Bil 372

Covid-19 management center project

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Abstract

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In this paper, the layout and application of a Covid-19 database management system will be examined thoroughly, from the front-end to the back-end of development. This system’s aim is to allow healthcare workers to update and have access to a synchronized database where necessary information regarding each patient is stored

### Nomenclature

A radius of

B position of

### C further nomenclature continues down the page inside the text box

* 1. Front End

To implement this project’s front end design, the team used a series of HTML forms supported by CSS to construct a series of forms for the user, depending on their rank, to insert new possible cases, update said possible cases, turn the possible cases into actual patients, update their status and add new locations where necessary.

* 1. Back End

The project’s back end design was created through use of Python Flask and SQLAlchemy. Python Flask was used to create links to the pages containing the specific HTML forms discussed above and pass these forms’ contents to select SQLAlchemy statements that updated the database.

Table 1. An example of a table

|  |  |  |
| --- | --- | --- |
| An example of a column heading | Column A (*t*) | Column B (*T*) |
| And an entry | 1 | 2 |
| And another entry | 3 | 4 |
| And another entry | 5 | 6 |

* 1. Construction of references

References should be added at the end of the paper, and its corresponding citation will be added in the order of their appearance in the text. Authors should ensure that every reference in the text appears in the list of references and vice versa. Indicate references by Clark et al., 1962 or Deal and Grove, 2009 or Fachinger, 2006 in the text. The actual authors can be referred to, but the reference citation(s) must always be given.

Some examples of how your references should be listed are given at the end of this template in the ‘References’ section, which will allow you to assemble your reference list according to the correct format and font size.

* 1. Section headings

Section headings should be left justified, with the first letter capitalized and numbered consecutively, starting with the Introduction. Sub-section headings should be in capital and lower-case italic letters, numbered 1.1, 1.2, etc, and left justified, with second and subsequent lines indented. You may need to insert a page break to keep a heading with its text.

* 1. General guidelines for the preparation of your text

Avoid hyphenation at the end of a line. Symbols denoting vectors and matrices should be indicated in bold type. Scalar variable names should normally be expressed using italics. Weights and measures should be expressed in SI units. Please title your files in this order conferenceacrynom\_authorslastname.pdf

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Footnotes should be avoided if possible. Necessary footnotes should be denoted in the text by consecutive superscript letters. The footnotes should be typed single spaced, and in smaller type size (8pt), at the foot of the page in which they are mentioned, and separated from the main text by a short line extending at the foot of the column. The ‘Els-footnote’ style is available in this template for the text of the footnote.

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All figures should be numbered with Arabic numerals (1,2,...n). All photographs, schemas, graphs and diagrams are to be referred to as figures. Line drawings should be good quality scans or true electronic output. Low-quality scans are not acceptable. Figures must be embedded into the text and not supplied separately. Lettering and symbols should be clearly defined either in the caption or in a legend provided as part of the figure. Figures should be placed at the top or bottom of a page wherever possible, as close as possible to the first reference to them in the paper.

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Fig. 1. (a) first picture; (b) second picture

Equations and formulae should be typed and numbered consecutively with Arabic numerals in parentheses on the right hand side of the page (if referred to explicitly in the text),

 (1)

They should also be separated from the surrounding text by one space.

Acknowledgements

These and the Reference headings are in bold but have no numbers. Text below continues as normal.

References

1. An example appendix

Authors including an appendix section should do so after References section. Multiple appendices should all have headings in the style used above. They will automatically be ordered A, B, C etc.

* 1. Example of a sub-heading within an appendix

There is also the option to include a subheading within the Appendix if you wish.