

# LEAVE APPLICATION MANAGEMENT SYSTEM



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# MOTIVATION

- The current procedure for application submission and its response is offline and time consuming.
- Currently, any application submitted is handwritten and is given to the respective authority; if many permissions are required in some application, it becomes very difficult and time consuming for the applicant.
- The efficient solution for this problem is to automate the application management system.
- The applicant will only apply online for leave. Automatically the application will be sent to the respective authority and processed accordingly.

# OBJECTIVE

- Our aim is to automate the application management process.
- Successfully register LNMIIT students application of respective types.
- Forward the application to the associated authority.
- Authority approves/rejects the application.
- Student will be able to see the status of the application.

# SOFTWARE FEATURES

- Student and Authority will login using their credentials.
- User interface is designed where student can file different types of leave applications.
- Student will submit relevant documents and details about the application.
- Student will be able to see the status of the application.
- Student can edit/delete the application if it is not processed yet.
- Student will be notified with the mail once the application is accepted/rejected.

# SOFTWARE FEATURES

- Authority will be able to view, accept, reject the received application.
- After the authority accepts the application, it will be forwarded to next authority in the process.
- Student and Authority can archive the application after it is processed.

# TECHNOLOGY STACK

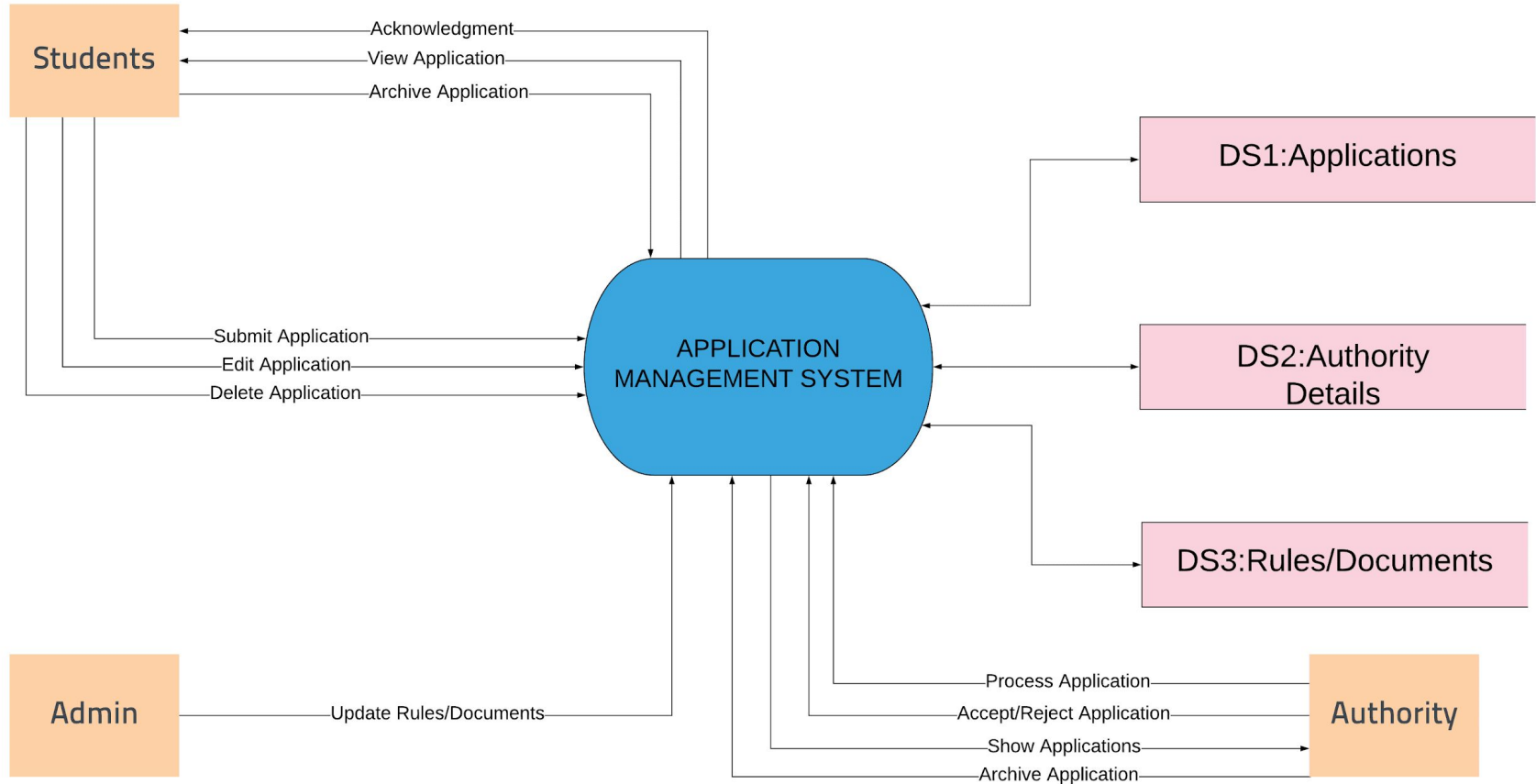
- **Framework – Django 2.0.013**
- **Database – MySQL**
- **Frontend – HTML, CSS**
- **Backend – Python 3.7.2**



