AMAL JYOTHI COLLEGE OF ENGINEERING KANJIRAPALLY

CAMPUS LOCALE

MAIN PROJECT

Submitted By:

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Abstract

The Campus Locale is a web-based system which will use as a platform for interaction between student, teachers and parents. While the main objective of this project is to computerize the paperwork in the system and automate the work. The computerization is done so that the storage of all the details regarding students and teachers will be stored in the system which makes system centralized and the chance of duplication of any data is minimized. While by doing automation to the system will reduce the time for storing any data in the system. It will manage all the work in any campus in particular order so that the time requirement and complexity of the system will be reduced, at first it will focus on student related information. As a student gets the admission in the school system will start managing the details regarding the students. It will manage the fee details, and if the full payment has not done, then it will notify about the fee to a staff of the school. Campus Locale will then display the date of the test and when the test completes it will display the results of the students.

System Requirements

Hardware Specification

- Memory : 4 GB of RAM and 80 GB of hard disk
- Processor : Intel core i3 2GHz Intel-GeForce 410M 2.3.1.2

Software Requirements

- Language : React
- Database: MongoDB

Module Description

- **ADMIN**
  Add Student
  Add Teacher
  New Admission
  Courses
  Attendence
  Results
  Time Table
  Salary
  Lab Booking
  Student Fee
  Subjects

Manage Account

- **TEACHER**
  Personal Information
  Courses
  Attendence
  Results
  Lab Booking

- **STUDENT**
  Student Profile
  Personal Information
  Courses
  Attendence
  Results

Table Design

tb_login

Column	Datatype	Key	Description
id	Int(20)	Primary Key	Login id for the user
user_id	Varchar(50)	Not null	Name of the user
password	Varchar(50)	Not null	Password of the user
role	Varchar(50)	Not null	Role of the user

tb_courses

Column	Datatype	Key	Description
coursecode	varchar(20)	Not Null	Code of the course
coursename	varchar(20)	Not Null	Name of the course
sem_of_years	varchar(50)	Not Null	Total number of semesters
no_of_years	varchar(50)	Not Null	Total number of years

tb_course_subject

Column	Datatype	Key	Description
sub_code	varchar(20)	Not Null	Subject code
sub_name	varchar(20)	Not Null	Subject name
course_code	varchar(20)	Not Null	Course code
credit_hours	int(10)	Not Null	Total number of hours
semester	int(10)	Not Null	Current semester

tb_classresult

column	Datatype	key	descriptions
class_id	Int(20)	Primary key	Id for the different class
course_code	varchar(50)	Not Null	Course code
sub_code	varchar(10)	Not Null	Subject Code
total_mark	Int(50)	Not Null	Total mark
obtain_mark	int(20)	Not Null	Obtain mark
result_date	date	Not Null	Result date

tb_student_courses

column	Datatype	key	descriptions
stud_course_id	int(20)	Primary key	Student course id
course_code	varchar(20)	Not Null	Course Code
semester	Int(20)	Not Null	Current semester
roll_no	varchar(10)	Not Null	Roll number
sub_code	varchar(10)	Not Null	Subject Code
assign_code	varchar(10)	Not Null	

tb_student_attendence

column	Datatype	key	descriptions
attend_id	int(20)	Primary key	Attendence id of student
course_code	varchar(20)	Not Null	Course Code
subject_code	varchar(20)	Not Null	Subject Code
semester	Int(20)	Not Null	Current semester
sub_id	varchar(10)	Not Null	Subject Id
attendence	int(10)	Not Null	Attendence
attend_date	Varchar(20)	Not Null	Attendence date

tb_student_fee

column	Datatype	key	descriptions
fee_voucher	int(20)	Primary key	Voucher
roll_no	varchar(10)	Not Null	Roll number
Amount	int(10)	Not Null	Fee amount
posting_date	date	Not Null	Current posting date
Status	varchar(10)	Not Null	

tb_teacher_attendence

column	Datatype	key	descriptions
attendance_id	int(20)	Primary key	Teacher attendence
teacher_id	varchar(10)	Not Null	Teacher id
Attendance	varchar(10)	Not Null	Attendence
attendence_date	date	Not Null	Attendence date

