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| **Project title** | | **MAZE GAME** |
| **Group Members:**   |  |  |  | | --- | --- | --- | | **S#** | **Enrolment Number** | **Student’s name** | | 1. | 02-134202-018 | Nimra Mushtaq | | 2. | 02-134202-051 | Shahzadi Zainub Mumtaz | | 3. | 02-134202-056 | Tayyaba Imam | | | |
| **Summary of Project Proposal:** | | |
| This project is based on the design and implementation of a game called Maze Runner. Microsoft Visual C++ is used to create the game. In this game, the player must navigate a maze with three levels. Each level has a different level of difficulty, and the player must find his way through the game without colliding with any obstacles. The goal of the game is to navigate through the maze and complete the tasks required to advance to the final level. | | |
| **Project purpose/objective and Data structure implemented:** | | |
| Developing a game that incorporates data structures and algorithms is both difficult and rewarding. There are numerous data structures that can be incorporated, as well as numerous ways to programme the game. We're going to use Array to create a maze game named Maze Runner.  We will use comparison to check if the path ahead is valid If we have a possible path ahead, we will move ahead otherwise we print a message on screen as ‘Invalid move’. We can also move back and at any point, but we have only limited trials and once the trials are finished the game ends.  It will allow the user to navigate through the game and a character will indicate where the player current position is in the maze.  Maze shall also indicate the start and destination symbol.  To complete this game, you must navigate through a maze. | | |
| **Project description:** | | |
| In this game, we're going to use Array. It will have three stages, each with a different level of difficulty. The user will control the player inside the game by using the up, down, left, and right arrow keys. As the levels progress, so does the difficulty. The mazes will be both innovative and difficult. | | |
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| Project proposal approved |  | |
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