# ANALYSIS OF REQUIREMENTS:

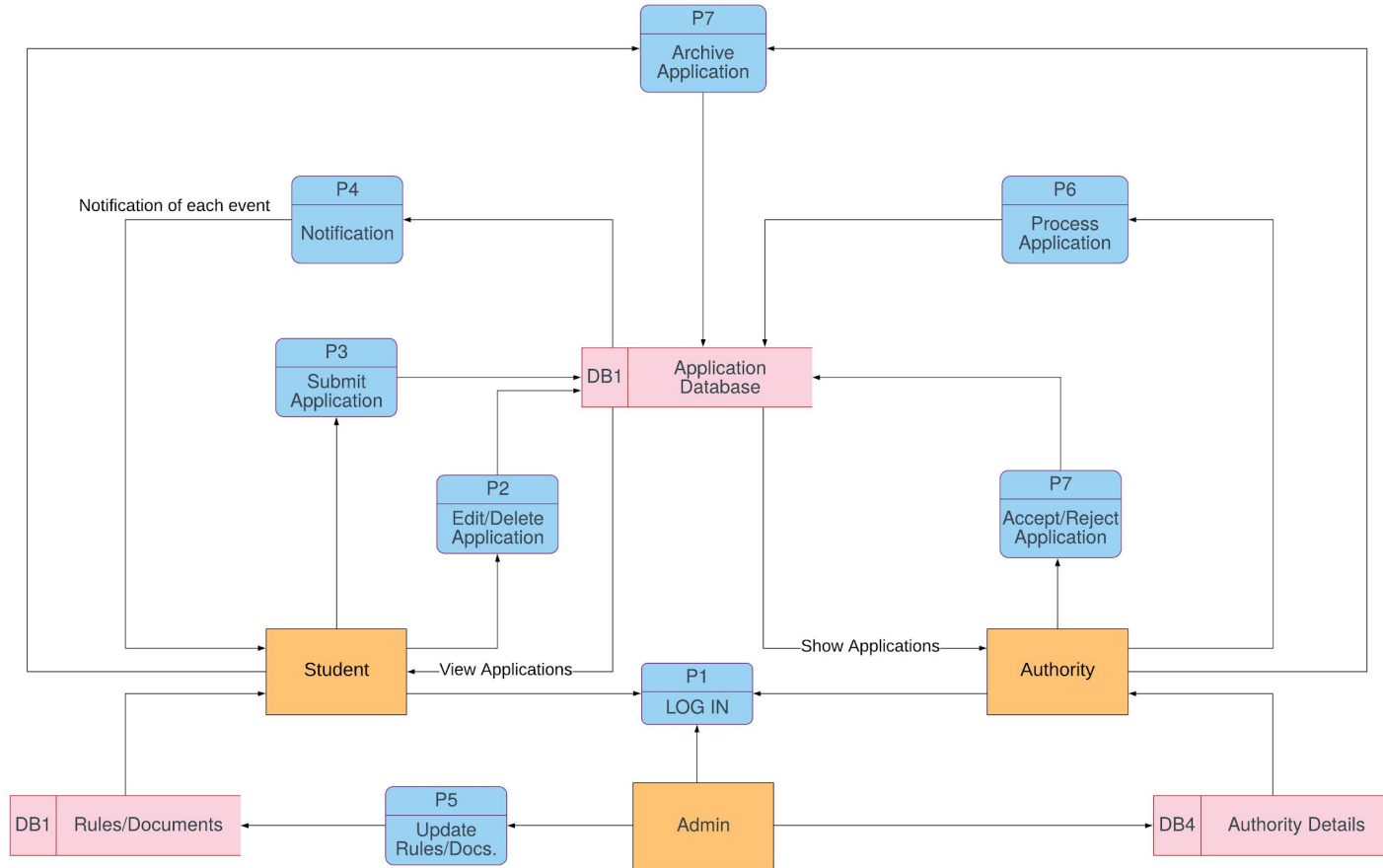
- Data Flow Diagram Level 0, Level 1
- Use Case Diagram
- Use Case Activity Diagram

