**INTRODUCTION**

Rock, Paper, Scissors is a game based project where in a user plays the game with computer. He has to pick one from the given three options, Rock, Paper and Scissors and so does the computer and then based on their choices the result is displayed.

**Features**

* Menu driven program.
* Played for five times in one round and the one getting maximum wins win that round.

**REQUIREMENTS**

* Functional Requirements

1. Menu-Driven program.
2. Feasible on Windows and Linux.
3. Software required-GCC compiler.
4. Language-C.

* Non Functional Requirements

1. Quick response.
2. User friendly.
3. Portable.
4. Good Performance.

**SWOT ANALYSIS**

* Strengths-1) User friendly.

2) Quick response.

* Weakness-1) Needs GCC compiler to play the game.
* Opportunities-1) Can have better utilization of memory.
* Threats-1) Security threat.

**HIGH LEVEL REQUIREMENTS**

|  |  |  |
| --- | --- | --- |
| Sr no. | Description | Status |
| 1) | A menu driven system for the user.  The computer selects the option randomly. |  |
| 2) | Computes the result |  |
| 3) | Shows the result. |  |
| 4) | Process to be repeated 5 times to finish one round. |  |

**LOW LEVEL REQUIREMENTS**

|  |  |  |
| --- | --- | --- |
| Sr no. | Description | Status |
| 1) | A header file which has all the meta data of the variables used in the program and the function prototypes.  A start menu for the user to select the option.  Then the computer selects the option using rand function.  Then testcases are involved to check whether they have chosen the values from the specified range. |  |
| 2) | Then the result is computed after the validation of inputs. |  |
| 3) | Baesd on the inputs the result is computed. |  |
| 4) | The above process is repeated for 5 times for which the win is counted and at the end the one who acquires the maximum wins win the round. |  |