SCHOLARSHIP MANAGEMENT SYSTEM

AGENDA

- ABSTRACT
- INTRODUCTION
- LITERATURE SURVEY
- SYSTEM REQUIREMENTS
- SYSTEM DESIGN
- DATABASE DESIGN
- CONCLUSION

ABSTRACT

- Scholarship is a critical tool to facilitate education for eligible students.

- Al-Ameen Scholarship Trust processes large amount of scholarship applications every year.

- Hence, an e-Scholarship System was designed and implemented in order to allow students apply for scholarship online with the Al-Ameen Scholarship Trust.

- The system was designed Using AGILE methodology.

- The E-scholarship system provides online application solutions that save time, and sends notifications using emails on the progress of application in a timely and transparent manner.

INTRODUCTION

The aim of the project is to create a self-sufficient website where the student can apply scholarship online and have their details provided to the scholarship authority in a efficient manner and so which in turn helps proceeding with sanctioning the requested scholarship.

MODULE DESCRIPTION

- Admin Module
- Form Module
- Student Module
- Status Module
- Verfication Module

LITERATURE SURVEY

- A literature survey is the various analysis and research made in the field of your interest and the results already published, taking into account the various parameters of the project and the extent of the project.

- The use of Internet has been extremely fast since it can be accessed almost anywhere by numerous means.

- The scholarship is a form of financial assistance that does not require repayment or employment.

- This is more true for the students who are attending their colleges.

- The amount sanctioned can be part of their fee or the entire cost of the education.

- Scholarship is provided to students who:
    I. Show potential for distinction
    II. Show certain characteristics important to scholarship provider(religion, ethnicity, community, etc)
- There have been certain scholarship schemes where the students avail the money based on their performance based on their previous academic scores
- Whereas certain scholarship requires the students to take part in test/exams for the sanctioning of scholarship.
- Survey suggests that online scholarship makes students more aware towards the information on the scholarship and also make application process easy.

SYSTEM REQUIREMENTS

SOFTWARE REQUIREMENT

- Microsoft Visual Studio 2022

- Microsoft SQL server 2019

- Browsers like Chrome, Firefox, etc

- Windows 10 or above(64-bit)

SYSTEM DESIGN

      A UML diagram is a diagram based on the UML (Unified Modeling Language) with the purpose of visually representing a system along with its main actors, roles, actions, artifacts or classes, in order to better understand, alter, maintain, or document information about the system.
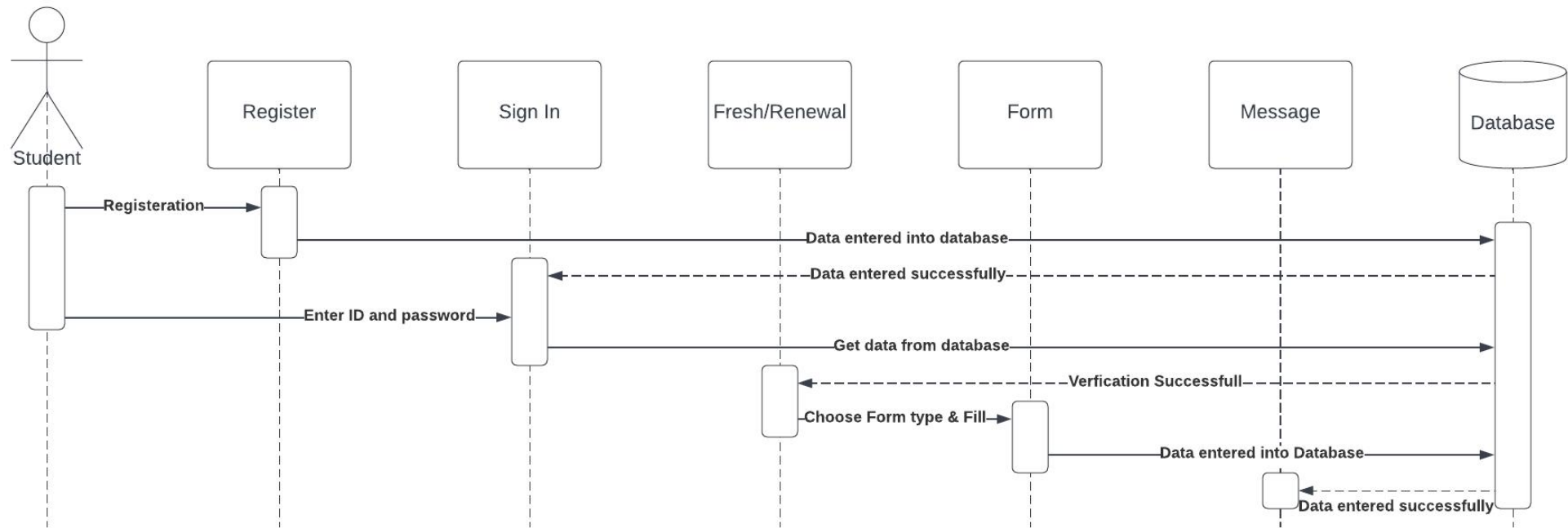
UML DIAGRAMS

