

SOFTWARE SYSTEM LAB

Project Report

ONLINE ATTENDENCE SYSTEM

Team-3

Members

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Language and module Used

1. **Language-** Python, HTML, CSS, JavaScript
 2. **Module-** Django
 3. **Database-** SQLite
- **Start Django server with command given in directory of source code:**
`python manage.py runserver`

Groups

Groups are use to differentiate different types of users. Any user can belong to one or more groups.

Groups which are used by default in this project are as follows:

1. Faculty: all faculty belongs to this group.
2. Student: all students belongs to this group.
3. D-CSE: all students of CSE branch.
4. D-EE: all students of EE branch.
5. D-ME: all students of EE branch.
6. Sem-1: all students of 1 semester.
7. Sem-2: all students of 2 semester.
8. Sem-3: all students of 3 semester.
9. Sem-4: all students of 4 semester.
- 10.Sem-5: all students of 5 semester.
11. Sem-6: all students of 6 semester.
12. Sem-7: all students of 7 semester.

13. Sem-8: all students of 8 semester.

Admin can add more groups for new department or semester

Users

Types of users:

1. **Admin**- Created in backend by command
`python manage.py createsuperuser`
2. **Faculty**- Created by admin. They must be included in group of Faculty.
3. **Student**- Created by admin. They must be in group of Student and in group of their respective department and semester.

Admin

1. Login with credential which used while creating superuser.
2. Create users with info of Username, Password, First name, Last name, E-mail and their respective group.
3. To see the Stats of Attendance, click on the link Statistic of Attendance.
4. Admin can search the attendance of every student by their Roll number and also of any course.
5. Admin can download the Attendance table in excel format.
6. Username of Student must be its Roll number.

7. They can filter out the defaulter list for the course.

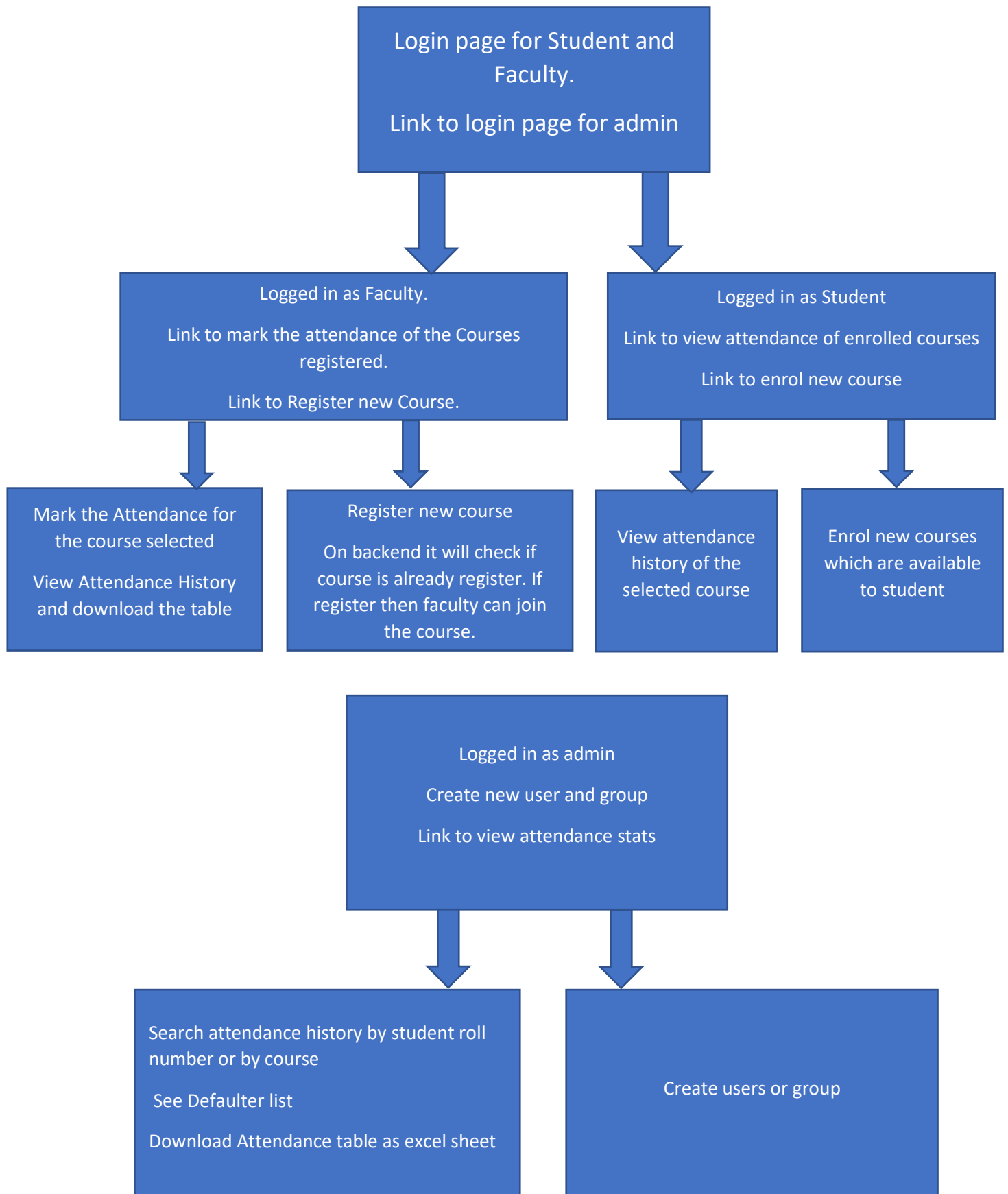
Faculty

1. Faculty can see their Courses register under him/her.
2. Faculty can register new courses by providing course code, course name, department, semester.
3. If the course is already register under some other faculty then logged in faculty can join the same course with the faculty who created it.
4. Faculty can see the list of students who are enrolled in the course and mark their attendance.
5. They can mark multiple attendance on the same day for extra class but only with a gap of 1hr.
6. Faculty can view the Attendance of course by entering from and to dates where defaulters are highlighted by red colour.
7. Faculty can download the attendance as an excel format.

Student

1. Student can see the courses he/she enrolled and can enrol new courses once which are available to him/her according to their department and semester.
2. Student can view their attendance history for different courses and check his/her attendance for any period of time.

Website Architecture



Database-SQLite

Table 1- Fac_Courses

Store info of courses and faculty who are under it.

Columns- First name and Second name of faculty, course code, course name, department and semester of course.

Table 2- Stud_Courses

Store info of courses enrolled by students.

Columns- Roll number and course code

Table 3- Attendance

Store info of attendance of student.

Columns- Roll number, course code, Attendance (Present/Absent), Date and time.