# Level-0 Data Flow Diagram Application Management System



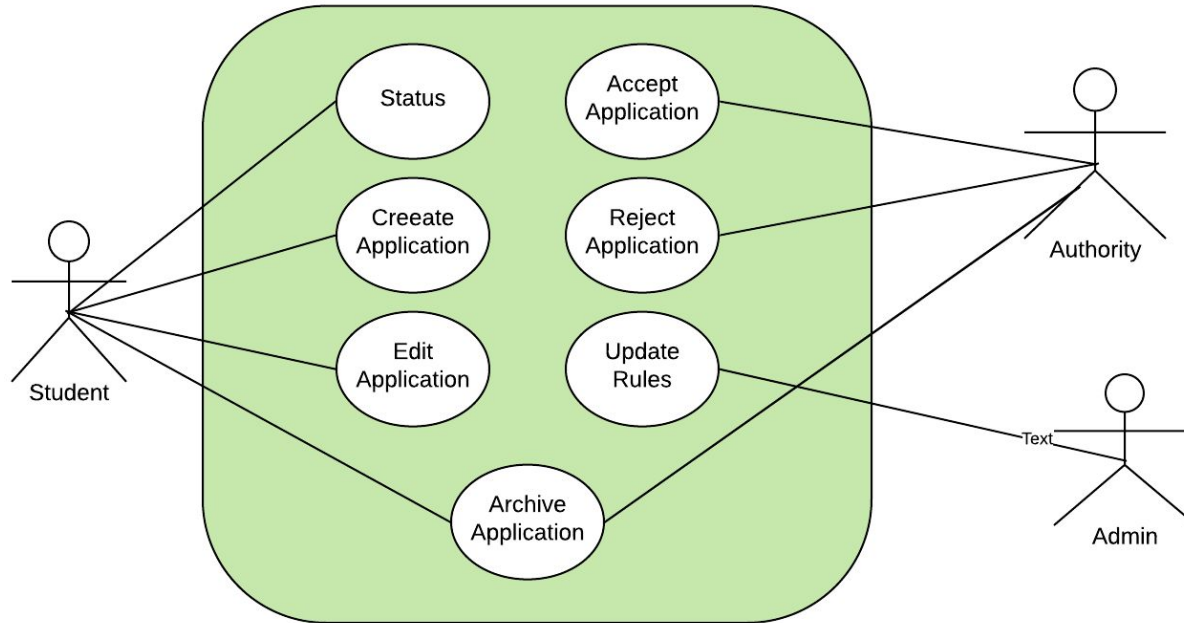


## Level-1 Data Flow Diagram Application Management