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tb_teacher_course

column	Datatype	key	descriptions
teacher_course_id	int(20)	Primary key	Course id
course_code	varchar(20)	Not Null	Course Code
semester	Int(20)	Not Null	Current semester
teacher_id	varchar(10)	Not Null	Teacher id
subject_code	varchar(20)	Not Null	Subject Code
assign_date	varchar(20)	Not Null	Date
total_class	int(10)	Not Null	Total class

tb_teacher_info

column	Datatype	key	descriptions
teacher_id	int(20)	Primary key	Course id
first_name	varchar(20)	Not Null	First name
last_name	varchar(20)	Not Null	Last name
email	varchar(10)	Not Null	Email id
phone_number	int(20)	Not Null	Phone number
profile_img	blob	Not Null	Profile Image

teacher_status	varchar(10)	Not Null	
application_status	varchar(10)	Not Null	
Dob	varchar(10)	Not Null	Date Of birth
Gender	varchar(10)	Not Null	Gender
Address	varchar(50)	Not Null	Address
place_of_birth	varchar(10)	Not Null	Place of birth
matric_certificate	varchar(10)	Not Null	
fa_certificate	varchar(10)	Not Null	
ba_certificate	varchar(10)	Not Null	
last_qualification	varchar(10)	Not Null	Last Qualification
State	varchar(10)	Not Null	State
hire_date	varchar(10)	Not Null	

tb_salary_report

column	**Datatype**	**key**	**descriptions**
salary_id	int(20)	Primary key	Salary id
teacher_id	int(20)	Not Null	Teacher id
total_amount	int(20)	Not Null	Total mark
Status	varchar(10)	Not Null	Attendence date

paid_date	date	Not Null	Paid date

tb_timetable

column	**Datatype**	**key**	**descriptions**
id	Int(20)	Primary key	id
course_code	varchar(20)	Not Null	Course Code
semester	int(10)	Not Null	Current semester
timing_from	varchar(20)	Not Null	Course timing
timing_to	varchar(20)	Not Null	Course timing
day	varchar(20)	Not Null	
subject_code	varchar(20)	Not Null	Subject code
room_no	int(10)	Not Null	Room number

tb_accomadation

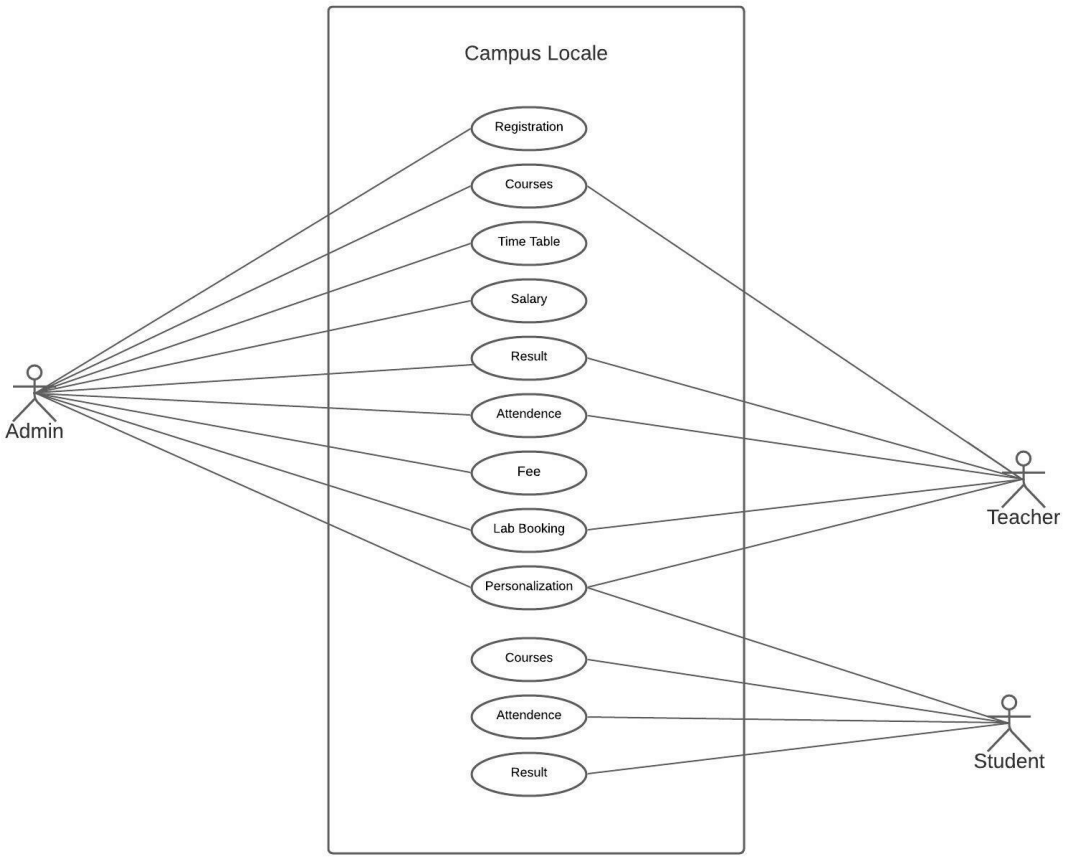
column	Datatype	key	descriptions
bulid_id	int(10)	Primary key	Building Id
bulid_name	varchar(10)	Not Null	Building Name

