

Qt Creator: Scrambler

Mostakim Sifat
Computer Science
Auburn University at
Montgomery

Christopher Williams
Computer Science
Auburn University at
Montgomery

Abstract—This electronic document is a “live” template and already defines the components of your paper [title, text, heads, etc.] in its style sheet. ***CRITICAL: Do Not Use Symbols, Special Characters, Footnotes, or Math in Paper Title or Abstract. (Abstract)**

Keywords—component, formatting, style, styling, insert (key words)

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

After the text edit has been completed, the paper is ready for the template. Duplicate the template file by using the Save As command, and use the naming convention prescribed by your conference for the name of your paper. In this newly created file, highlight all of the contents and import your prepared text file. You are now ready to style your paper; use the scroll down window on the left of the MS Word Formatting toolbar.

A. Authors and Affiliations

The template is designed for, but not limited to, six authors. A minimum of one author is required for all conference articles. Author names should be listed starting from left to right and then moving down to the next line. This is the author sequence that will be used in future citations and by indexing services. Names should not be listed in columns nor group by affiliation. Please keep your affiliations as succinct as possible (for example, do not differentiate among departments of the same organization).

1) *For papers with more than six authors:* Add author names horizontally, moving to a third row if needed for more than 8 authors.

2) *For papers with less than six authors:* To change the default, adjust the template as follows.

a) *Selection:* Highlight all author and affiliation lines.

b) *Change number of columns:* Select the Columns icon from the MS Word Standard toolbar and then select the correct number of columns from the selection palette.

c) *Deletion:* Delete the author and affiliation lines for the extra authors.

B. Identify the Headings

(will have something added soon)

C. Figures and Tables

(will have something added soon)

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.

REFERENCES

The template will number citations consecutively within brackets [1]. The sentence punctuation follows the bracket [2]. Refer simply to the reference number, as in [3]—do not use “Ref. [3]” or “reference [3]” except at the beginning of a sentence: “Reference [3] was the first ...”

Number footnotes separately in superscripts. Place the actual footnote at the bottom of the column in which it was cited. Do not put footnotes in the abstract or reference list. Use letters for table footnotes.

Unless there are six authors or more give all authors’ names; do not use “et al.”. Papers that have not been published, even if they have been submitted for publication, should be cited as “unpublished” [4]. Papers that have been accepted for publication should be cited as “in press” [5]. Capitalize only the first word in a paper title, except for proper nouns and element symbols.

For papers published in translation journals, please give the English citation first, followed by the original foreign-language citation [6].

- [1] G. Eason, B. Noble, and I. N. Sneddon, “On certain integrals of Lipschitz-Hankel type involving products of Bessel functions,” *Phil. Trans. Roy. Soc. London*, vol. A247, pp. 529–551, April 1955. (*references*)
- [2] J. Clerk Maxwell, *A Treatise on Electricity and Magnetism*, 3rd ed., vol. 2. Oxford: Clarendon, 1892, pp.68–73.
- [3] I. S. Jacobs and C. P. Bean, “Fine particles, thin films and exchange anisotropy,” in *Magnetism*, vol. III, G. T. Rado and H. Suhl, Eds. New York: Academic, 1963, pp. 271–350.
- [4] K. Elissa, “Title of paper if known,” unpublished.
- [5] R. Nicole, “Title of paper with only first word capitalized,” *J. Name Stand. Abbrev.*, in press.
- [6] Y. Yorozu, M. Hirano, K. Oka, and Y. Tagawa, “Electron spectroscopy studies on magneto-optical media and plastic substrate interface,” *IEEE Transl. J. Magn. Japan*, vol. 2, pp. 740–741, August 1987 [Digests 9th Annual Conf. Magnetics Japan, p. 301, 1982].
- [7] M. Young, *The Technical Writer’s Handbook*. Mill Valley, CA: University Science, 1989.
- [8] K. Eves and J. Valasek, “Adaptive control for singularly perturbed systems examples,” *Code Ocean*, Aug. 2023. [Online]. Available: <https://codeocean.com/capsule/4989235/tree>
- [9] D. P. Kingma and M. Welling, “Auto-encoding variational Bayes,” 2013, arXiv:1312.6114. [Online]. Available: <https://arxiv.org/abs/1312.6114>
- [10] S. Liu, “Wi-Fi Energy Detection Testbed (12MTC),” 2023, gitHub repository. [Online]. Available: <https://github.com/liustone99/Wi-Fi-Energy-Detection-Testbed-12MTC>
- [11] “Treatment episode data set: discharges (TEDS-D): concatenated, 2006 to 2009.” U.S. Department of Health and Human Services, Substance Abuse and Mental Health Services Administration, Office of Applied Studies, August, 2013, DOI:10.3886/ICPSR30122.v2

IEEE conference templates contain guidance text for composing and formatting conference papers. Please ensure that all template text is removed from your conference paper prior to submission to the conference. Failure to remove template text from your paper may result in your paper not being published.