- Use-Case diagram

- Sequence diagram

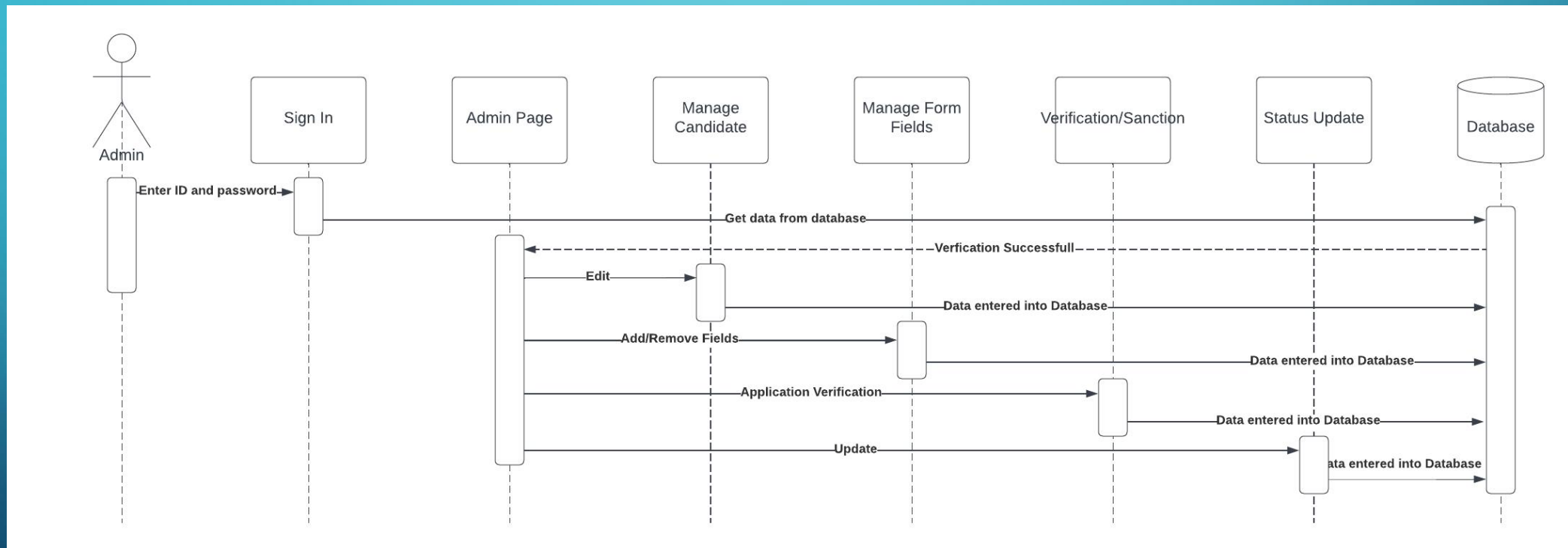- Activity diagram
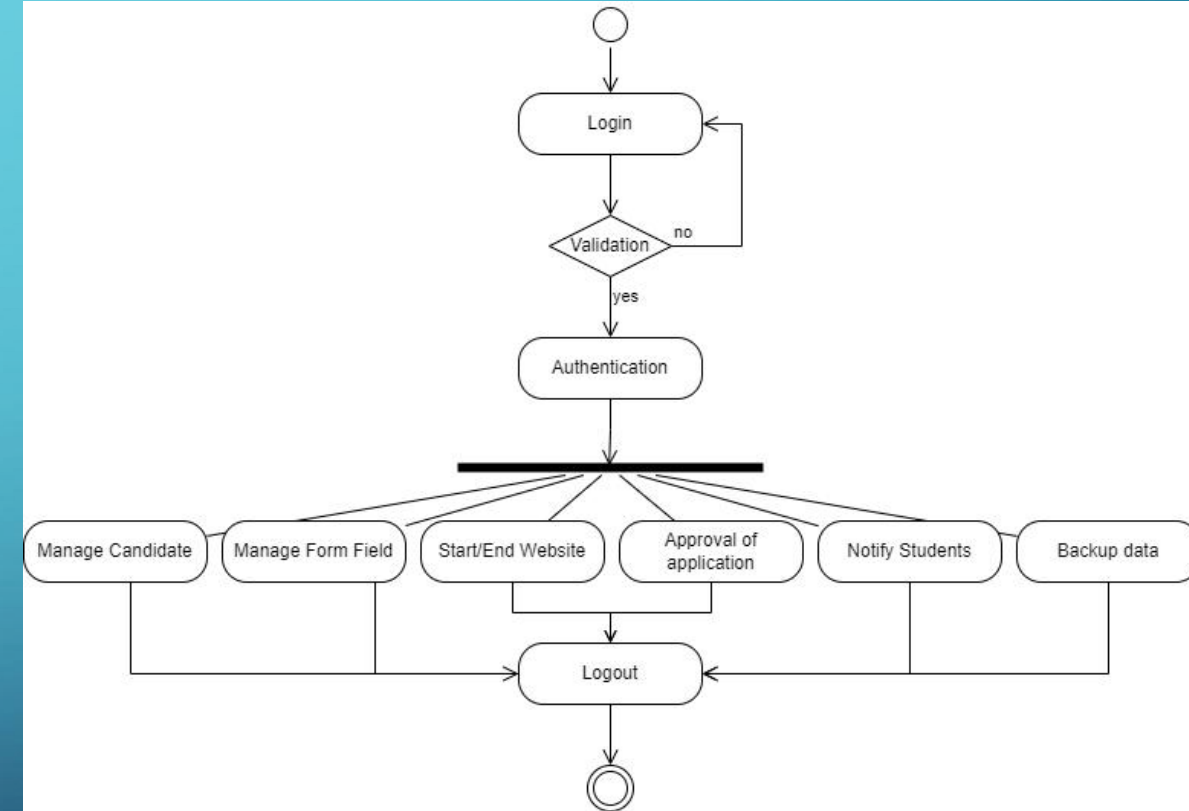
- Data Flow diagram

