Name: Roll Number: Section:

| Rubric | Marks | Self - Evaluation  **(Encircle only one option)** | Examiner’s Evaluation |
| --- | --- | --- | --- |
| **Initial Setup**   * The student downloaded the submitted folder from GCR, the student is not using Windows, the code compiled successfully. * The first two rows are populated with random alphabets. * One random alphabet is placed over the bottom shooter. * Score of the player is set to zero * Student’s name and roll number appears at the top of the canvas. | **5** | 5 / 4 / 3 / 2 / 1 / 0 | 5 / 4 / 3 / 2 / 1 / 0 |
| In the first two rows if the word has been made, for example “taken” word is made then 5 scores will be incremented and t,a,k,e,n alphabets will be burst. Five randomly generated alphabets will take the place of bursted alphabets.  Burst **maximum** **four Words only at this stage.** Remember that, you have to burst those words first that contain most alphabets. For example, if “take” and “taken” are the possibilities. Burst “Taken” instead of “take” to score maximum score. | **30** | 30 / 25 / 20 / 15 / 10 / 5 / 0 | 30 / 25 / 20 / 15 / 10 / 5 / 0 |
| Mouse click Event is working, where the mouse is clicked the slope is calculated and alphabet shoots based on the slope value. Any other linear line formula will be considered correct. But use of angles is not allowed. | 7 | 7 / 5 / 3 / 0 | 7 / 5 / 3 / 0 |
| The alphabet is reflected from the right wall, and deflected back with the same angle. | 5 | 5 / 2.5 / 0 | 5 / 2.5 / 0 |
| The alphabet is reflected from the left wall, and deflected back with the same angle. | 5 | 5 / 2.5 / 0 | 5 / 2.5 / 0 |
| When the shooted alphabet reaches at the point where no further movement is possible, i.e it collides with the some other alphabet already present on a grid. It will attach at that particular point. For example, when I shoot the alphabet first time it will get attached somewhere in the third row depending on the direction offcourse. | 5 | 5 / 2.5 / 0 | 5 / 2.5 / 0 |
| At this stage, combinations of words will be checked again just like you did rubric point # 2.   | The words are made row wise from left to right | 6 | 6 / 3 / 0 | 6 / 3 / 0 | | --- | --- | --- | --- | | The words are made column wise from top to bottom | 6 | 6 / 3 / 0 | 6 / 3 / 0 | | The words are made diagonal wise from left to right | 6 | 6 / 3 / 0 | 6 / 3 / 0 | | | | |
| The new alphabet will be placed at the shooter for the next turn. | 5 | 5 / 3 / 1.5 / 0 | 5 / 3 / 1.5 / 0 |
| All the words made are saving in a .txt file. | 5 | 5 / 4 / 3 / 2 / 1 / 0 | 5 / 4 / 3 / 2 / 1 / 0 |
| **BONUS** | | | |
| Add background music in the game. | 2 |  |  |
| The game has the timer displayed at the top, a player can play for only 150 seconds. | 1.5 |  |  |
| The use of github has been used in the project. To avail this bonus make a **PRIVATE REPOSITORY** on github. Add me ([ammarmsd0123@gmail.com](mailto:ammarmsd0123@gmail.com)) as a collaborator. Make at least 7 commits & push on github using the command line. Use of any GUI is not allowed. For every commit/push take a screenshot. Add these screenshots at the time of submission. | 3.5 |  |  |
| Honesty is always the best policy, if the student has fairly evaluated himself/ herself in all above mentioned points then bonus 1 marks will be given for honesty. | 1 | No self evaluation |  |
| Memory allocation & deallocation is done dynamically using pointers. | 3 |  |  |
| Any out of box thinking & creativity | 3 | No self evaluation |  |
| **Total Marks** | | | |
|  | 85 |  |  |