

## Schedule creation and classroom booking (SCCB)

The application main idea is to make university schedule available and simple in use for students and lecturers. By using this service everyone can view the schedule, use different filters to look over the schedule and authorized users can also find free classrooms, book the classroom for lessons.

**Roles :** Guest, Student, Lecturer, Admin

Role	Description
Guest	User that isn't logged in. Can sing up and log in. Also has the ability to view and filter the schedule.
Student	View the schedule, filter the schedule, find and book free classrooms. Also can get info about his/her account, change password or delete his/her account.
Lecturer	The same description with the student, but has higher priority in booking classrooms.
Admin	Can view info about users, delete users, create new users. Has ability to view and modify the schedule. Besides, has the highest priority in booking classrooms.

### Authentication Service

№	Role	Use case	Description	Action name
1	Guest	Sign up	Sign up in the system	SignUp
2		Log in	Log in to the system	LogIn
3	Student/ Lecturer/Admin	Log in	Log in to the system	LogIn
4		Log out	Log out from the system	LogOut

### Schedule Service

№	Role	Use case	Description	Action name
1	Guest/ Student/ Lecturer	View schedule	View schedule in system	ViewSchedule
2		Filter schedule	Filter schedule in system	FilterSchedule
3	Admin	Create schedule	Create schedule in system	CreateSchedule
4		Edit schedule	Edit schedule in system	EditSchedule
5		Delete schedule	Delete schedule in system	DeleteSchedule

### Booking Service

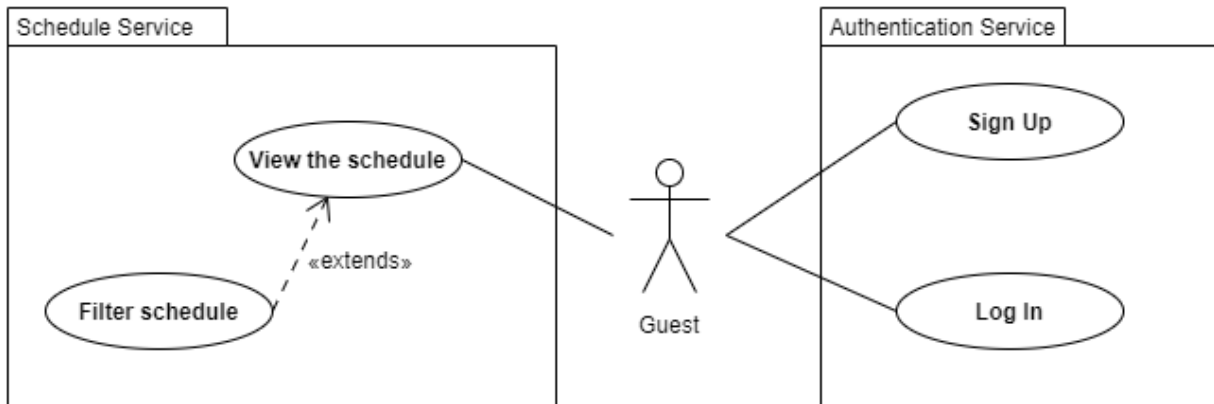
№	Role	Use case	Description	Action name
1	Student/	Book classroom	Book the classroom in system	BookClassroom
2	Lecturer/ Admin	Cancel classroom booking	Cancel booking of the classroom in system	CancelClassroomBooking

### User Management Service

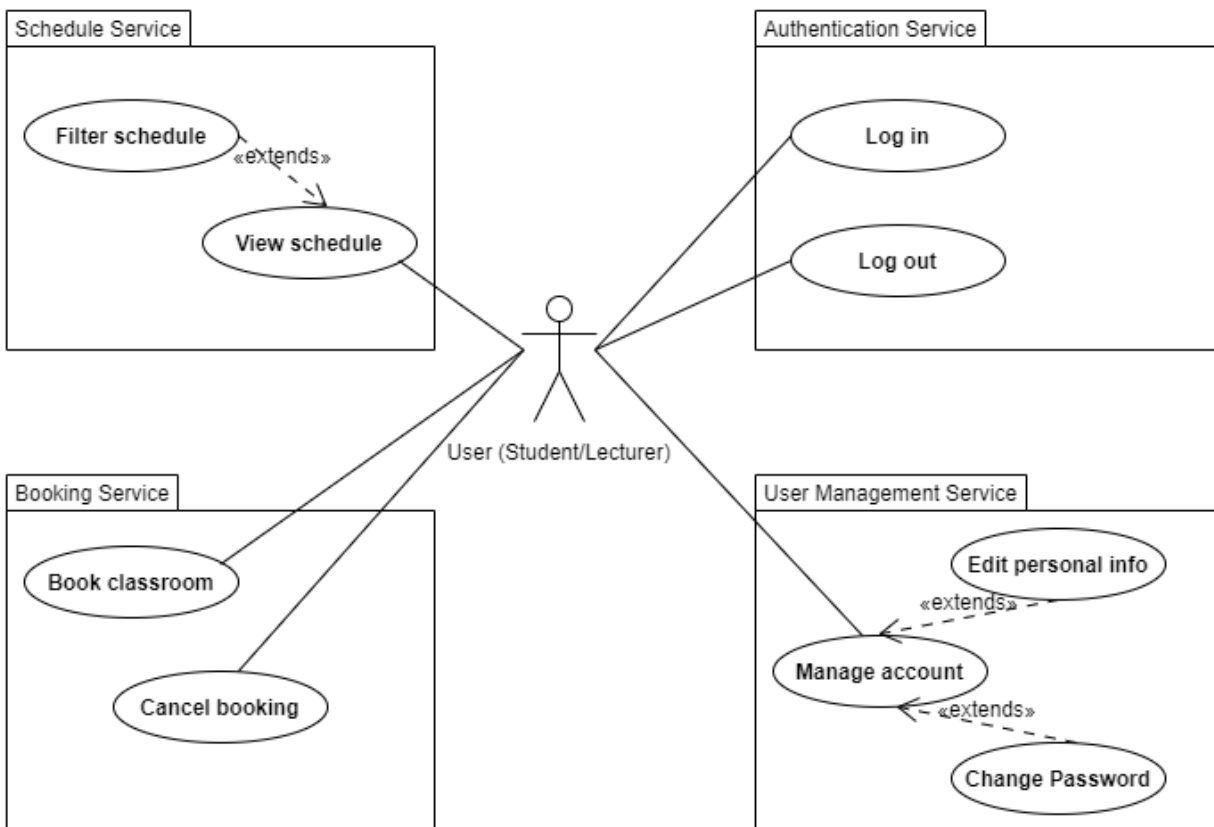
№	Role	Use case	Description	Action name
1	Admin	Create user	Create new user in system	CreateUser
2		Delete user	Delete user in system	DeleteUser
3		Change user's role	Change user's role in system	ChangeUserRole
4	Student/ Lecturer	Manage account	Manage own account	ManageAccount
		Edit personal info	User can edit his personal information	EditPersonalInfo
		Change password	User can change his password	ChangePassword