USECASE DIAGRAM
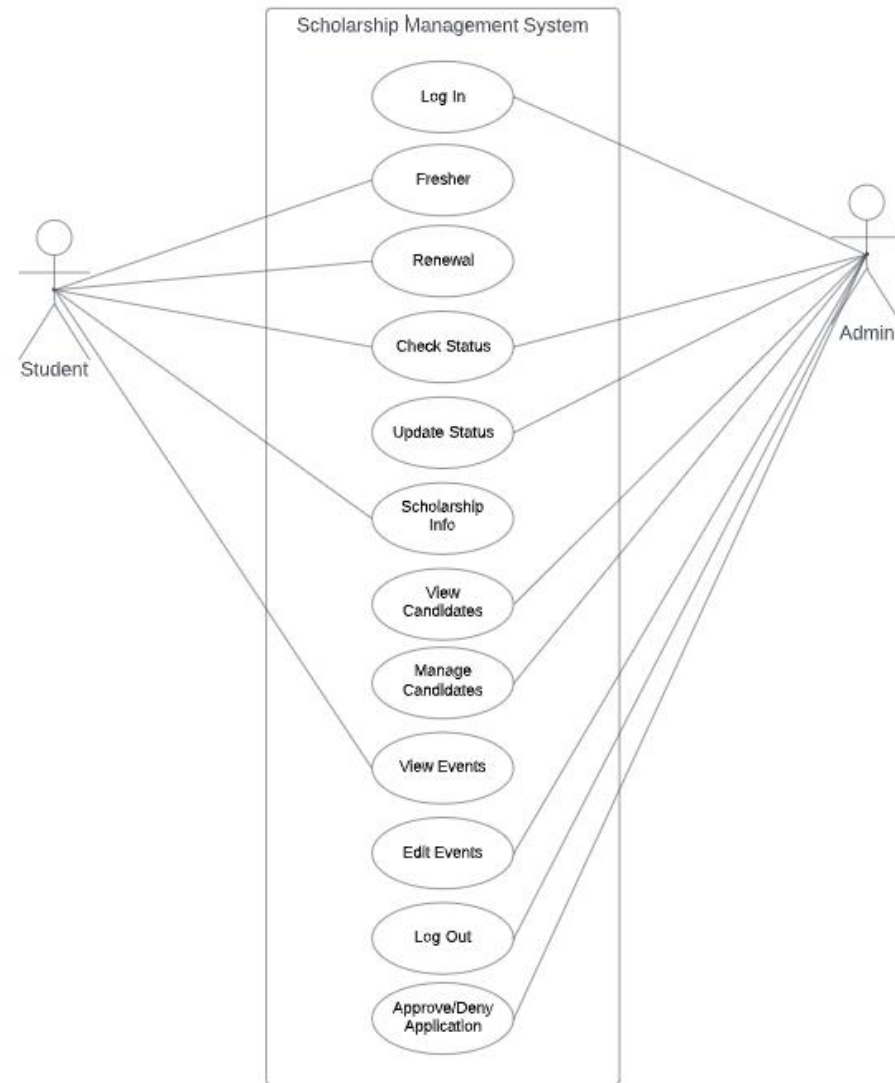
SEQUENCE DIAGRAM- STUDENT