System

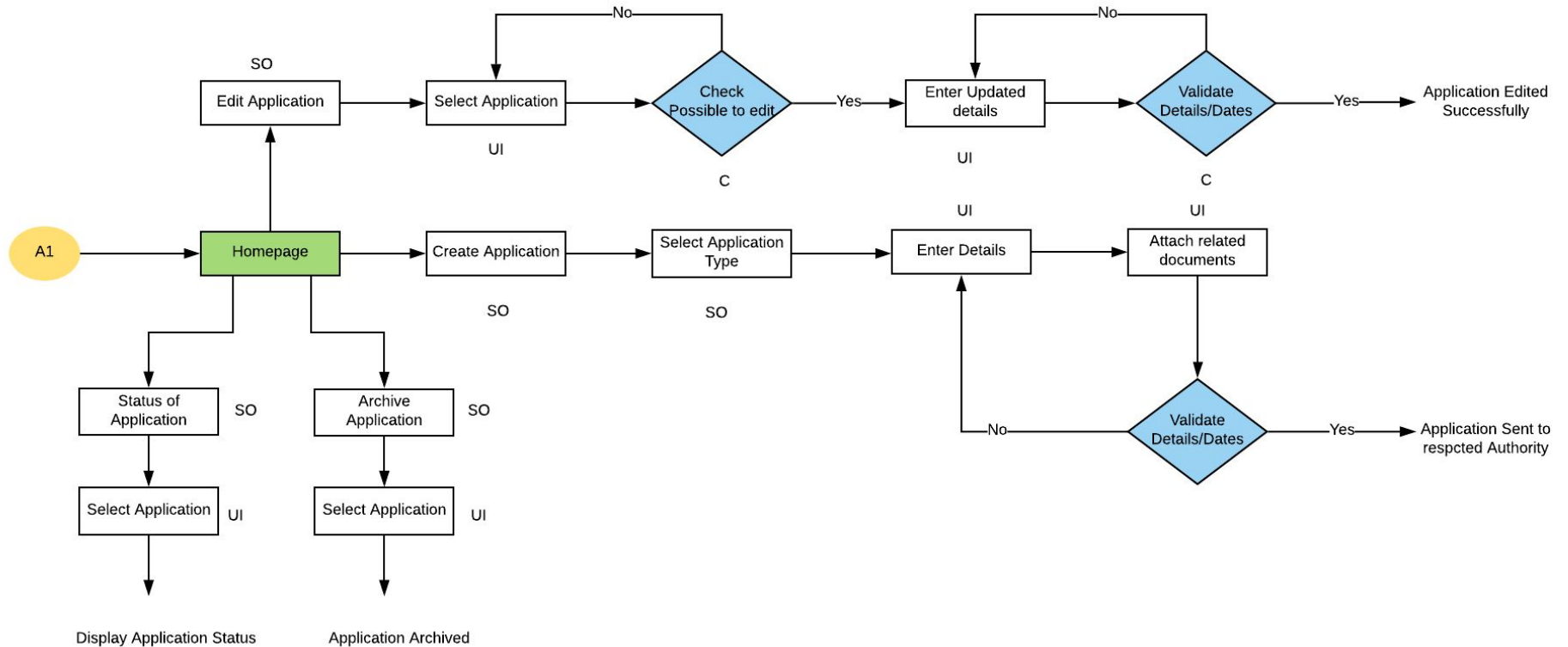


# USE CASE DIAGRAM :

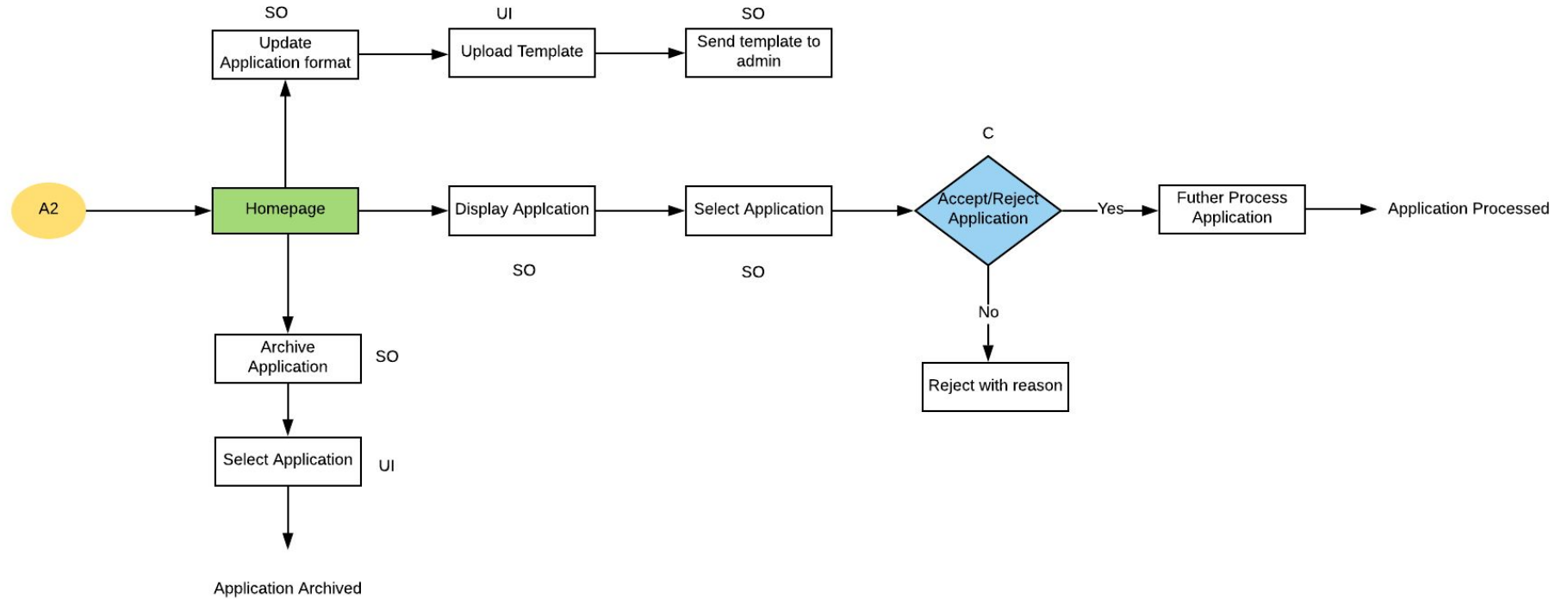
Object : Application



