

**A COLLABORATIVE
RESEARCH REVIEW
PLATFORM FOR ENHANCING
PROJECT QUALITY IN
UNIVERSITIES IN ZIMBABWE**

BY

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INTRODUCTION

- ▶ project recycling at Institutions of Higher Education.
- ▶ Reduced creativity by researchers.
- ▶ High cases of plagiarism.
- ▶ Reviewing process effectiveness questionable.
- ▶ Lack of a standardized framework for software projects countrywide.
- ▶ No centralized repository.



OBJECTIVES

- To create a platform which provides a discussion forum to enhance collaboration and review.
- To create a centralized project repository and allow rating of research work.
- To propose a national software project framework for universities in Zimbabwe.



JUSTIFICATION

- ▶ Interactive and reference platform for students.
- ▶ Students can post and review projects at a university.
- ▶ Better supervision and evaluation platform.



RELATED WORK

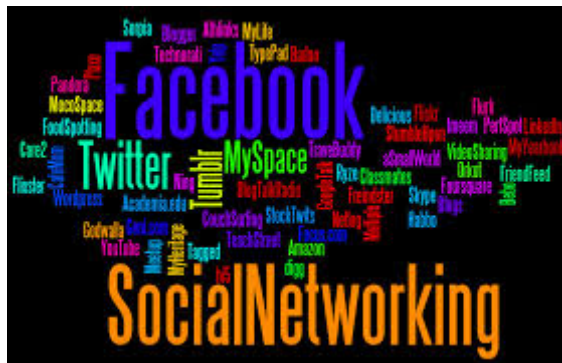


- Computer conferencing, computer based instruction, electronic distance learning systems [6],
- Development of the Internet and WWW have spearheaded virtual schools formulation [6].



PARADIGM SHIFT (SDEs)

- Social programmer [4]
- Creation and discussion of technologies.
- Formation of ecosystems around content, technology, media, and developers.



- ECLIPSE-based platform [2]
- CPECAEE platform [3]





