

SEATGEN



GUIDE : MS . ANAGHA K J

CONTENTS

INTRODUCTION

MODULES

DFD
&
ER

FUTURE
ENHANCEMENT

CONCLUSION

INTRODUCTION

“SEATGEN” is a web based application and is mainly built to reduce the issues faced by the students during the allocation of seats. The main purpose of this project is to make the job of assigning seats for the students easy.

In existing system, a dedicated person is required to assign seats for all the students writing exam which may require a lot of paperwork and also may be inefficient.

In this application the student can see their allocated class room and their allotted seats by logging in using Student Id and also the teachers too by entering Teacher's Id, the teachers can also take the attendance using this application which make it more easy for them and also the Exam cell can generate report from it.

We believe that this project will be very helpful for the students to find their seating arrangement easily and also this may reduce the chances of students cheating during the exam due to change in allocation. It will also helps the Exam cell reduce their hectic job of assigning each student their seats and by the introduction of this application it may decrease a large amount of paperwork and also more efficient.

MODULES

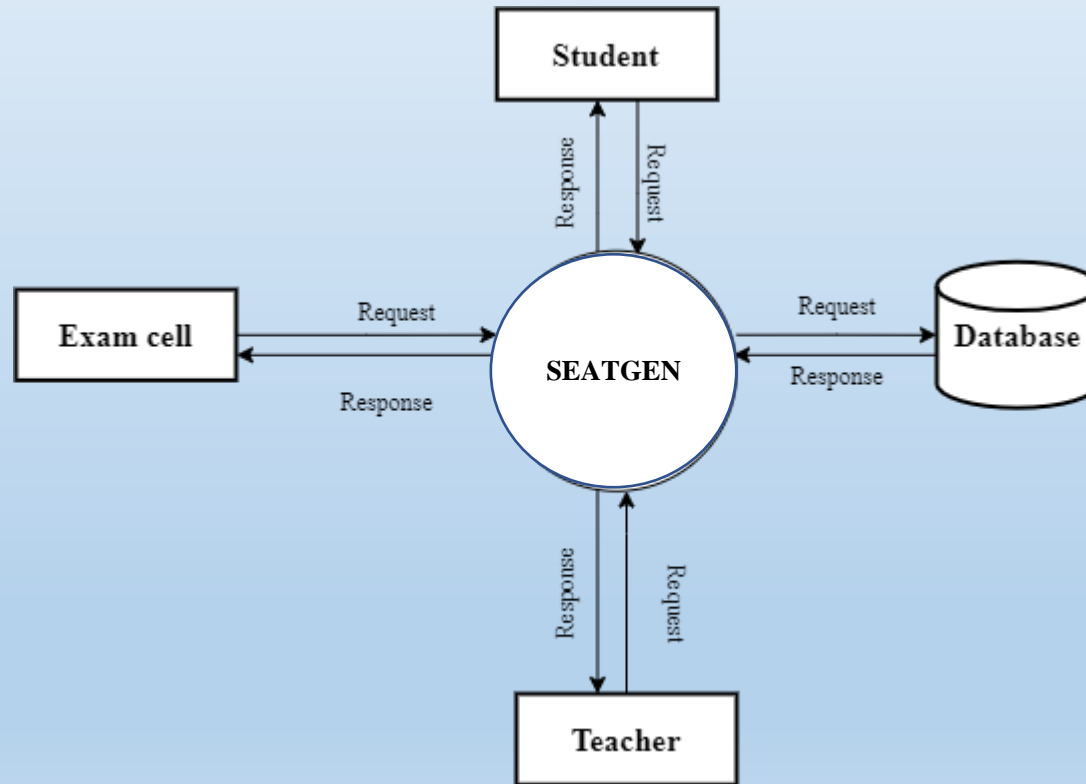
Exam Cell Module: Exam Cell is the main module in this project which can facilitate the management of students of which the students can login and see the allocation and this module can also manage course, classes, subject and exam of the students and also can generate report and this module also helps the teacher to find their allocated class for the exam.

