

Online Coaching System

User Scenario:

The system will be used for conducting online coaching. The end users will be the system admin, moderators, students, teachers, parents and the payment partner.

There won't be an option to create an 'admin' account by an existing user as there will be only one system administrator. At the time of deployment of the system, the pre-generated admin credentials i.e. their username and password will be provided to the administrator.

System admin can add information such as the name, email, address, mobile number, username, password and role about the moderators, teachers, students and parents and also assign them their respective roles. There will be an option for teachers to apply for certain positions and the admin can approve these requests. The admin will also be able to remove any users if needed.

The system admin can view the activity log - the results, attendance records and rankings of the students, current activities of the coaching such as class and test schedules, the notifications about the classes, results and rankings sent out to the students and parents, etc. They can also generate reports of these activities.

The system admin can do all of the activities of other users.

They can also add moderators who will have the same privileges as the admin except being able to delete the admin.

Students can sign up by giving name, username, password, previous academic results, hsc registration number. After giving this information he/she will get a payment request. After payment the student has to wait till the verification of the admin/moderator. After their approval, the student will get a confirmation email.

Students can log in to the system using username or email address and password. After logging in to the system students can view their personal information, previous results, previous recorded classes, current rank among the students, upcoming class schedule, resources provided by the teachers/moderator in their dashboard. Personal information like name, session, institution, email, mobile number. Student can attend the class, give exam.

Parents will be able to sign up by providing their name, email, mobile number, preferred username and finally their child's/childrens' username(s) as reference. They will be able to login using their username and password.

Moderators are staff hired by the System Admin to help oversee the website. They can do almost everything an Admin can. The Admin and the moderators can both delete and designate Moderators but the Moderator cannot delete the Admin.

The class schedules can be created, edited and/or removed by the system admin or moderators. They will also be able to edit the attendance records, marksheets, and ranking lists of the students. The system admin can create, upload or delete study resources or materials. They can manually add a student or teacher account.

Prospective Teachers will apply to sign up as a Teacher. They will be redirected to the Teacher Application page where they will give their name, email, phone number, password, valid credentials, which role they want to apply for (eg: which subject they want to teach, do they want to check copies or take classes or make resource materials etc)

The Admin or Moderators will contact the Prospective Teacher based on their information (take interviews if they wish) to hire the Teacher or reject them. After hiring the Teacher, Admin or Moderators will approve that Teacher's Application on the Website, upon which an account will be created for the Teacher.

Admins and Moderators can ban specific email addresses from applying if they are abusing the Teacher Application Form even after being rejected multiple times.

Teachers can host Video Conferences for classes. They can upload study material, resources, check copies, update the marks of their students, and manually give attendance to a student despite the student being absent. A teacher's role determines what they have access to. For example a teacher who only checks copies cannot host Classes, or a teacher who takes Classes cannot update the student's marks. Admins and Moderators can change or add a Teacher's roles.

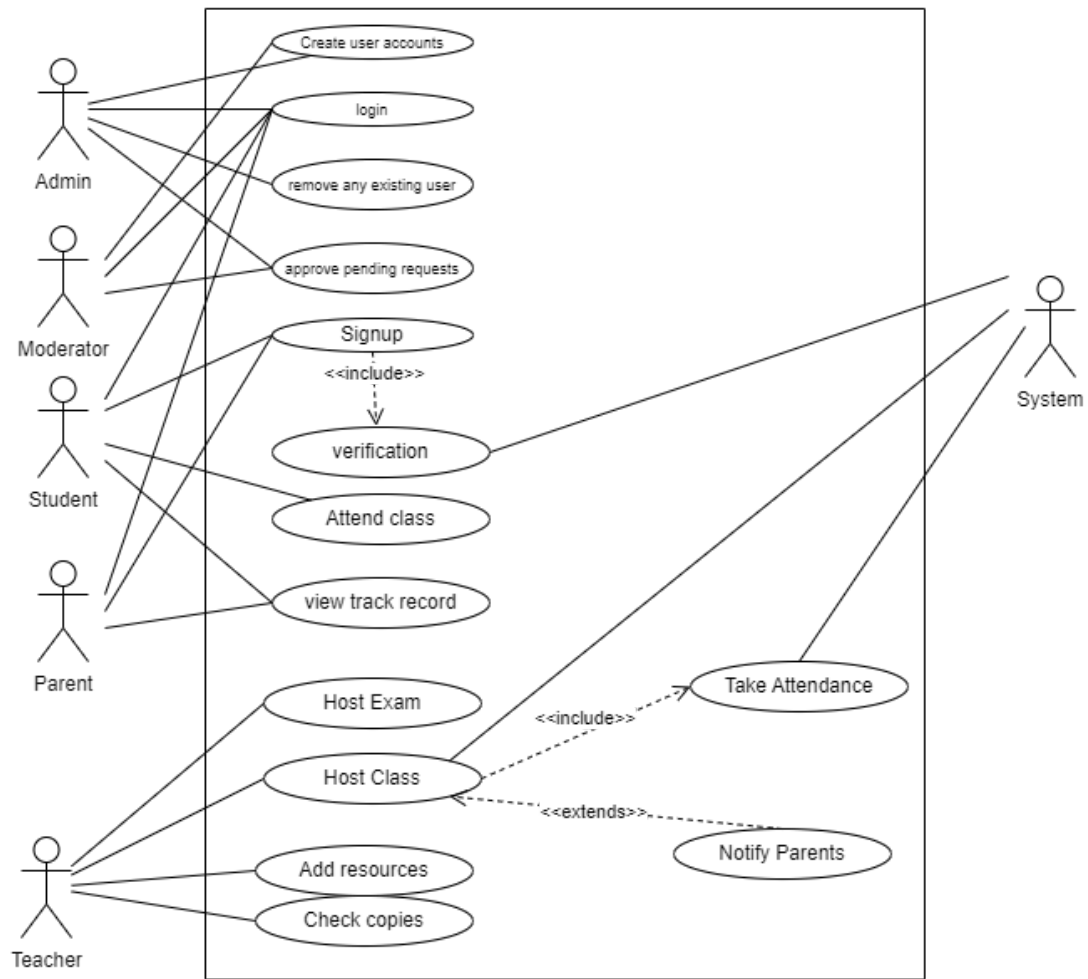
Nawsheen Mehreen 200042134:System admin and parents

Ayesha Afroza Mohsin 200042106 :Moderators and Teachers

Abrar Mahmud 200042168:Students and payment processing partners.

(Use case diagram on next page)

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Primary Actors

Secondary Actors