ANALYSIS

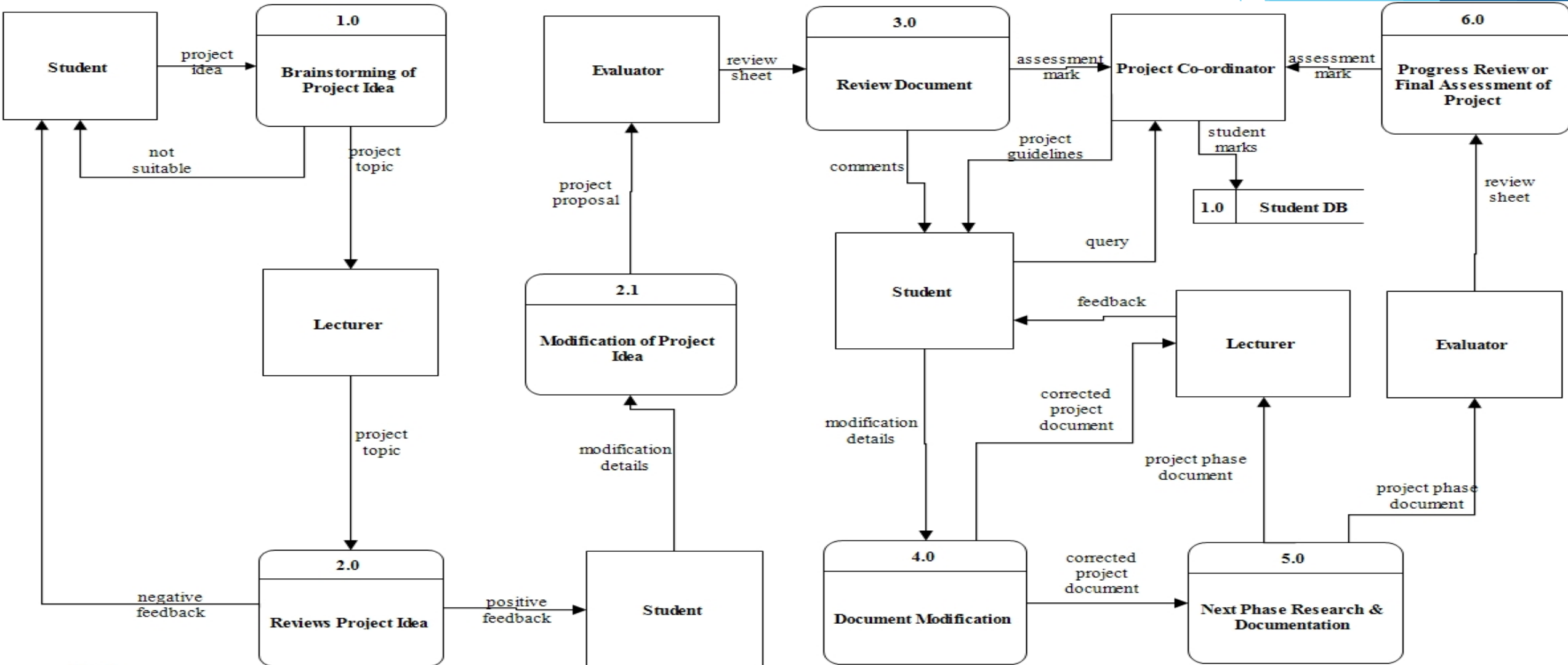


Fig 1 : CURRENT SYSTEM DFD

ANALYSIS

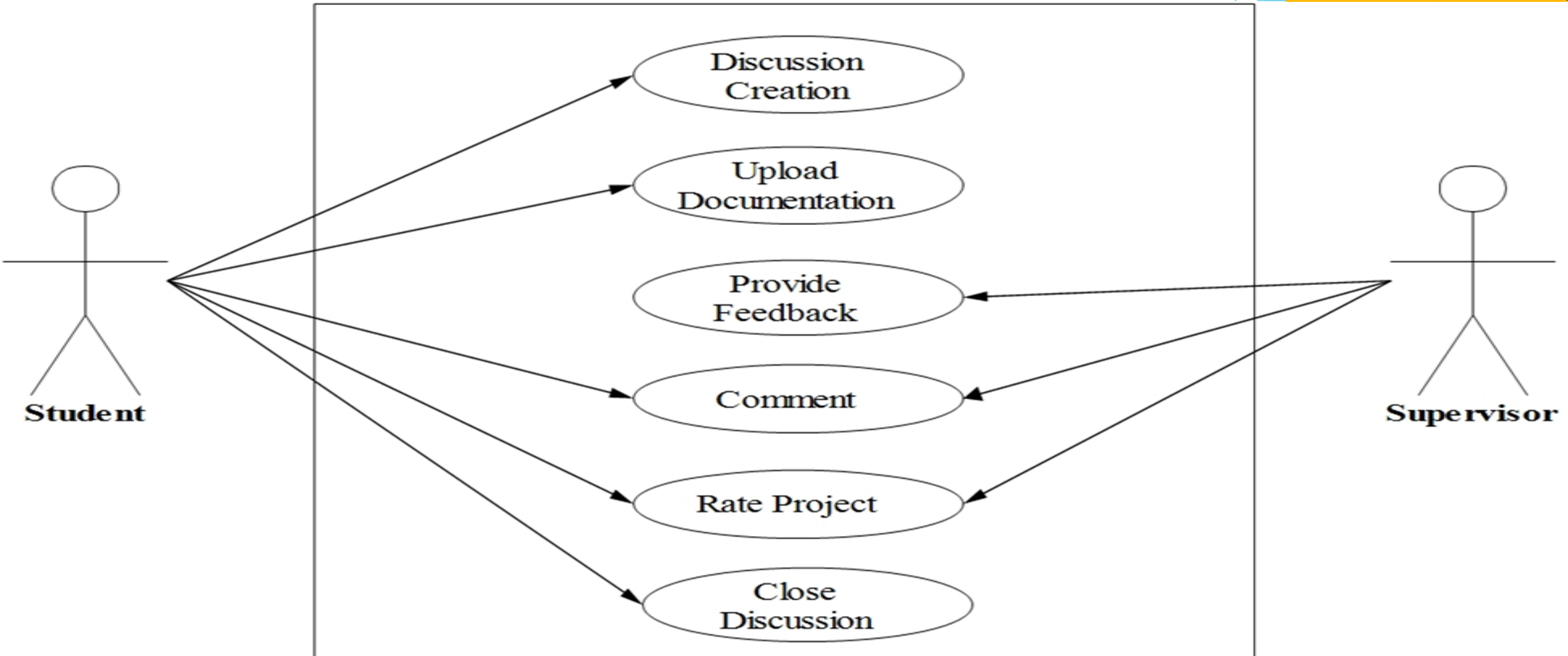


Fig 2 : Use Case Scenario 1

ANALYSIS

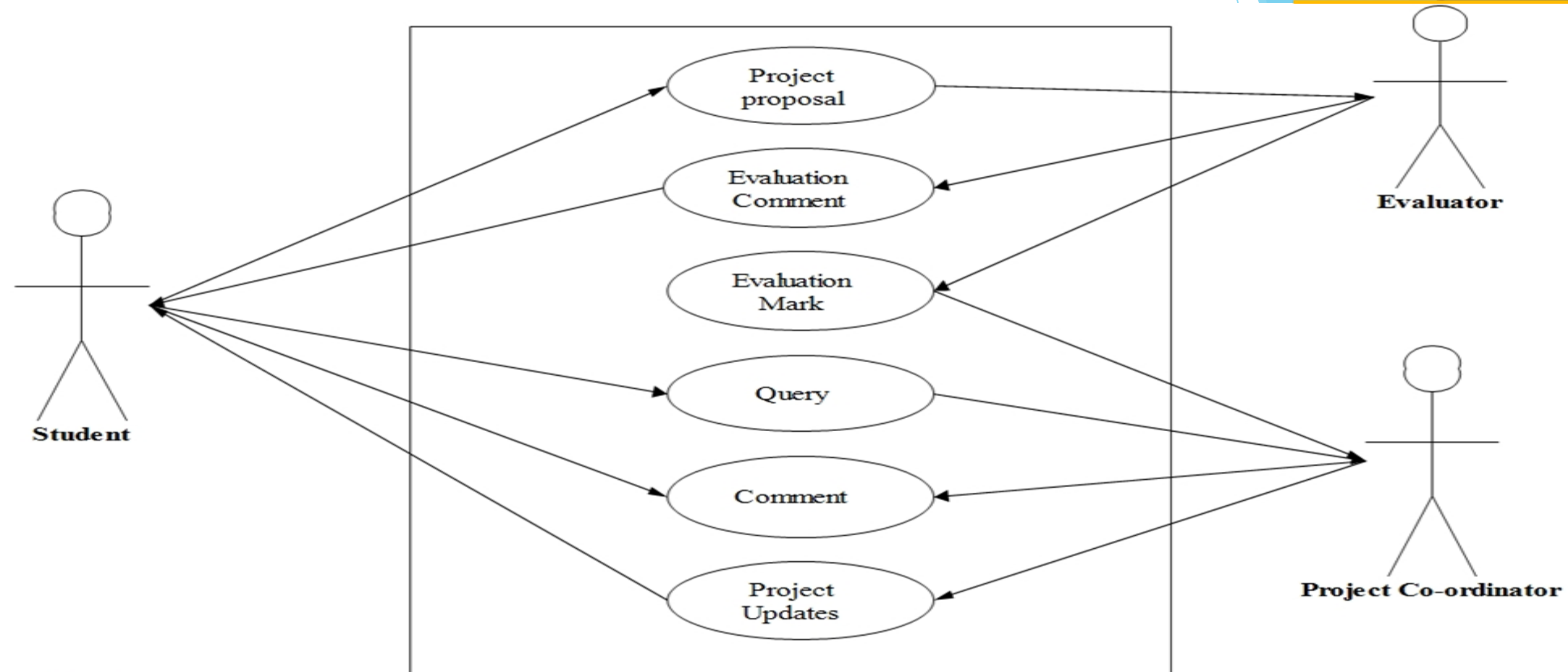