SEQUENCE DIAGRAM-ADMIN

ACTIVITY DIAGRAM
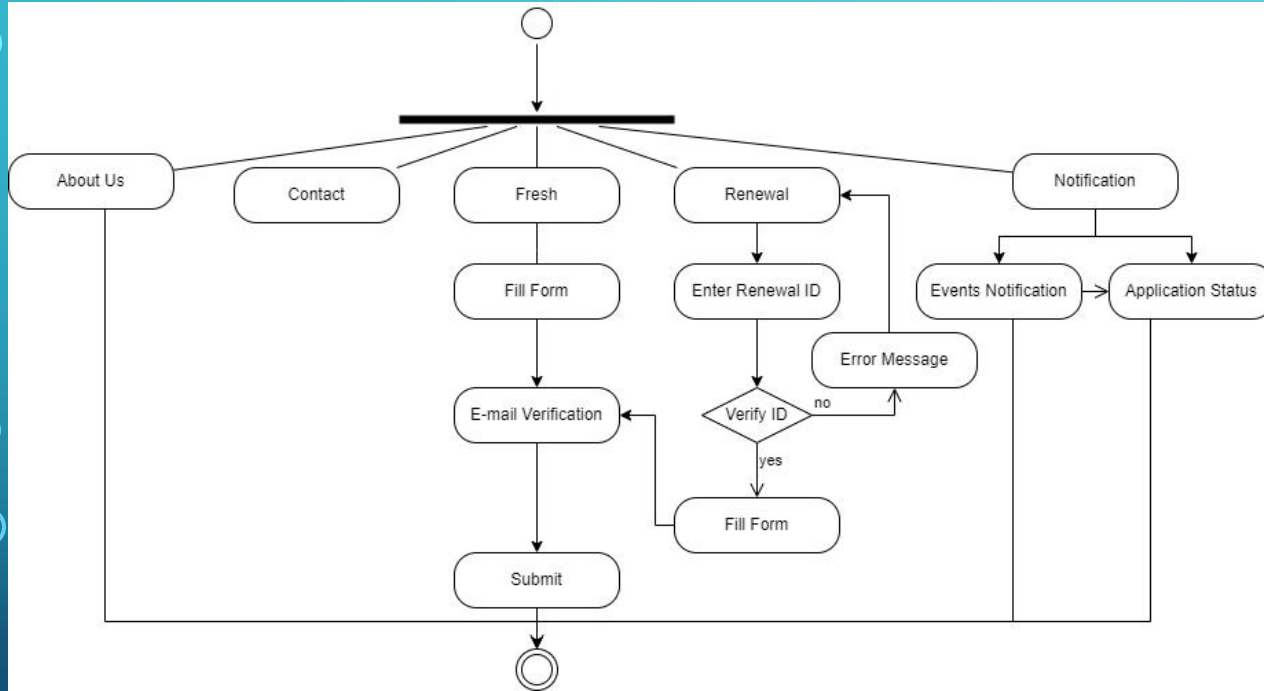