tb_roomtype

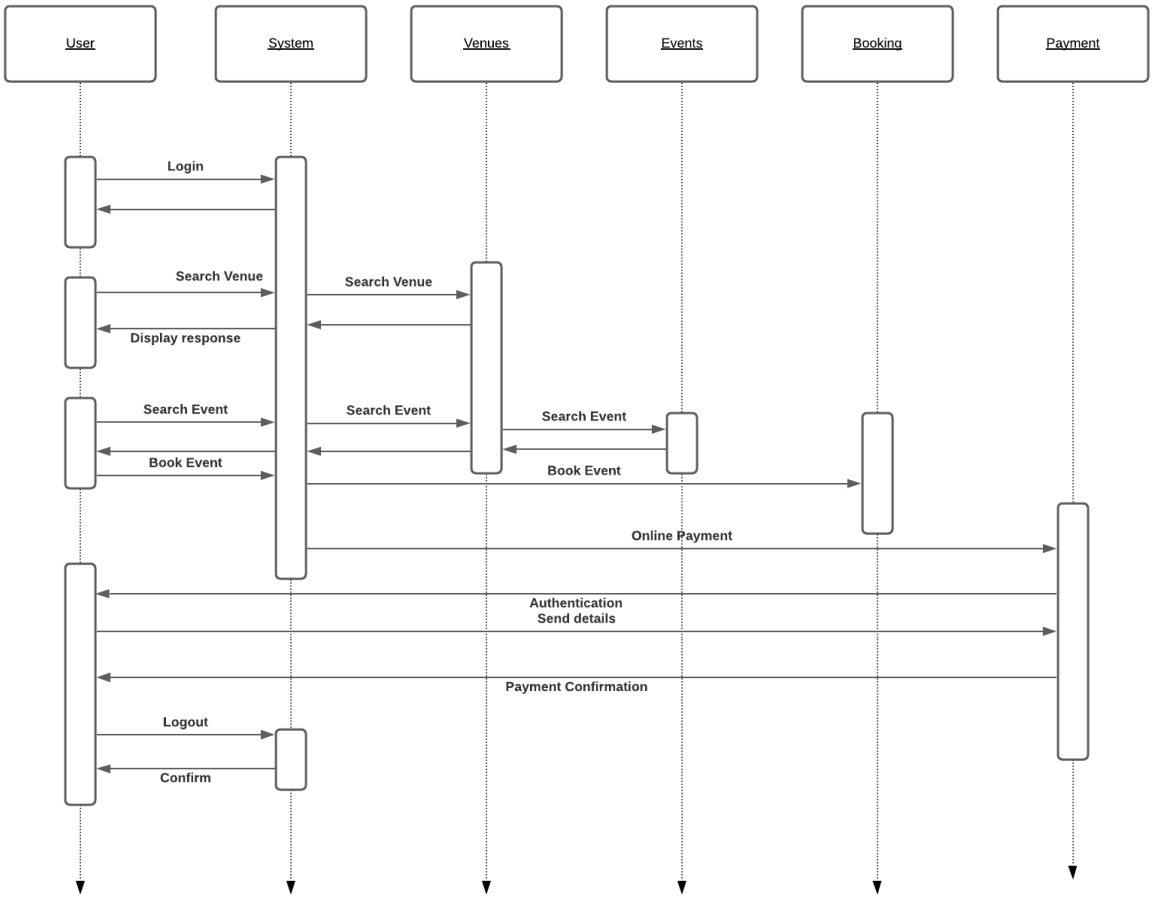
column	Datatype	key	descriptions
room_id	int(10)	Primary key	Room Id
room_type	varchar(20)	Not Null	Room Type

