The title of your report goes here!

Full names of report authors / group participants in alphabetical order

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# Abstract

In writing up your report, follow this template exactly. Your report will be compiled into the database design class proceedings. Future students will learn from your work. In the abstract, provide a summary overview of your project, its goals and accomplishments.

# Introduction

Summarize your project goals. Explain the motivation and significance of your project. Outline the main features or use cases.

# Database Design

Present and describe your database design. Include a figure with your ER Diagram / Conceptual Model. Explain the *key* entities and their relationships. Use the MySQL modeling tool to create your model. Make sure the image of the model is fully readable: the entities should be neatly laid out and all relationships should be fully visible. We’ll assess the quality of your design and its effectiveness in addressing your project requirements.

# Data Sources and Methods

Explain step-by-step how you acquired your data. Document all data sources. Use numbered citations like this [1] or like this [2, 3] and list any references at the end of your report following a consistent style. Describe any work you did to modify or clean the data prior to being loaded into the database. If you made up your data as part of an application prototype document any assumptions that may have been built into the data-generation process. Provide sufficient detail so that the reader could, in theory, fully reproduce your results.

# User Cases

List specific non-trivial questions that users could ask of your database. Summarize the question in English, provide a corresponding SQL query, and display your tabular output. Where appropriate, you should supplement your tabular output with charts, graphs, or other types of visualizations in order to better convey key insights.

# Conclusions

Summarize the results of your project. Be concrete about your accomplishments as well as the limitations of your work.

# Author Contributions

If you worked in a team, describe how each member of your group contributed to the success of your project. There are many ways to make meaningful contributions to a project. I don’t expect each person to contribute to each aspect of the project. One person may have been more focused on database design while another performed the bulk of the data cleaning operations.

# References

1. Adibuzzaman, M., et al., *Big data in healthcare - the promises, challenges and opportunities from a research perspective: A case study with a model database.* AMIA Annu Symp Proc, 2017. **2017**: p. 384-392.

2. Murthy S., A.R., Goodwin R., Keskinocak P. Rachlin J., Wu F., Yeh J., Fuhrer R., Kumaran S., Aggarwal A., Sturzenbecker M., Jayaraman R., Daigle R., *Cooperative Multiobjective Decision Support for the Paper Industry.* Interfaces, 1999. **29**(5): p. 5-30.

3. Rachlin, J., et al., *Biological context networks: a mosaic view of the interactome.* Mol Syst Biol, 2006. **2**: p. 66.