**DEPRTMENT OF COMPUTER SCIENCE**

**Programming Fundamentals Mid Term Project**

**Project Name:** Hangman

**Student Reg. No. :**  2020-CS-10  **Student Name.:**  Asad Mehmood

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|  | **A-Extensive Evidence** | | **B-Convincing Evidence** | | **C-Limited Evidence** | **D-No Evidence** |
| Documentation Formatting **Grade:** | All the documentation meets all the criteria. | | Documentation is well formatted but some of the criteria is not fulfilled. | | Documentation is required a lot of improvement. | Documentation is not Available |
| **Documentation Formatting Criteria:** **Title** Page, **Header**-Footers, Font **Style**, Font **Size** all are all consistence and according to given **guidelines**. | | | | | | |
| Documentation Contents  **Grade:** | Documentation includes all of the criteria. | | Documentation meet more than 80% of the criteria given . | | Documentation meet more than 50% of the criteria. | When the documentation meet less than 50% of the criteria. |
| **Documentation Contents Criteria:** **Title** Page - **Table** of Contents - Project **Abstract** - **Functional** Requirements - **Wire** Frames -**Data** Structure (Arrays)-**Function** Headers and Description - **Flow Charts** of all functions- **Test Cases** are defined -Project **Code.** - **Weakness** in the Project and **Future** Directions. - **Conclusion** and What your **Learn** from the Project and Course and What is your **Future** Planning. | | | | | | |
| Project Complexity  **Grade:** | Project has at least 2 users types and each user has at least 5 functionalities. | | Project complexity meet 80% criteria given in extensive evidence | | Project complexity meet 50% criteria given in extensive evidence | Project complexity meet less than 50% criteria given in extensive evidence |
| Code Style  **Grade:** | All Code style criteria is followed | | All code style criteria followed but some improvements required | | lot of improvements required in coding style. | **Did not follow** code style, |
| **Code Style Criteria:**  Consistent code style. Code is well indented. Variable and Function names are well defined.  White Spaces are well used. Comments are added. | | | | | | |
| Code Documentation Mapping  **Grade:** | | Code and documentation is synchronized. | Code and documentation does not synchronized at **some** places | | Code and documentation does not synchronized at **many** places | Code and documentation **does not** synchronized. |
| Data Structure (Arrays)  **Grade:** | | Data structure is sufficient for the project requirements | Data Structure is sufficient but require improvement to meet project requirements. | | Data structure is not sufficient and need a lot of improvement | Data Structure is not properly identified and declared. |
| Sorting Features  **Grade:** | | Sort working 100% and generating useful report | Sorting Feature is working but sorted data is not useful for project. | | Sorting feature is partial implemented | Project do not contain sorting |
| Modularity  **Grade:** | | Meet all Modularity criteria | Meet all Modularity criteria but at some places it is missing | | Do not sufficiently meet the modularity criteria. | No modularity or very minimum modularity. |
| **Modularity criteria:** Functions are defined for each major feature. Functions are independent (identify from parameter list and return types)- Demo Data Functionality Added- | | | | | | |
| Validations  **Grade:** | | Validations on all number type inputs are applied | | Validations are applied but at some places it is missing. | Validations are missing at lot of places | No Validations are used |
| Presentation and Demo  **Grade:** | | Presentation and Demo was 100% working | | Presentation and Demo require some improvements | Presentation and Demo require a lot of improvements | Presentation was not ok and Demo was not working |
| Student Understanding with the Code.  **Grade:** | | Student has complete understanding how the code is working and knows the concept. | | Student has good understand but some place he does not know the concepts | Student has a very little understand and lack the major concepts. | Student does not have any level of understanding of the code. |

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| **Checked By (GA) :** | Click or tap here to enter text. |
| **Checked by (Judge) :** | Click or tap here to enter text. |