## Use case diagrams

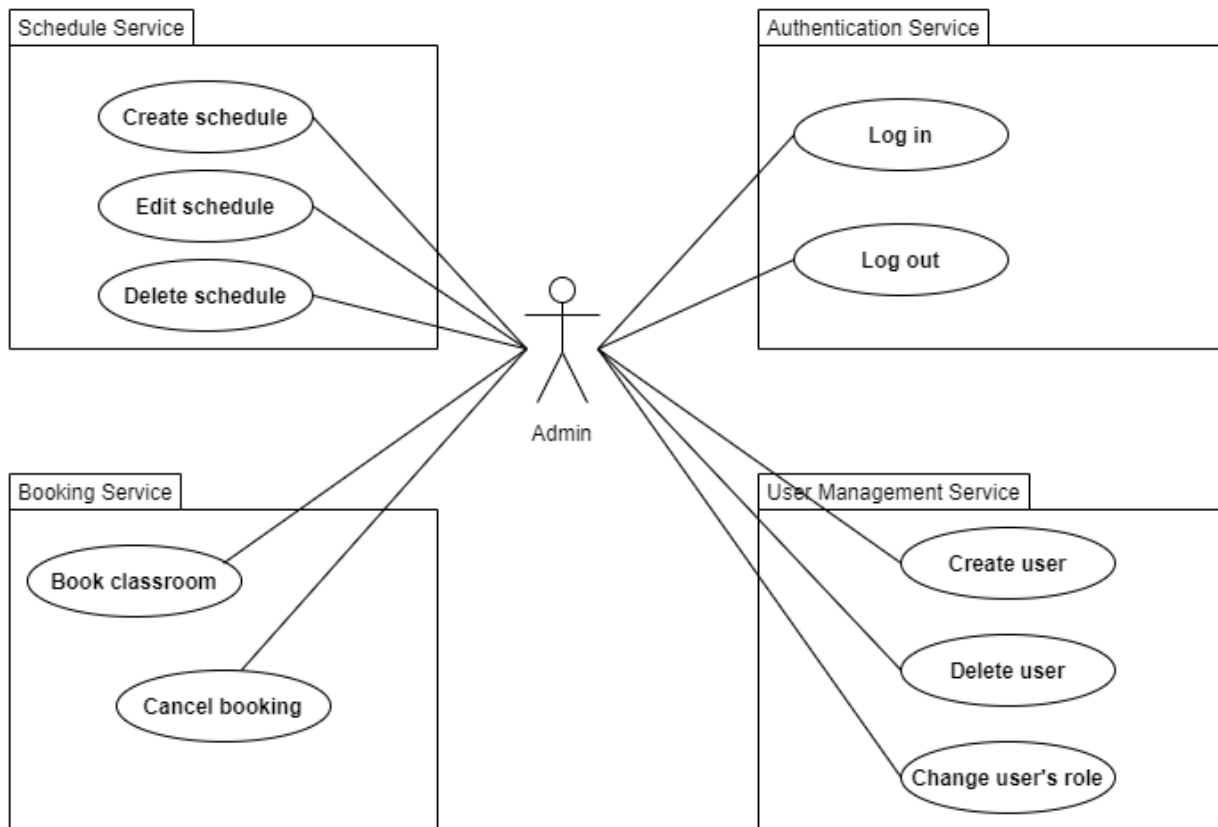
**Guest role:**



**User(Student/Lecturer) role:**



## Admin role:



## Class diagram