UML Diagrams

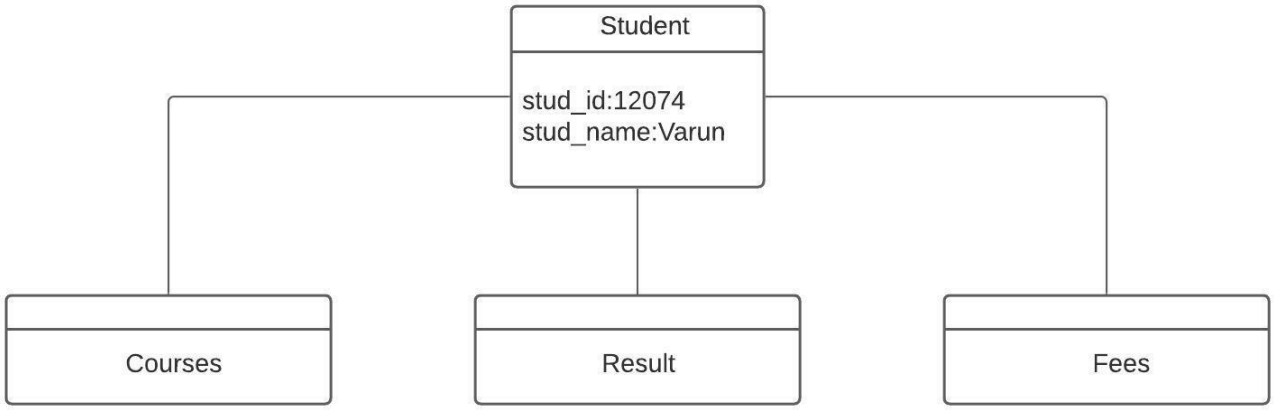
Usecase diagram



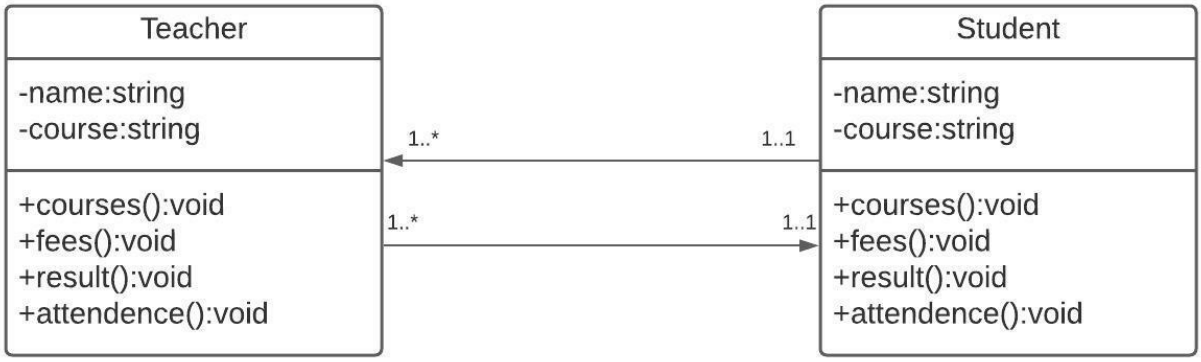
Sequence Diagram



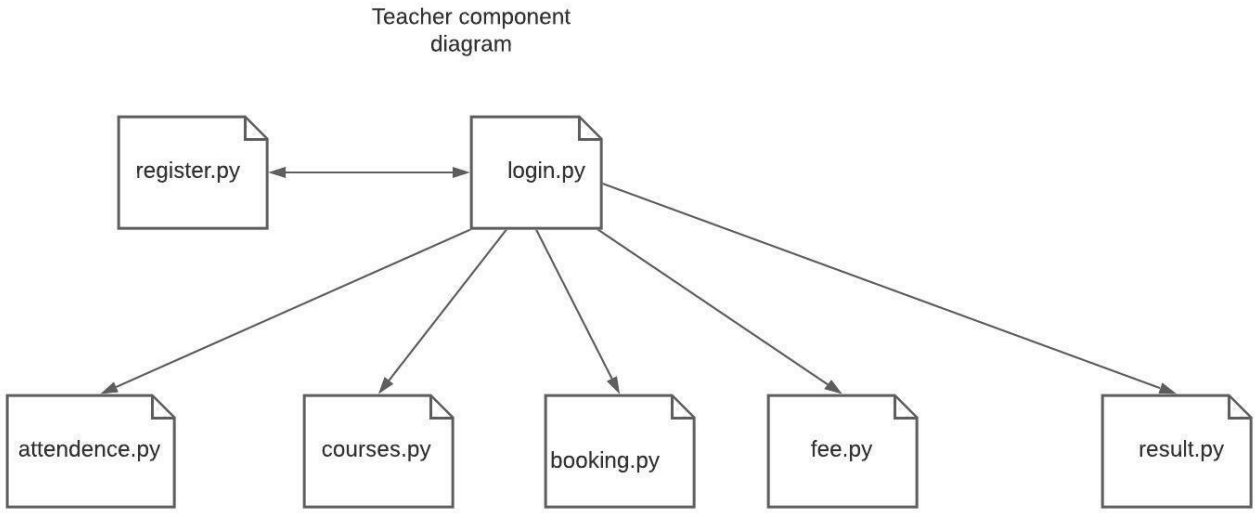