ER DIAGRAM
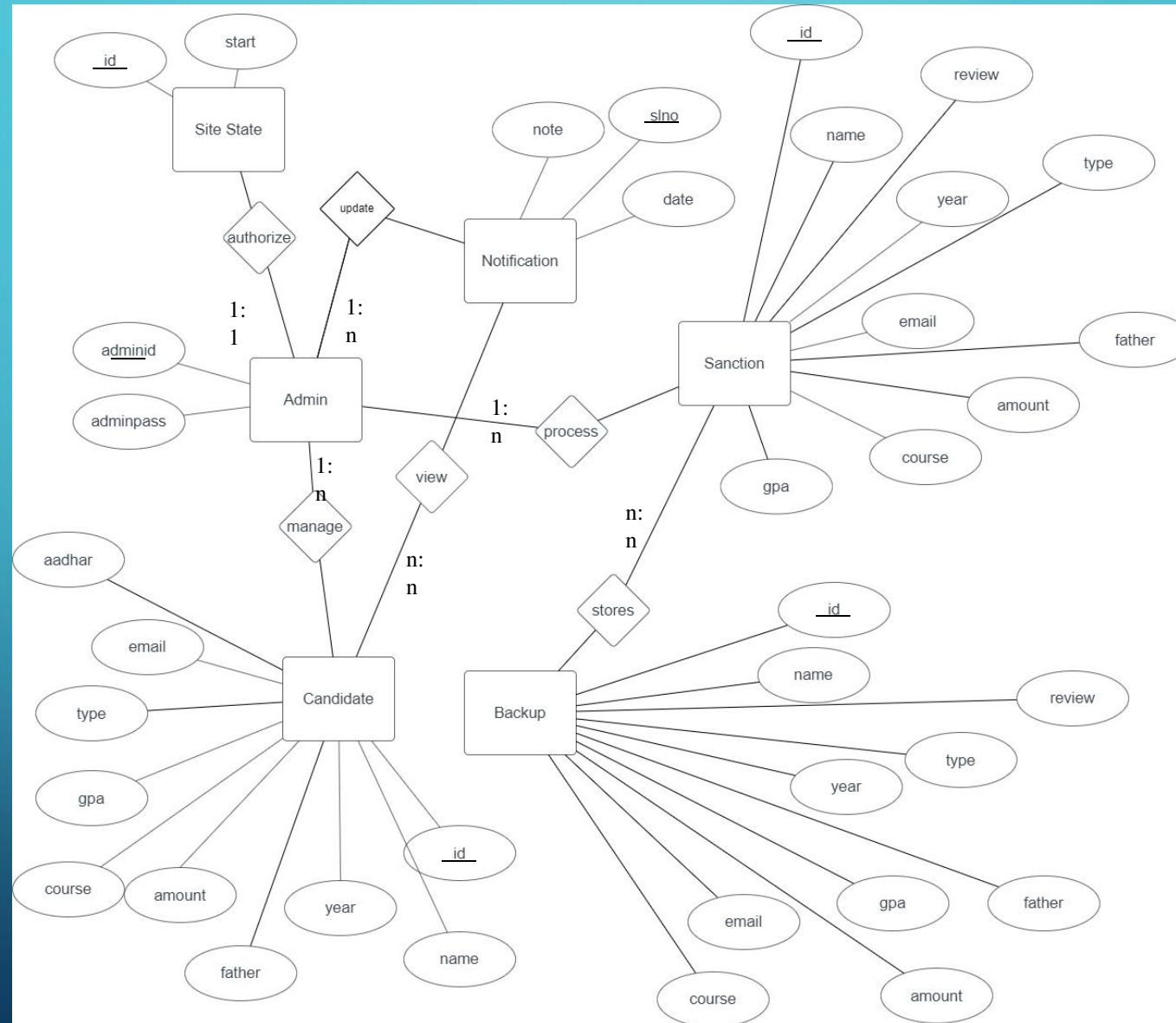
DATA –FLOW DIAGRAM

