project compare with what you started?
* What did you change in the specifications?
* What goals did you meet (hopefully lots)
* What goals did you not meet?
  + What could you do to fix these goals? Using Code (Time is NOT a solution)
* Comment on your time management
* What could you do for improvement? (Things NOT in specs) This not mean fix goals but how this project could be extended e.g. Make an app for a phone, multiple users, add in any other features NOT listed in specs.

6. Functional Testing

Copy all the functions from Specs.

Put in a table.

Add a column to the right with the heading Achieved? Yes/No

Add in the tester’s name and the date

Add in a place for general comments

**Tester Name Date August**

|  |  |
| --- | --- |
| **Functions** | **Achieved? Yes/No** |
| Log In Screen Exists | Yes |
| Input user name and password | Yes |
| Check if user is valid | No |
| Allow user to sign up | Yes |
| …. |  |

**Comments**

Copy the entire table so that the project is tested twice on 2 different dates. Hopefully there are more functions working the second time and the comments are addressed.

Do NOT deduct marks if functions are not working.

**Tester Name Date September**

|  |  |
| --- | --- |
| **Functions** | **Achieved Yes/No** |
| Log In Screen Exists | Yes |
| Input user name and password | Yes |
| Check if user is valid | Yes |
| Allow user to sign up | Yes |
| …. |  |

**Comments**

7. Test Plan

Similar to Data Validation which has been already assessed - so only use TWO variables.

Name the variables and where they are used.

E.g. Test plan for username and password in the login screen.

|  |  |  |
| --- | --- | --- |
| **Standard** | **Extreme** | **Abnormal** |
| Username: “Fred”  Password: “Fred” | Username: “F”  Password: “F” | Username: No data entered  Password: No data Entered |
| Screen Before showing the above data entered | Screen Before showing the above data entered | Screen Before showing the above data entered |
| Screen showing data is accepted | Screen showing data is accepted | Screen showing error message. |

8. Source Code

8.1 Each Class is a Subheading

8.1.1 Each method is a subheading