Individual Project Report

Basic Information

Project Title: Word Search Game

GitHub Repository URL: https://github.com/daniajaison13/WordSearch

Milestones with Deadlines:

Week 1: Basic grid generation and word placement algorithm implemented

Week 2: Flask integration for basic UI setup

Week 3: Category selection and difficulty levels implemented

Week 4: Integrate backend and frontend

Week 5: Final testing and bug fixing

Technologies Used:

Front-end: HTML, CSS, JS, Node

Back-end: Flask, Python

Algorithms/Al Schemes:

Grid Generation: Generate a grid of letters with rows and columns. Randomly select letters to fill the grid.

Word Placement Algorithm: Use techniques such as backtracking to strategically place hidden words. Ensure words intersect and do not conflict with each other or violate constraints.

Market Space and Selling Points:

- The application targets users of all ages who enjoy puzzle games.
- Selling points include multiple categories, varying difficulty levels, and an intuitive user interface.