Fig 3 : Use Case Scenario 2

PROPOSED SOLUTION

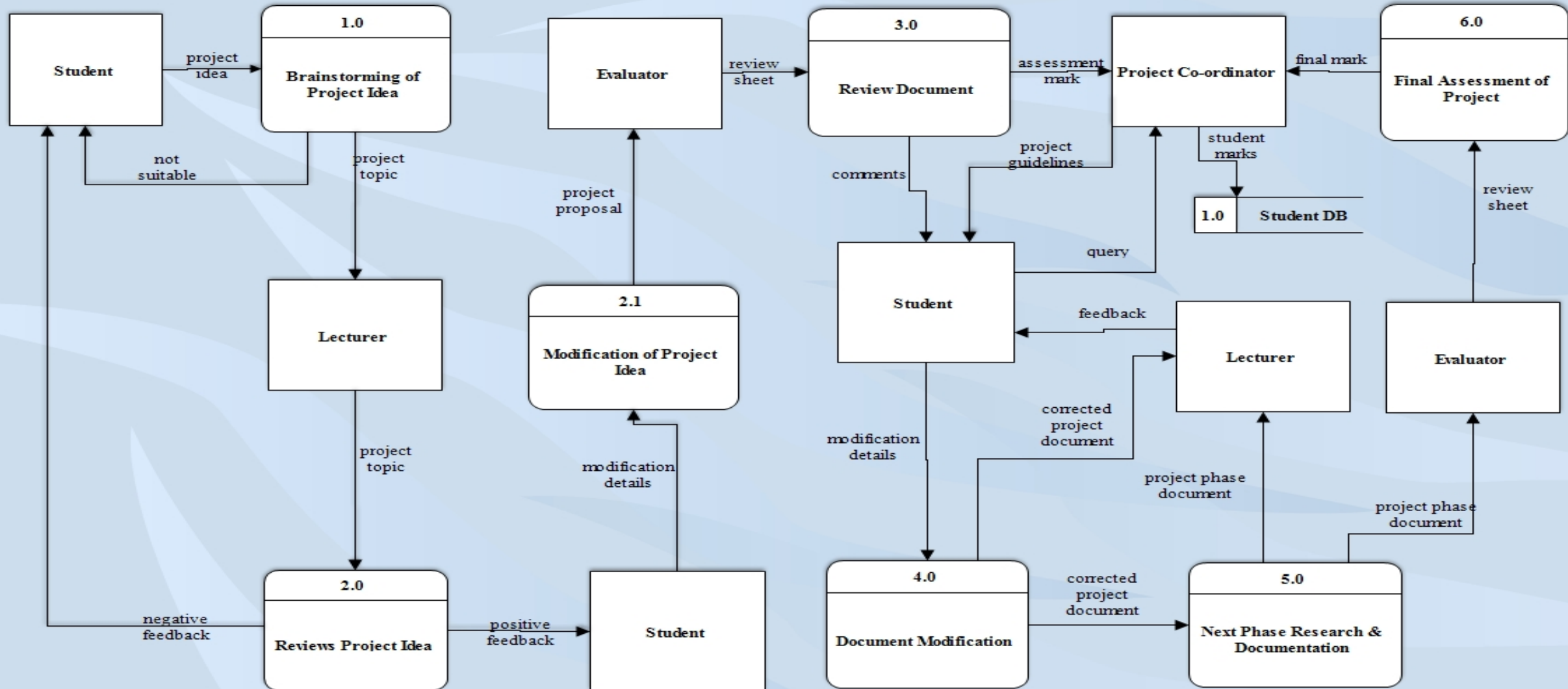


Fig 4 : Proposed Solution DFD

PROPOSED SOLUTION

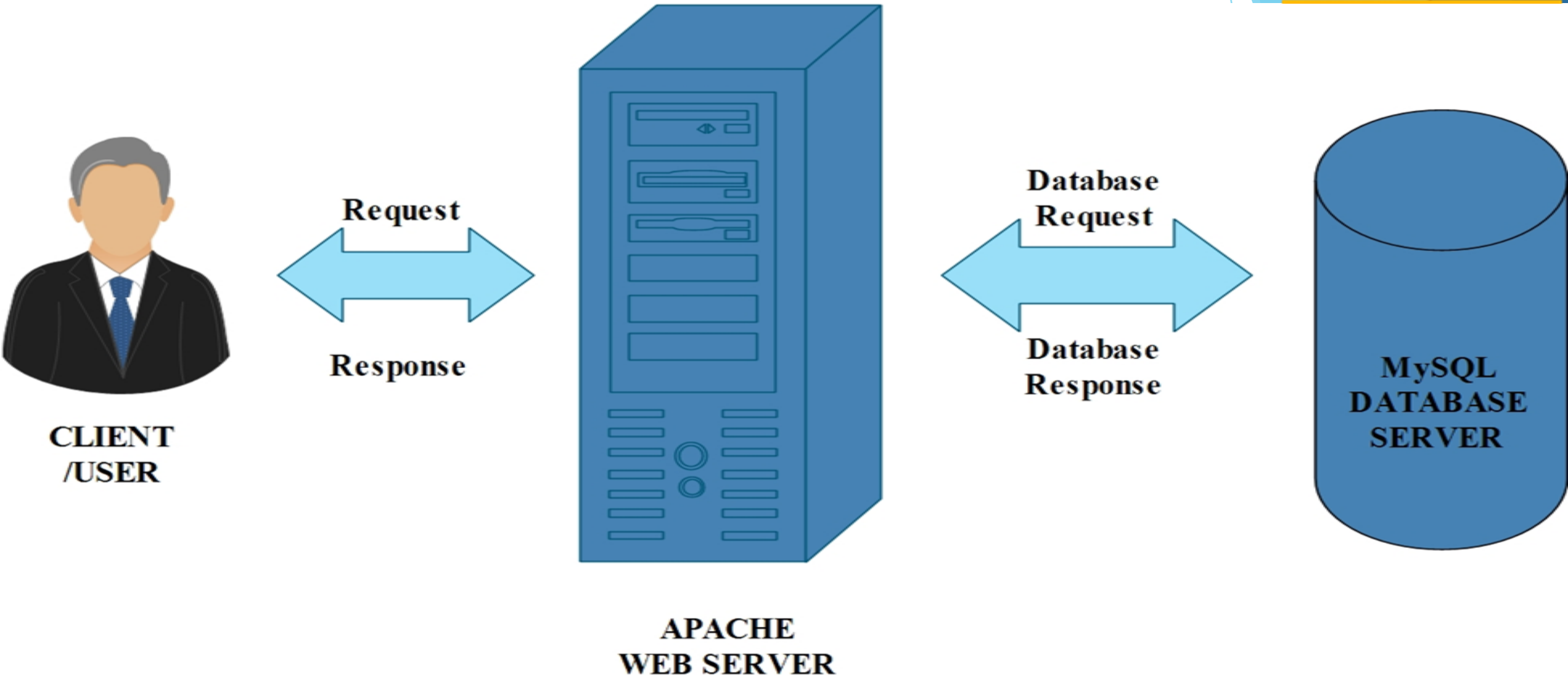


Fig 5 : Architectural Design