Student Module: Student is another module of this project. In this student can login using Student Id and can search the allocation of the classroom where the exam takes place

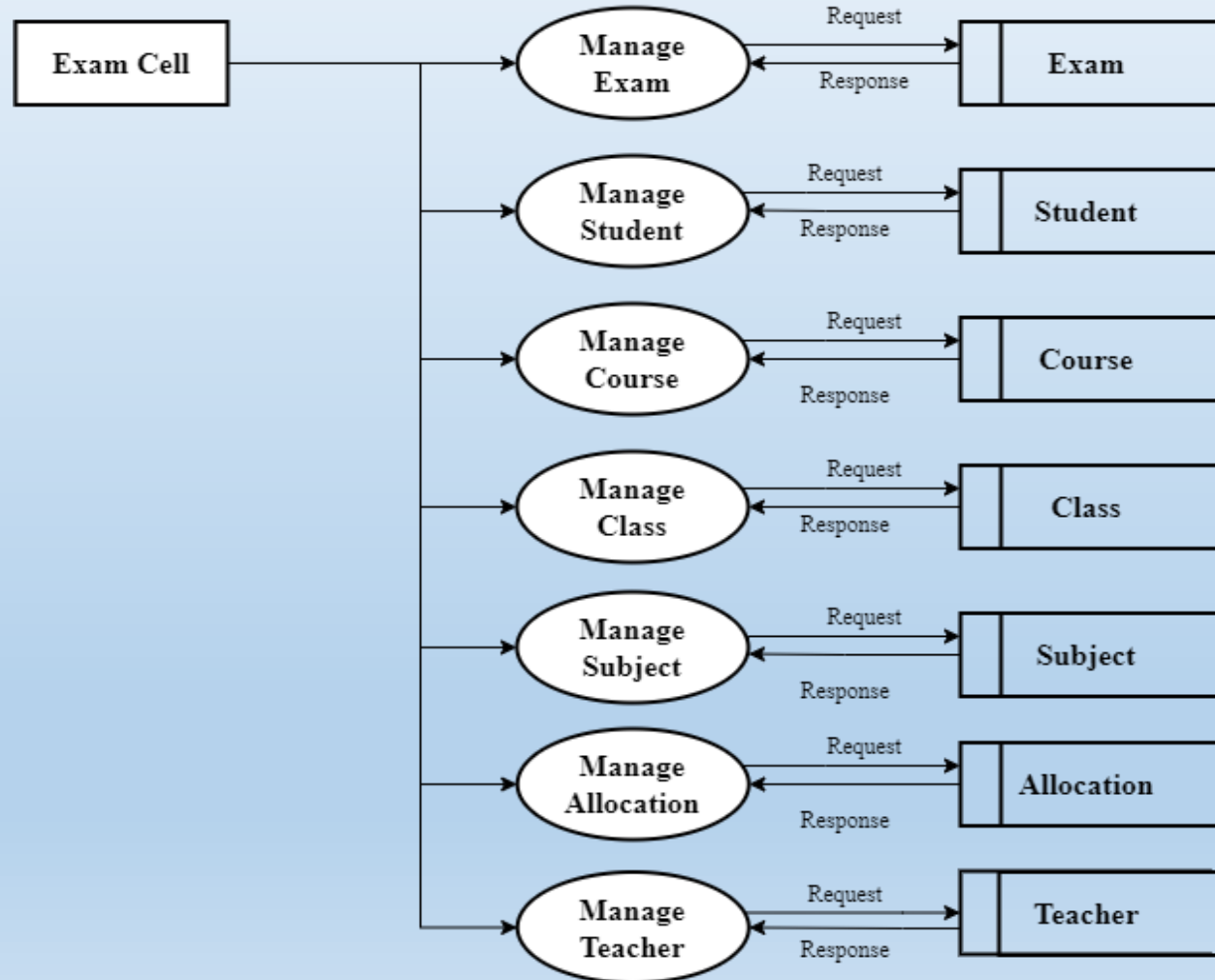
Teacher Module: Teacher is another module of this project. In this the Teacher can see the allocation of the students and also their allocated classes. They can also mark the attendance of students.