# Student UCAD



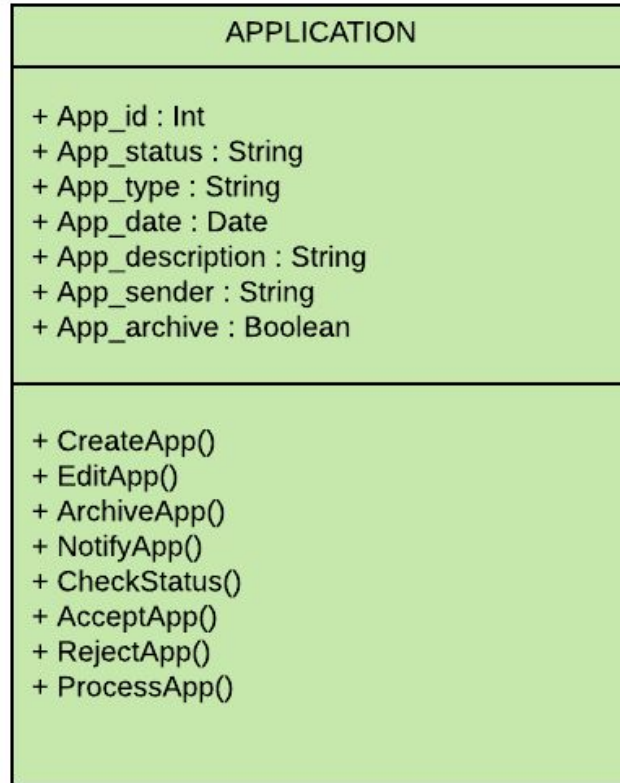
# Authority UCAD



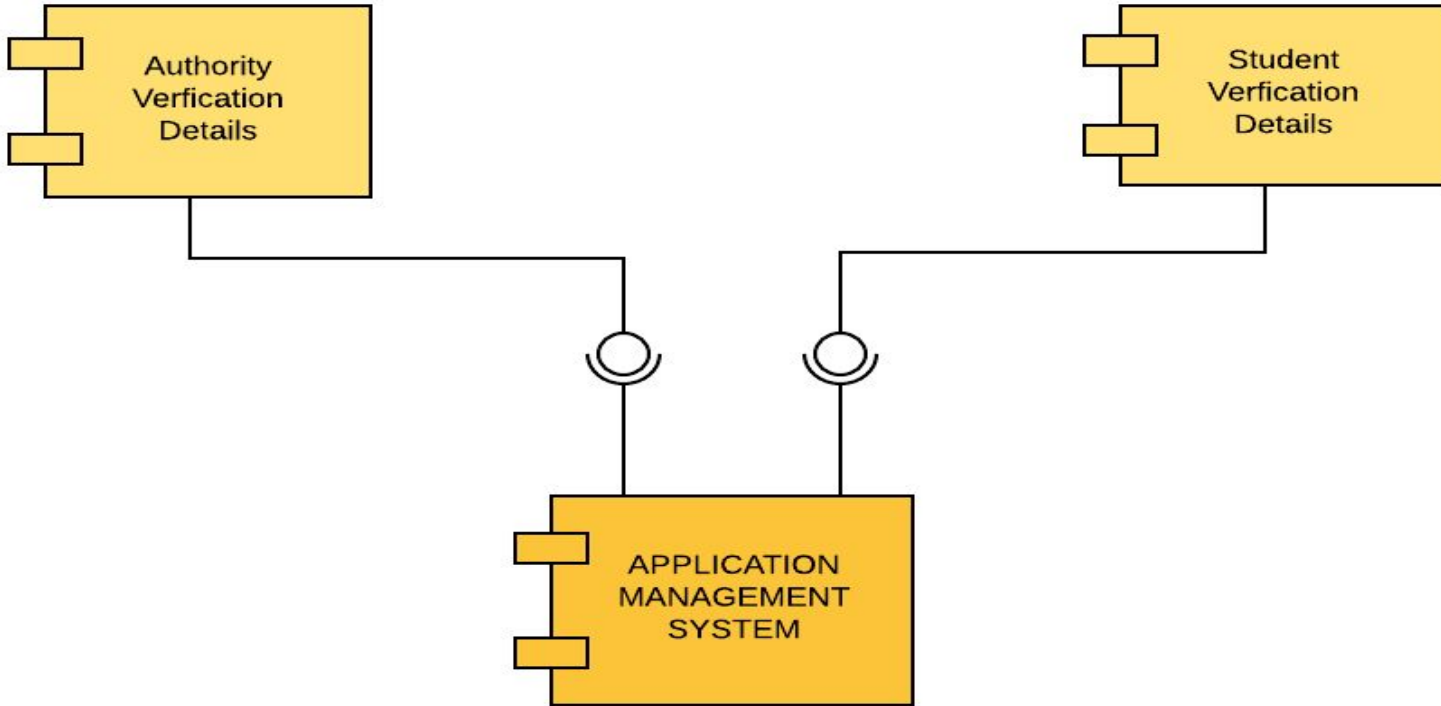
# DESIGN OF SYSTEM(BASED ON REQUIREMENT):