Level 0 :

LEVEL 1:
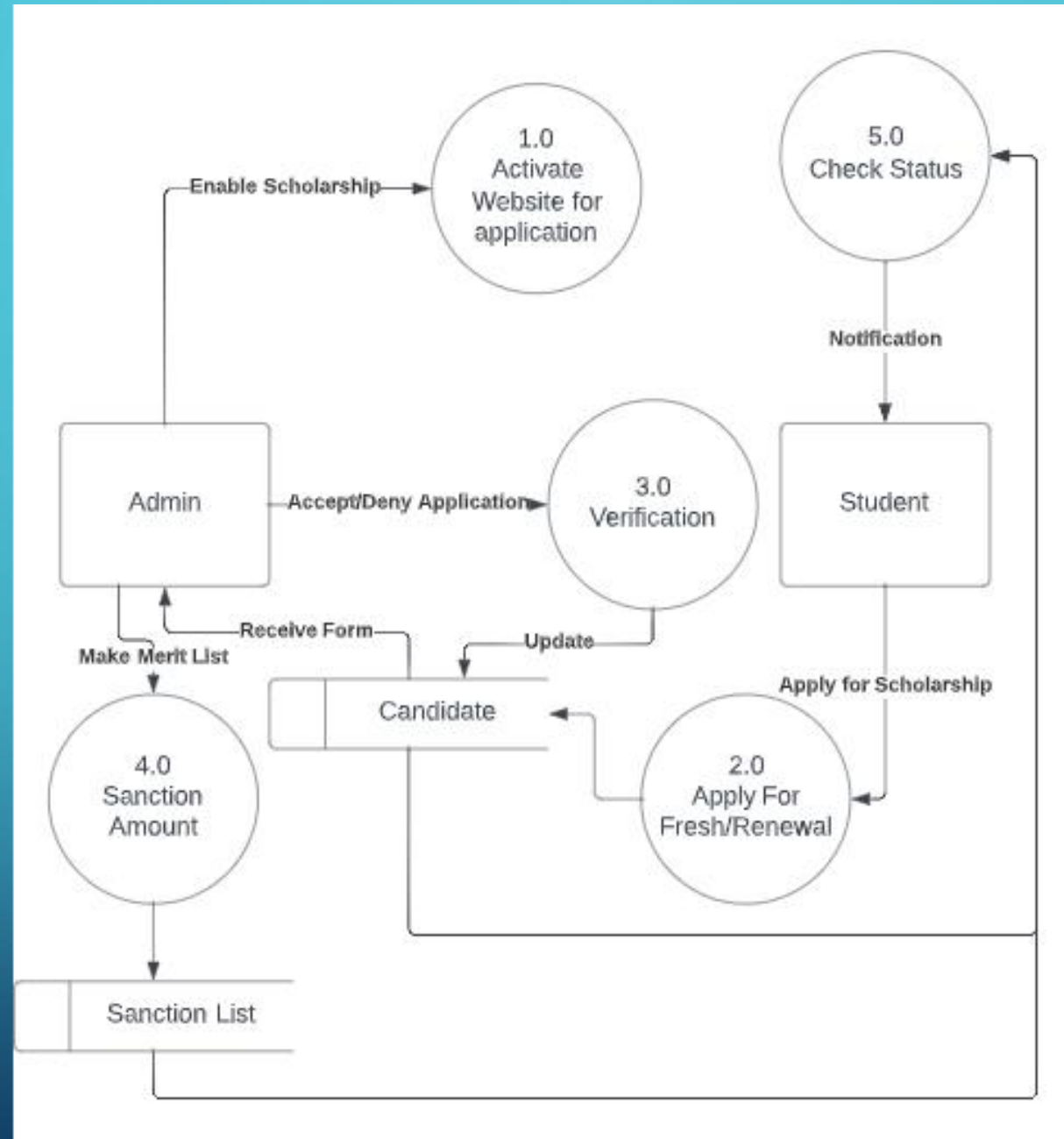
NORMALIZATION

Normalization is a database design technique that reduces data redundancy and eliminates undesirable characteristics like insertion, update and deletion anomalies.

TYPES OF NORMALIZATION

- 1NF
- 2NF

FIRST NORMAL FORM(1NF)