Data Flow Diagrams

LEVEL 0 DFD:



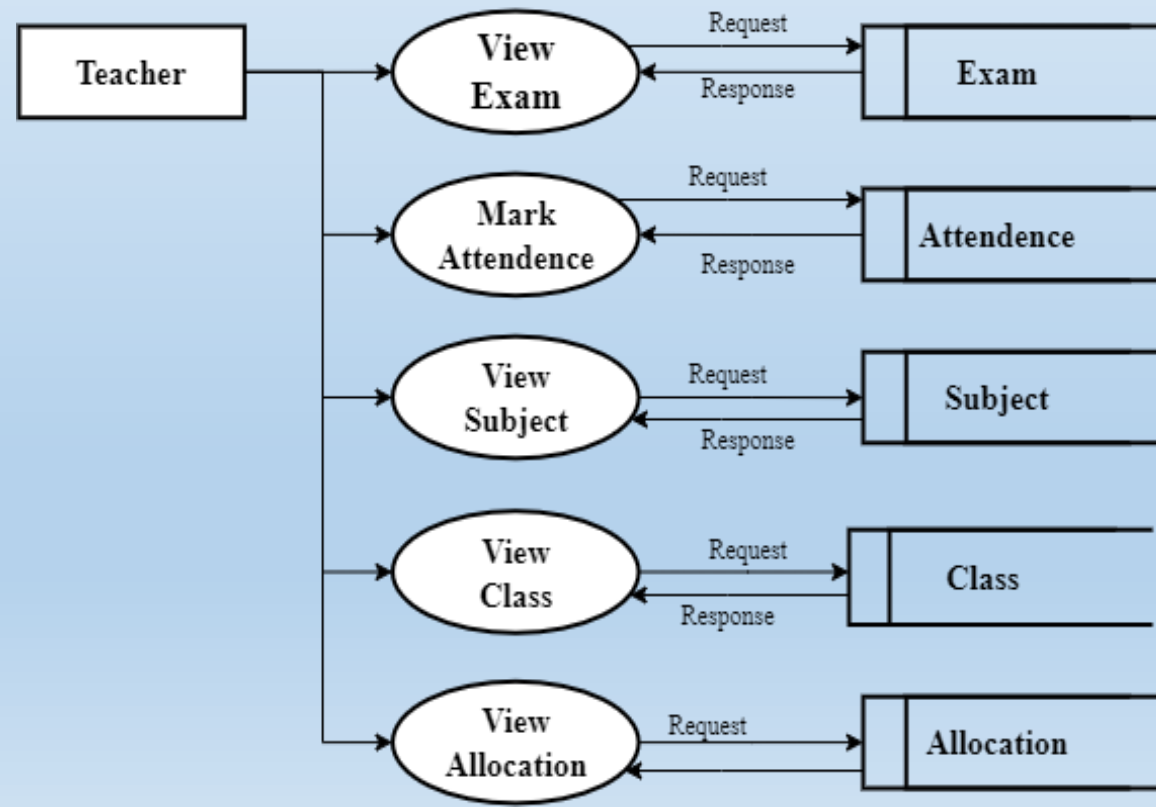
LEVEL 1 DFD: EXAM CELL



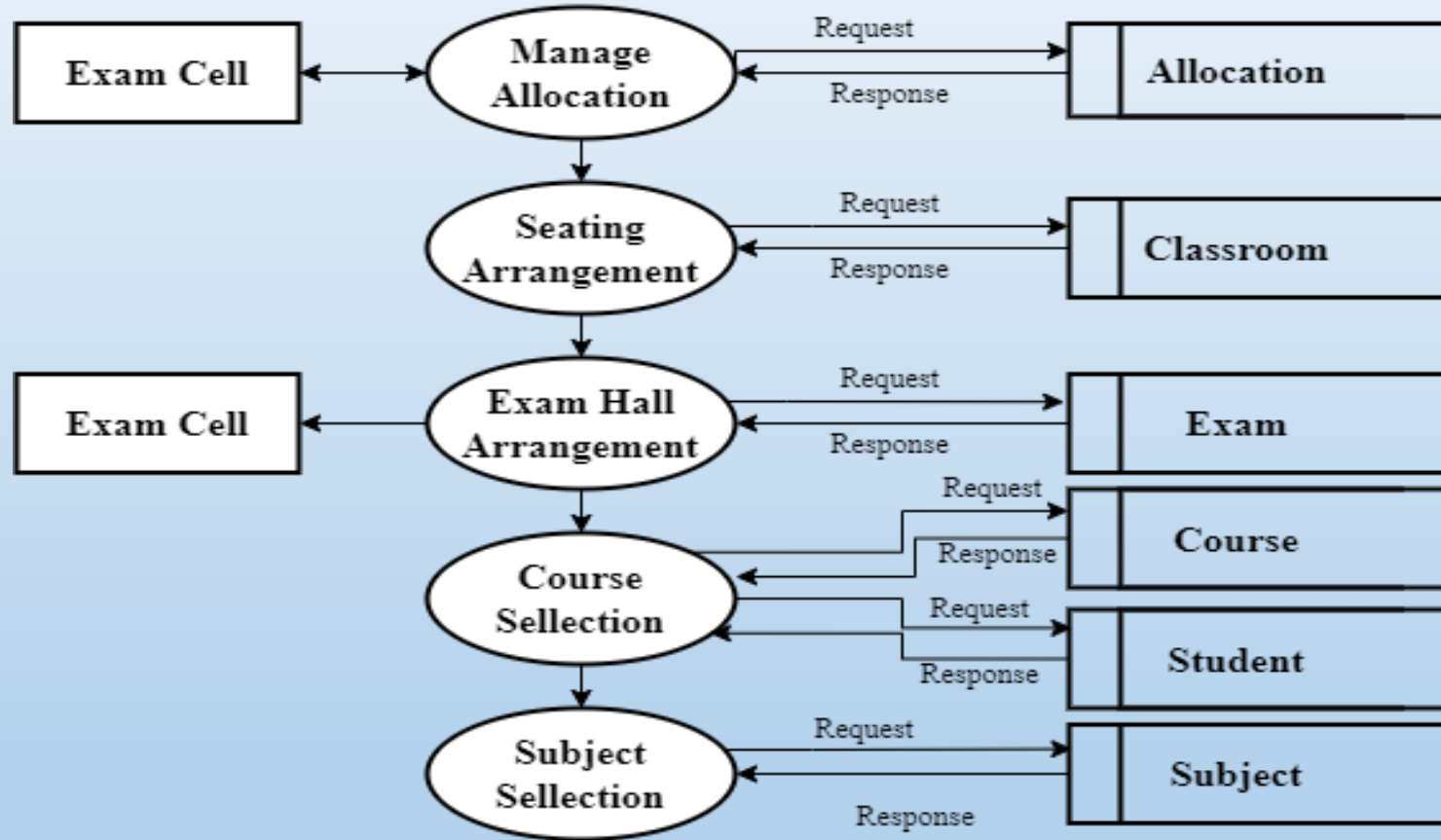
LEVEL 1 DFD: STUDENT



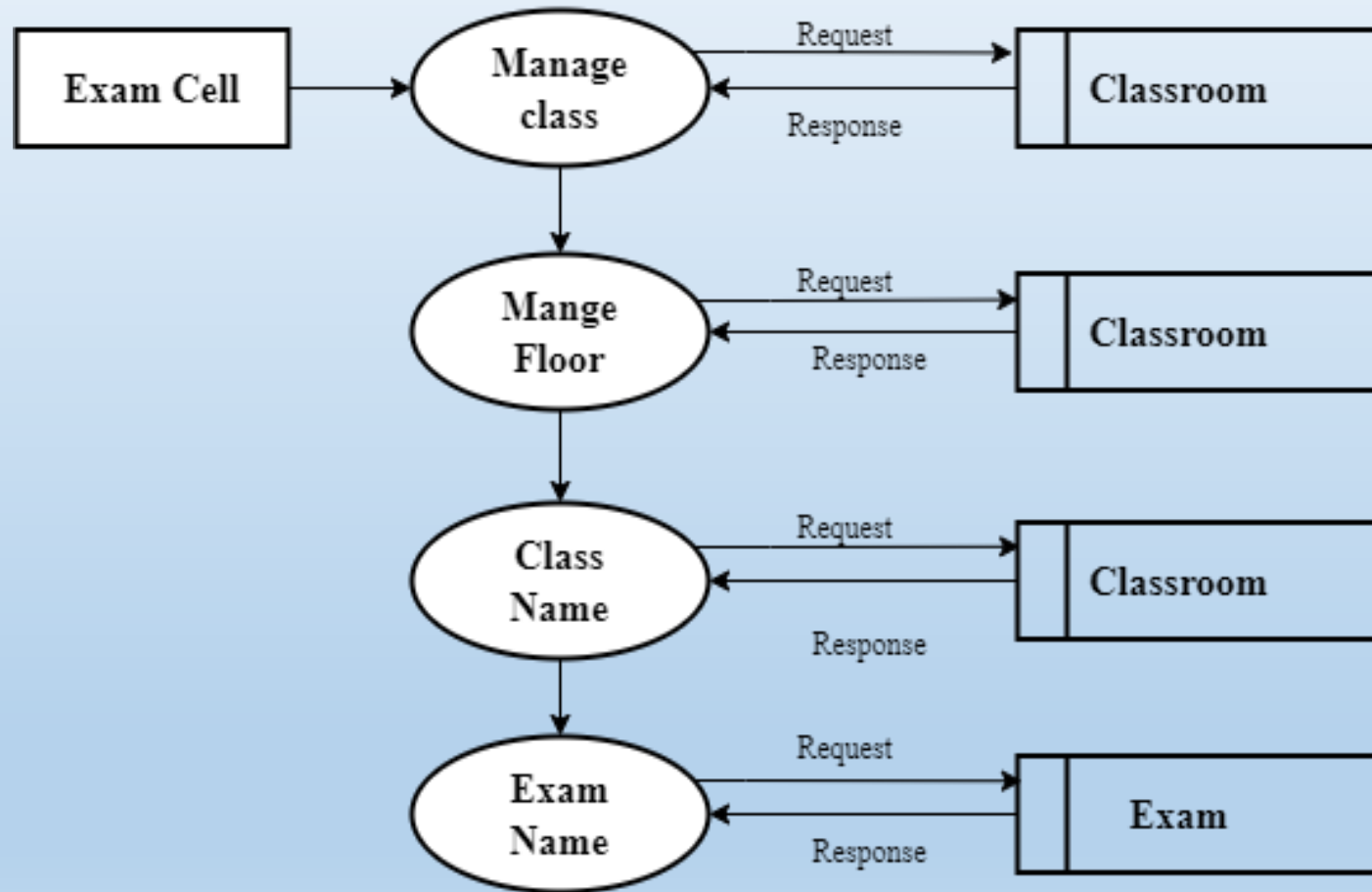
LEVEL 1 DFD: TEACHER



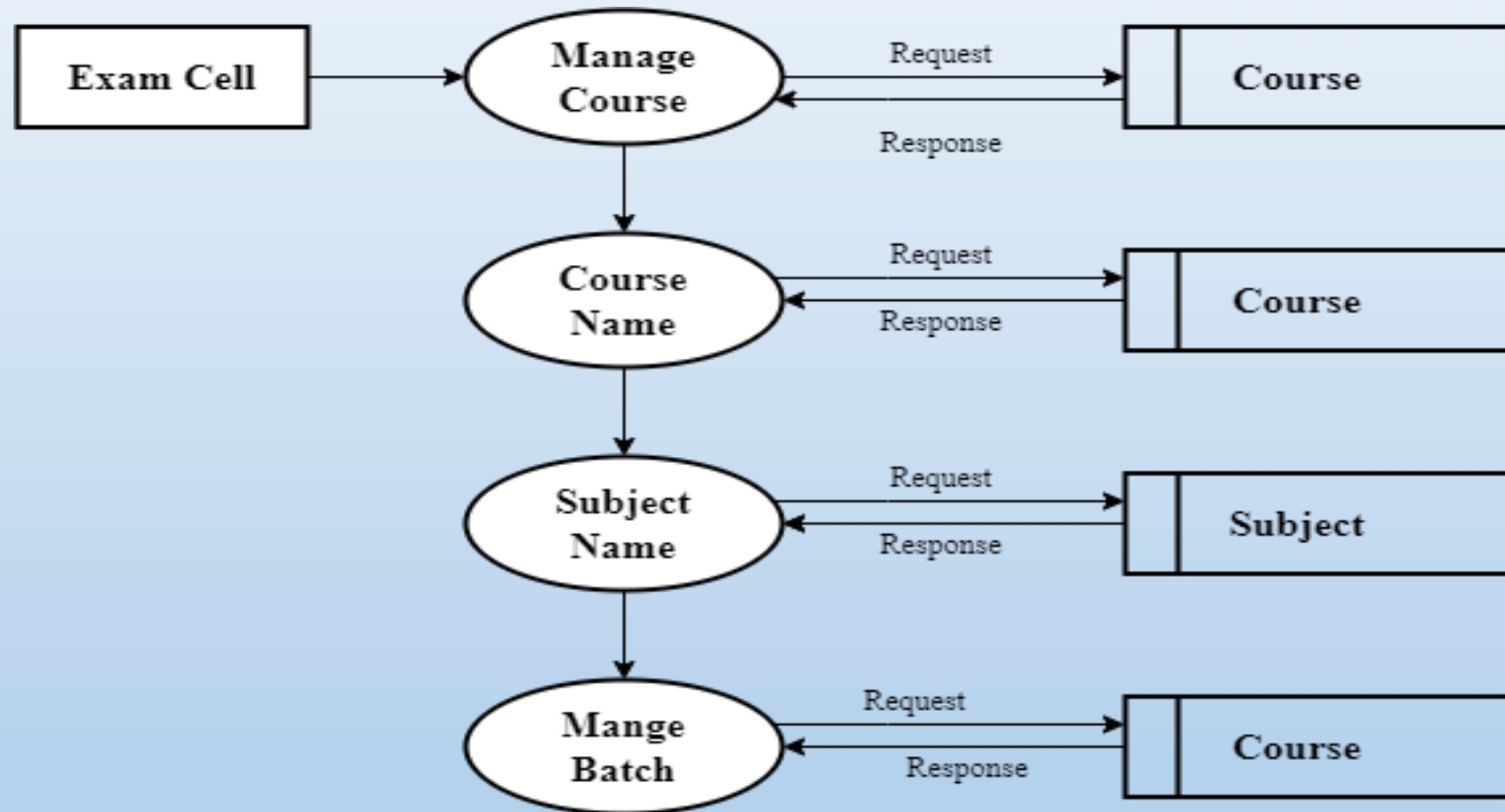
LEVEL 2 DFD : EXAM CELL



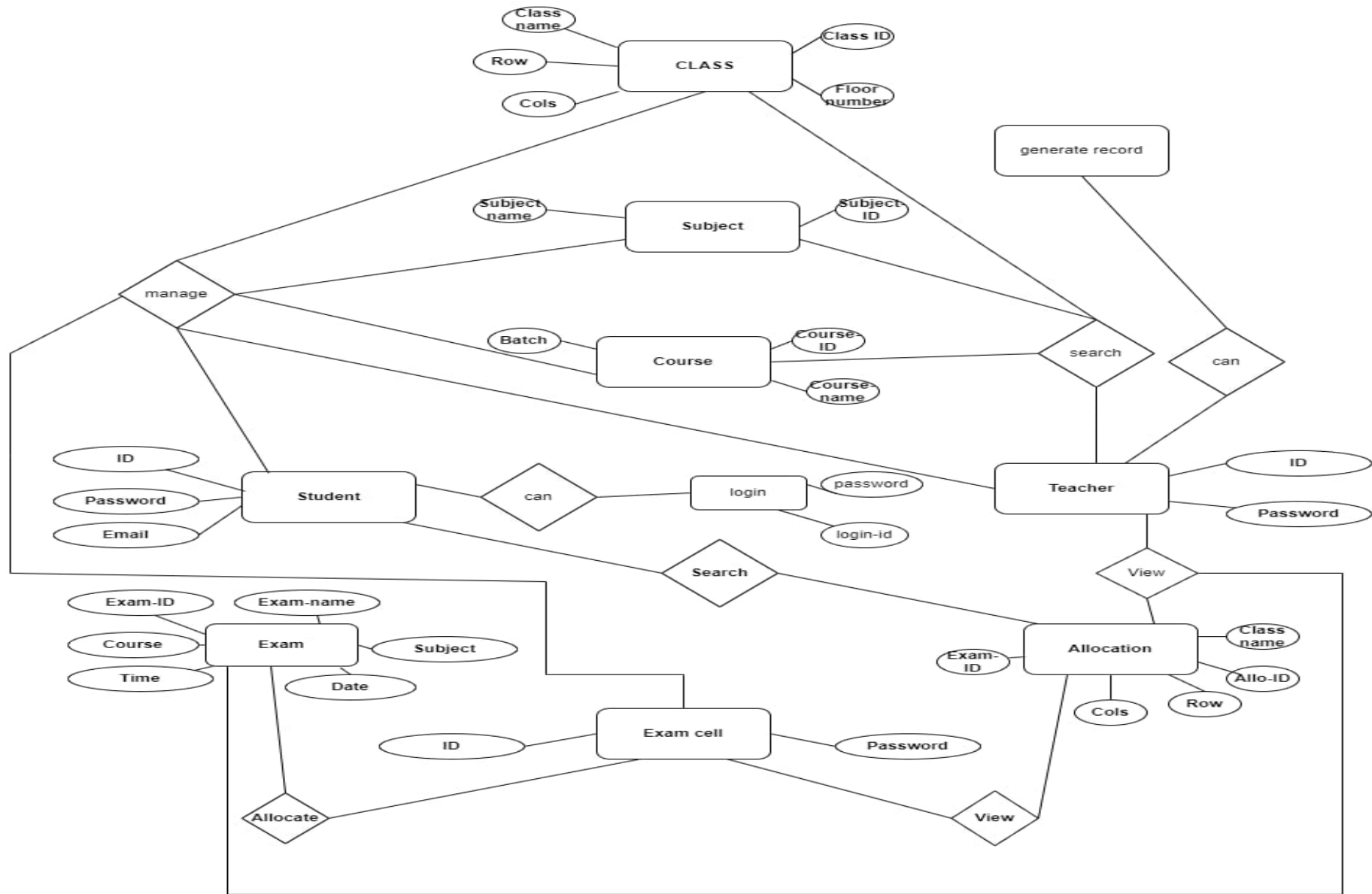
LEVEL 2.1 DFD: EXAM CELL



LEVEL 2.2 DFD: EXAM CELL



ENTITY-RELATIONSHIP (ER) DIAGRAM



FUTURE ENHANCEMENTS

Today the growth of IT industry has been phenomenal. New advanced features are being introduced day by day. As a future enhancement we would like to add a feature of machine learning in this application.

Now the attendance of the student will be taken by the teacher using a button. As a future advancement we would like to add an AI camera in the classroom so that through face detection we can identify the students present for the exam and the rest will be marked as absent and the generated report can be directly accessed by the exam cell without the help of the teachers, making the role easy.

CONCLUSION

This application is great advantage to all the educational institutes as it is simplifying the seating arrangement by automatically generating the seats for the students, room allocation for the staff.

This Project results in reduction of manpower and workload on students and staff. It benefits all the education institutes by reducing the complexity involved while allocating the exam duty for the staff and examination rooms for the students. Data can be accessed anytime as it is stored in centralized database.

We hope this application can make a new change in the upcoming years making a new doorway to upgradation of our existing educational practices and system. We also look forward to make the lives of our future generation easy.