- **Class Diagram**
- **Component Diagram**
- **Test Cases**
- **ER Diagram**

# CLASS DIAGRAM:



# COMPONENT DIAGRAM



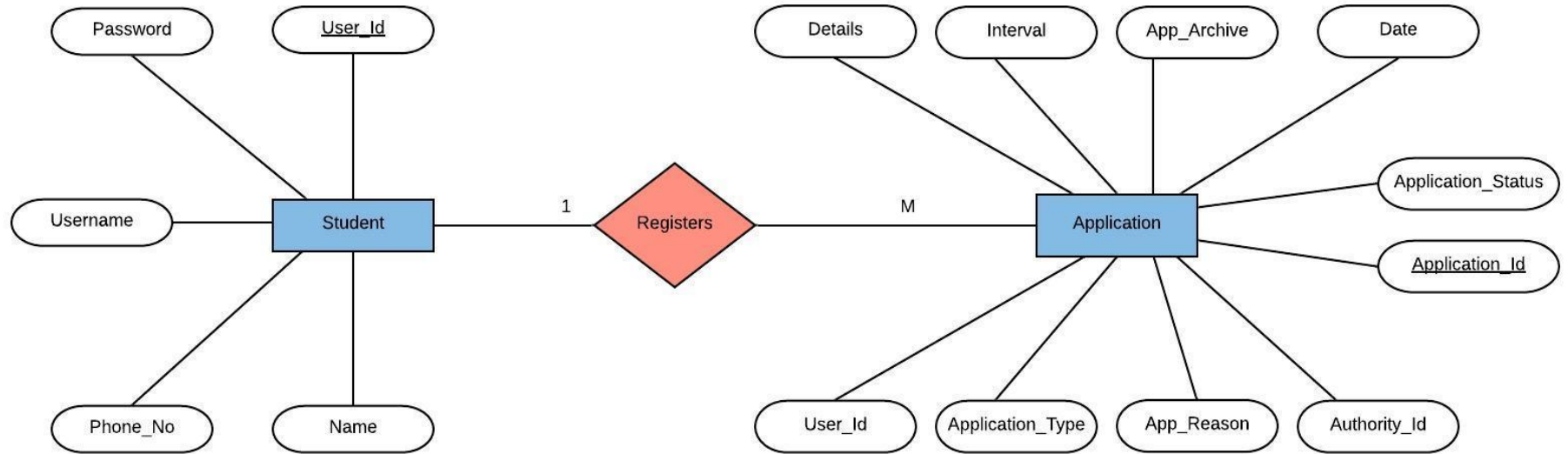
# TEST CASES

Sr. No.	Input	Condition	Expected o/p	Actual o/p
1	Edit Application	In processing state	You can edit	
2	Edit Application	After processing state	You can't edit	
3	Description Field	No of words>0	Processed Application	
4	Description Field	Empty Field	Enter description	
5	Description Field	No of words>100	Word limit exceeded	
6	Description Field	0<No of words<100	Good to go	
7	Date validation	Submit application before 5 days	Good to go	
8	Date validation	Submitted within 5 days	Invalid Application	
9	Application response	Reviewed within 2 days	Good to go	
10	Application response	Not reviewed within 2 days	Send notification	



