

Qt Creator: Scrambler

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I. INTRODUCTION

Word games are popular because they are enjoyable and help improve problem-solving skills. A well-known example is *Wordle*, which uses simple guessing rules to engage players. However, several word games do not change in difficulty as much as the player continues. This can make the game feel less challenging and reduce the player's interest over time. This project presents a word puzzle game made using Qt Creator. The game starts with a question, clear instructions, and a timer. It has three levels of increasing difficulty. The first level gives three chances, the second level gives two, and the third level gives one. At each level, the time allowed also decreases, making the game harder as players progress. An important part of this project is the use of queues in the game design. Queues are used to manage and organize the sequence of questions in a structured design. This ensures smooth progression between levels and a system for handling game data. The goals of this project are: (1) design a simple and easy-to-use UI, (2) add a system of levels that increase difficulty, (3) apply queues that will manage the game flow and question order.

II. LITERATURE REVIEW

A. Artle – National Gallery of Art

Our game was originally inspired by Wordle from the New York Times, but we also took some inspiration from the game mechanics from the game Artle. Artle, created by the National Gallery of Art,

B. Abbreviations and Acronyms

(will be something soon).

C. Units

(will be something soon)

III. METHODOLOGY

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C. Figures and Tables

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CONCLUSION

The preferred spelling of the word “acknowledgment” in America is without an “e” after the “g”. Avoid the stilted expression “one of us (R. B. G.) thanks ...”. Instead, try “R. B. G. thanks...”. Put sponsor acknowledgments in the unnumbered footnote on the first page.

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