The title for your project.

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Abstract—
Abstract goes here

1 Introduction

The real world scene is that coursework contents can be related, making one course as the prerequisite of the other will help students better learn knowledge and obtain better grades. Academic advisor, for example, deals with these issues a lot. While some course dependency have already been explicitly annotated in practice, more remain unclear and potential. We'd like to design a visualization view to group related courses in clusters based on student enrollment history, and another view to show correlations between the discrete grades of student enrolled in two related courses.

The aims of this research are:

- provide a tool to visualize coursework contents similarity based on student membership.
- study ordering of neighbours in the node-link diagram to highlight interesting neighbours.
- study representation of correlations between students' grades in two classes.

2 Background

Expand on the background work if necessary to adequately describe the problem.

2.1 Related Work

Discuss the work related to your project – include both visualization and domain-specific references to the problem you're trying to solve.

For example, if my work has to do with Perfopticon [3] or comparing request flows [5], I would want to cite them. ACM Digital Library makes it easy to get bib files for proposal.bib and there are guides online for citing books [6], theses [1], journal articles [2], and conference proceedings [4].

3 Proposed Work

Describe your proposed work here. You may refer to other sections so as not to repeat yourself – for example, referencing Section 2.

You may want to use figures to illustrate your point, such as Figure 1.

3.1 Data

Describe the data and your access to it here.

3.2 Evaluation

Describe your plan for evaluating your work, even if it does not fit in the timeframe of this project. Without time constraints, what would you? Do you have the resources (people, time, equipment, data, money) to implement this plan in the future?

- *Your Name is a graduate student at the University of Arizona. E-mail:[your NetID]@email.arizona.edu.*

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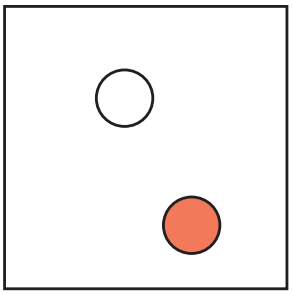

Fig. 1. Figure illustrating some proposed desgins.

3.3 Timeline

Set up milestones for your project and summarize in Table 1.

Table 1. Project Milestones

Date	Milestone (%)
Sep 30	Interviews conducted, initial task abstractions
Oct 2	Five datasets uploaded
Oct 7	Initial design sketches
Oct 14	Paper prototypes of 3 initial designs
Oct 21	Wireframe of central design
Nov 7	Initial prototype of design

4 Impacts

Summarize the impact completing this work will have. This ties into why the work is important. What would be possible if this work was completed?

References

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[3] D. Moritz, D. Halperin, B. Howe, and J. Heer. Perfopticon: Visual query analysis for distributed databases. In *Proceedings of the 2015 Eurographics Conference on Visualization*, EuroVis '15, pp. 71–80. Eurographics Association, Aire-la-Ville, Switzerland, Switzerland, 2015. doi: 10.1111/cgf.12619

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