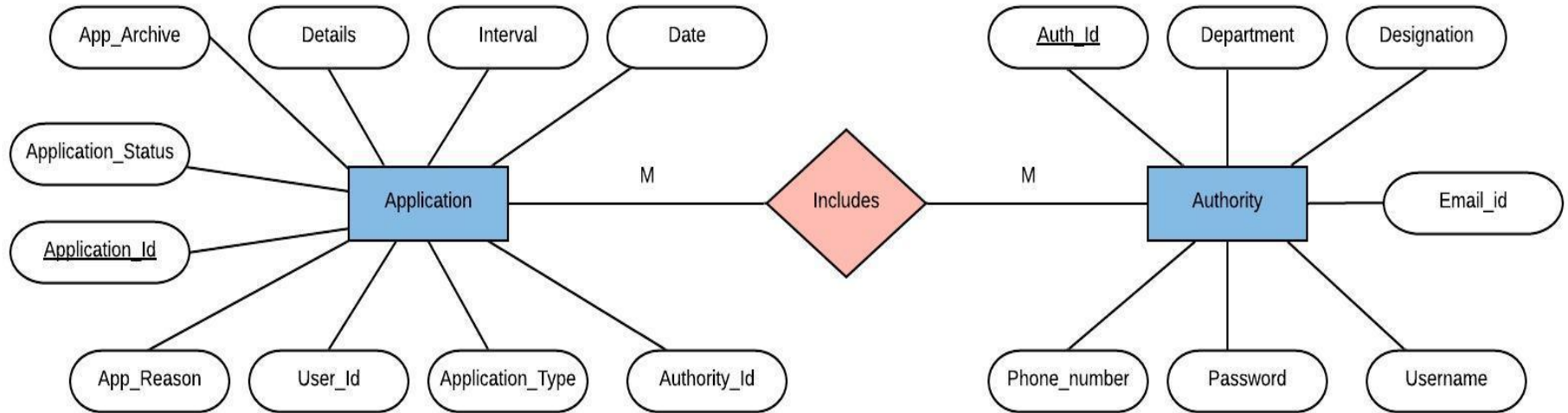
# DATASTORE PART 1

## ER Diagram



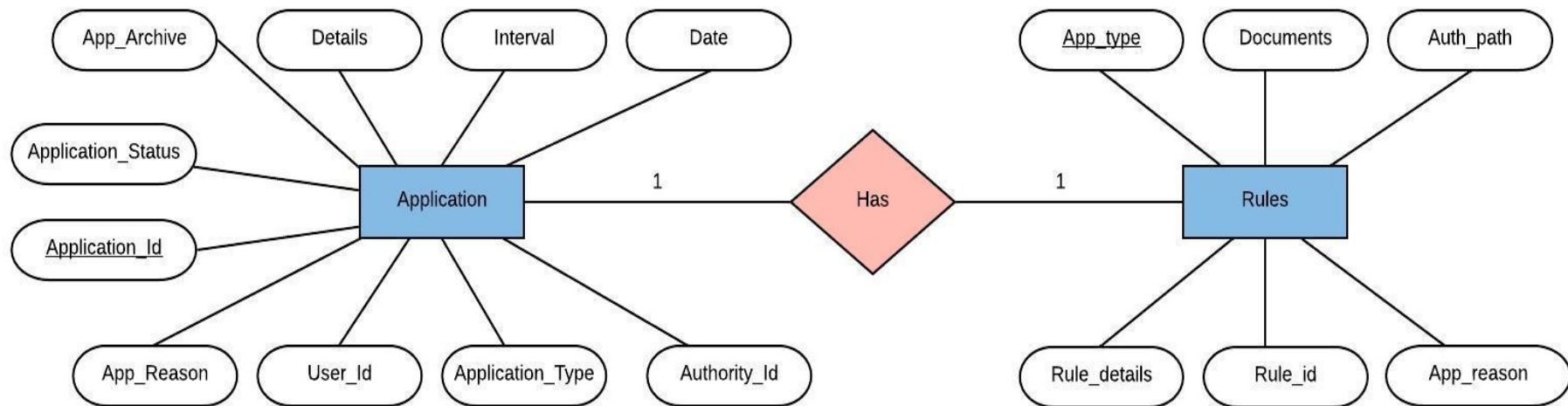
# DATASTORE PART 2

## ER Diagram



# DATASTORE PART 3

## ER Diagram



USER INTERFACE :

# Application Management System

## Sign In

Username



Admin

Password



.....

Log in to your account

Forgot Password ? [Click Here](#)

# Leave Application Management System

## Student Homepage

File a Application

View Applications

## Applicant Information

- **Name of Applicant :** Rohit Samudralwar
- **Roll No :** 16ucc080
- **Mobile No :** 7057165987

## APPLICATION DETAILS :-

Application Type :-

Examination Leave ▾

Describe the issue

Details

Authority :-

Pro. Ravi Gorthi ▾

Please Select

Pro. Ravi Gorthi

Dr. Subrat Kumar Dash

Dr. Soumitra Debnath

Dr. Sunil Kumar Gauttam

Reason :-

Please Select ▾

Submit form

# Leave Application Management System

## Authority Information

- **Name** : Prof. Narendra Kumar
- **ID** : DOAA\_NK

Sr.No.	Appl_Id	Appl_type	Appl_Reason	From	To	Application Details	Date Submitted	Time Submitted	Attachments	Response