- It states that an attribute of a table cannot hold multiple values. It must hold only single-valued attribute.

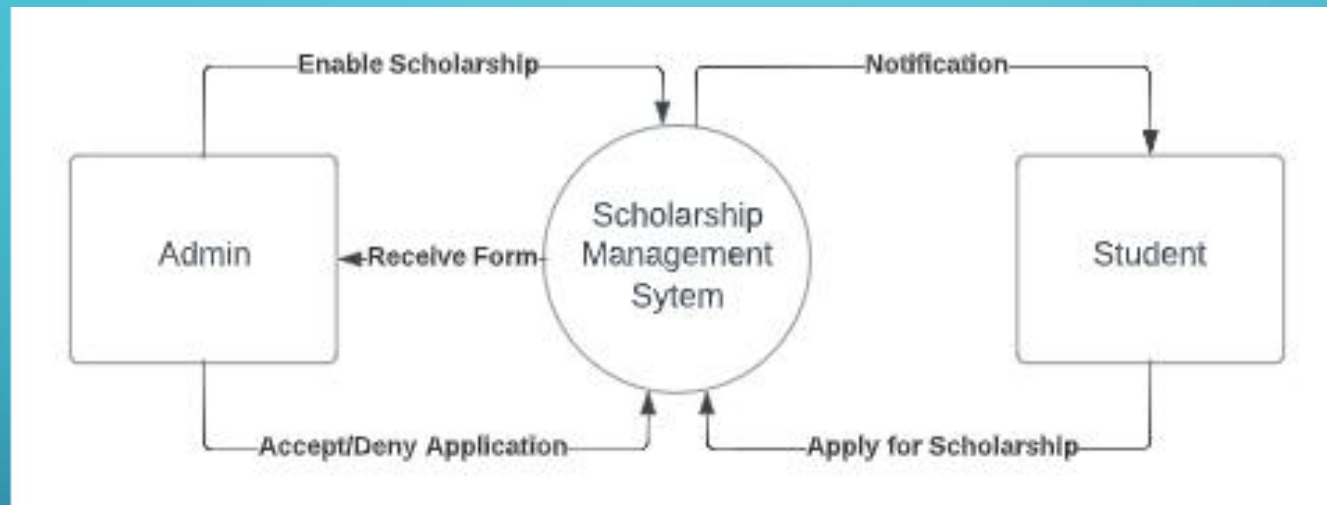| COLLEGE	COURSE	NAME
Al-Ameen Degree college	M.Com	Mubasheera,Md Rashid
Al-Ameen Degree College	B.Com	Abid Khan,Hajira Samreen
Al-Ameen Degree College	BCA	Md Hisham,Md Anas

