Project Update Report

Project Title: Maze Solver
Individual Task: Documentation and Testing Support
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Course Code: CSE115.4

Week 1 (Sep 21 – Sep 27)
This week I started by learning the basic parts of the C program and getting comfortable with Code::Blocks. I wrote some simple programs like printing my name and adding numbers. Our group also started thinking about what type of project we could do. After talking and sharing ideas, we agreed to do a Maze Solver project because it looked interesting and something new for us. I didn't start working on documentation yet, but I started preparing a simple note file to write down what we plan to do.

Week 2 (Sep 28 – Oct 04)
In this week, I began writing down the early project plan and keeping track of what each member would handle. I also practiced some basic codes so I could understand what the others were doing. I tested small programs like loops and conditions just to see how they work. At the same time, I started thinking about how the maze can be represented and what details should go into our report later. The main work this week was about organizing and preparing the basic layout of the project documentation.

Week 3 (Oct 05 – Oct 11)
This week, our group started building the maze display and movement logic. My job was to test the code and note down any problems that appeared. I ran the program on my computer and saw that the maze was not printing properly in the beginning. I pointed out that there were spacing issues and helped fix them by suggesting small adjustments. I also updated the documentation by writing about what progress was made in this week. It was nice to see the maze actually showing up on the screen.

Week 4 (Oct 12 – Oct 18)
In this week, I continued testing the maze layout and helped check if the movement logic was working correctly. Sometimes the maze output looked different on another computer, so I helped compare results and kept a record of it. I also added short explanations in the documentation about how the maze is stored using a 2D array. The solver was moving in a few directions, and we tested multiple times to make sure it didn't go outside the maze. I also started organizing screenshots and short notes for our final report.

Week 5 (Oct 19 – Oct 25)

This week I focused more on testing and writing updates. The maze solver was running better, so I checked if the movements stopped when hitting a wall and if the maze displayed correctly after every move. I found some issues where the maze didn't refresh properly, and after a discussion with Muhtasim, we fixed it. I also updated the report with details of the changes and added a small section about problems we faced and how we solved them.

Week 6 (Oct 26 – Nov 01)

This week I finalized the weekly progress notes and started organizing the report structure. I also helped test the combined version of the maze code that had both logic and display parts connected. The program worked properly for simple mazes but still needs more improvement for solving full paths. I updated all notes, test results, and screenshots to prepare for the next stage of documentation. Right now, I would say our project is about 45% done, and my part for testing and documentation is going well.

Summary

In these six weeks, I mainly worked on testing and writing documentation for our Maze Solver project. I helped record group discussions, code progress, and test results. I also checked the output every week and reported any issues to the coding team. I learned a lot about how programs are tested and improved step by step. The project is not fully complete yet, but the progress is good, and I will continue updating the report as we go further.