1	1024	Examination	Co-curricular	27/3/2019	30/3/2019	SIH2019	20/3/2019	11:30 AM	<a href="#">Click here</a>	<input type="radio"/> Accept <input type="radio"/> Reject
2	1025	Academic	Medical	11/4/2019	20/4/2019	Ligament Sugery	6/4/2019	9:30 AM	<a href="#">Click here</a>	<input type="radio"/> Accept <input type="radio"/> Reject

Archived Applications: [Click here](#)



# Leave Application Management System

## Applicant Information

- **Name of Applicant :** Rohit Samudralwar
- **Roll No. :** 16ucc080
- **Mobile No. :** 7057165987

Sr.No.	Appl_Id	Appl_type	Appl_Reason	From	To	Application Details	Submitted To	Date Submitted	Time Submitted	Status	Attachments
1	1024	Examination	Co-curricular	27/3/2019	30/3/2019	SIH2019	Dr. Subrat kumar Dash	20/3/2019	11:30 AM	Pending	<a href="#">Click here</a>
2	1025	Academic	Medical	11/4/2019	20/4/2019	Ligament Sugery	Dr. Narendra Kumar	6/4/2019	9:30 AM	Pending	<a href="#">Click here</a>

Archived Applications: [Click here](#)

# FUTURE ASPECTS

- The scope of this Application Management System will be further extended to process other types of applications such as MCM, reimbursement, etc.
- Priority based processing of important applications.

*Thank You!*