**Student Reg. No. :**  2022-CS-118  **Student Name.**  Rida Batool

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **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:** In **Binder**, **Title** Page, **Header**-Footers, Font **Style**, Font **Size** all are all consistence and according to given **guidelines**. Project **Poster** is professionally design and well presented | | | | |
| 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 **Short Description and Story Writing of Game** - **Game Characters** Description - **Rules** & Interactions - **Goal** of the Game **- Screenshot** of the Game - **Data Structures** Used in the Game - **Functions** Prototype - **Full Code** | | | | |
| Project Complexity  **Grade:** | Project has at least 1 Player and 3 enemies. Proper use of gotoxy() function. Health system, Firing System and lives decreasing system. | 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 |
| Randomness  **Grade:** | Objects are produced randomly in the game. | meet more than 80% of the criteria given. | meet more than 50% of the criteria given. | Objects are appearing in the same pattern |
| 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. |
| Idea Novelty and Creativity  **Grade:** | Idea is unique of the game | Idea is merged by combining other different games | Same idea as a previous game | Could not implement the existing game idea. |
| Data Structure (2D 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. |
| File Handling  **Grade:** | Game maze is loaded and the updated maze is stored in the file | Game maze is loaded and partial data is stored in the file. | Game maze is just loaded but the updated game configuration is not stored in the maze. | Project do not contain file handling |
| 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)- There is no global variable defined. Arrays and variables are passed as parameters to the functions. Functions exhibit single responsibility principle. | | | | |
| Screen flickering  **Grade:** | There is no Screen flickering. | Maze is not flickering but the characters are flickering at great speed | Flickering is done at lot of places | Screen is flickering at all places |
| 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. |

|  |  |
| --- | --- |
| **Checked by:** | Click or tap here to enter text. |