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SECOND NORMAL FORM(2NF)

- It must be in 1NF.

- All non-key attributes are fully functional dependent on the primary key

ID	NAME
1057	Mubasheera
6739	Abid Khan
2384	Md Hisham

ID	DEGREE	NAME	COURSE
1057	Master	Mubasheera	M.Com
6739	Bachelor	Abid Khan	BBA
2384	Bachelor	Md Hisham	BCA

DEGREE	COURSE
Master	M.Com
Bachelor	BBA
Bachelor	BCA

TABLES

CANDIDATE TABLE

COLUMN-NAME	DATA-TYPE	NULL	DEFAULT-VALUES
id	bigint	False	
name	nvarchar(50)	False	
father	nvarchar(50)	False	
occupation	nvarchar(50)	False	
course	nvarchar(50)	False	
courseyear	nvarchar(50)	False	
pcourse	nvarchar(50)	False	
pcourseyear	nvarchar(50)	False	
pcoursemarks	nvarchar(50)	False	
sslc	nvarchar(50)	True	((0))
pu	nvarchar(50)	True	((0))
institute	nvarchar(MAX)	False	
totalfee	nvarchar(50)	False	
balancefee	nvarchar(50)	False	
aadhar	bigint	False	
year	nvarchar(50)	False	
doc	nvarchar(MAX)	False	
email	nvarchar(50)	False	
income	nvarchar(MAX)	True	
review	text	True	
type	nvarchar(50)	True	
sancamount	bigint	True	
stat	nvarchar(50)	True	

NOTIFICATION TABLE

COLUMN-NAME	DATA-TYPE	NULL	DEFAULT-VALUES
slno	int	False	
note	varchar(MAX)	False	
date	varchar(MAX)	False	

ADMIN TABLE

COLUMN-NAME	DATA-TYPE	NULL	DEFAULT-VALUES
Adminid	nvarchar(50)	True	
adminpass	nchar(10)	True	

STATUS TABLE

COLUMN-NAME	DATA-TYPE	NULL	DEFAULT-VALUES
id	int	False	
start	nvarchar(50)	True	

COLUMN-NAME	DATA-TYPE	NULL	DEFAULT-VALUES
id	bigint	False	
name	nvarchar(50)	False	
father	nvarchar(50)	False	
occupation	nvarchar(50)	False	
course	nvarchar(50)	False	
courseyear	nvarchar(50)	False	
pcourse	nvarchar(50)	False	
pcourseyear	nvarchar(50)	False	
pcoursemarks	nvarchar(50)	False	
sslc	nvarchar(50)	False	
pu	nvarchar(50)	False	
institute	nvarchar(MAX)	False	
balancefee	nvarchar(50)	False	
year	nvarchar(50)	False	
email	nvarchar(50)	False	
aadhar	bigint	True	
type	nvarchar(50)	True	
sancamount	bigint	True	
income	nvarchar(MAX)	True	
review	text	True	

CONCLUSION

- Ease of access to information.

- Ease of use

- Minimize the amount of paperwork required.

- Quick processing

- Data is organized

- Backup can be made annually.

- Reduce manual work

- Keep the process clean

- Online contact with authority

FUTURE ENHANCEMENT

- Accept variety of scholarship schemes

- Create Dynamic Webpage generation for every year

- Make Sanctioned amount transfer online

- Multi-Platform

- Stable Responsive Website with all devices

THANK YOU!

ADDITIONAL MATERIALS