Object Diagram

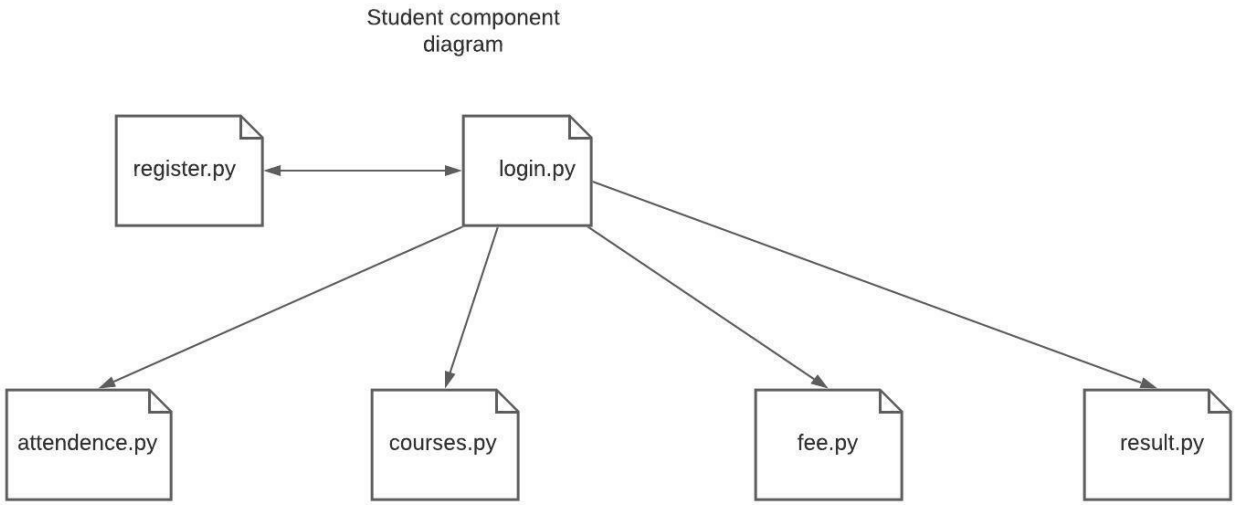


Class Diagram



Componet Diagram:




Student component
diagram
register.py
login.py
attendence.py
courses.py
fee.py
result.py