PROPOSED SOLUTION

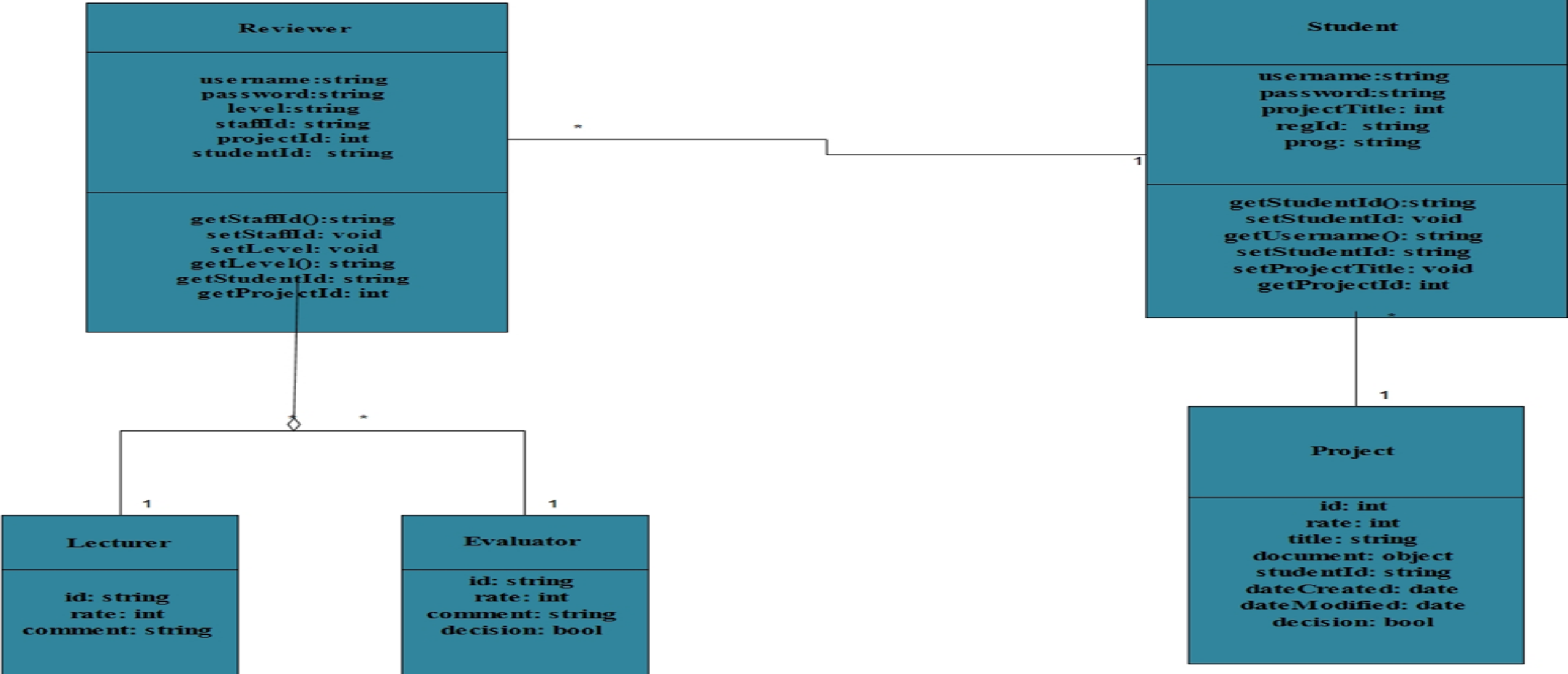


Fig 6 : Module Design

CONCLUSION

- ▶ Reduced evaluation bias.
- ▶ More effective and efficient communication channel.
- ▶ Improved software project quality.
- ▶ Enhanced collaboration.
- ▶ Centralized repository.



RECOMMENDATION AND FUTURE WORK

- ▶ Creating an automated review platform like Viper and Turnitin Software using custom made parameters.
- ▶ Enhanced security check and data centric encryption on document upload.
- ▶ Support for other multimedia uploads.



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ASANTE

ANY QUESTIONS?

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