Examiner

The goal of the project is to provide easy and convenient way for teacher/lecturer to test their students and for student to pass their tests. System allows to create and update tests, unite students to groups, estimate student work and pass tests.

Roles: Guest, Student, Teacher, Admin

Role	Description
Guest	User that isn't logged in. Can sign up and log in.
Student	Pass tests, joins to group, see group results, appeals question/result, get reminder about near test. Also can get info about his/her account, change password or delete his/her account.
Teacher	Create/update/delete tests, create group of students or using existed, get detailed results of passed test, accepts or rejects appeals. Also can get info about his/her account, change password or delete his/her account.
Admin	Can view info about users. Has ability to lock/unlock users with option to notify them via email.

Account Management System

№	Role	Use case	Description	Action name
1	Guest	Sign up	Sign up in system	SignUp
2		Log in	Log in to the system	LogIn
3	User	Log out	Log out from the system	LogOut

User Management System

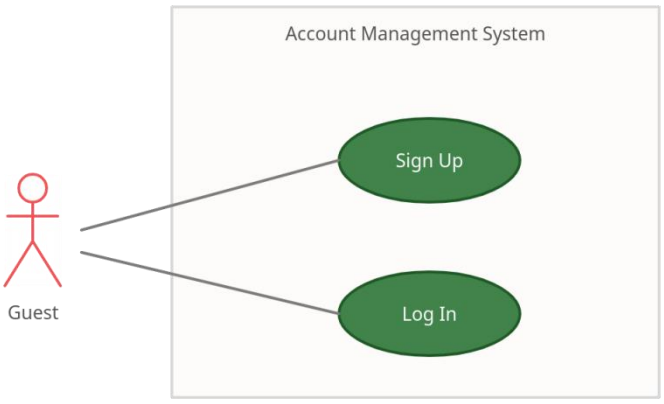
№	Role	Use case	Description	Action name
1	Teacher	Create group	Unite students to group seen only by herself/himself	CreateGroup
2	Admin	Lock user	Make user temporary unavailable to login	Ban
3		Unlock user	Restore user availability to login	UnBan
4		View statistics about users accounts	View all the details about users accounts	ViewUserInfo

Test Management System

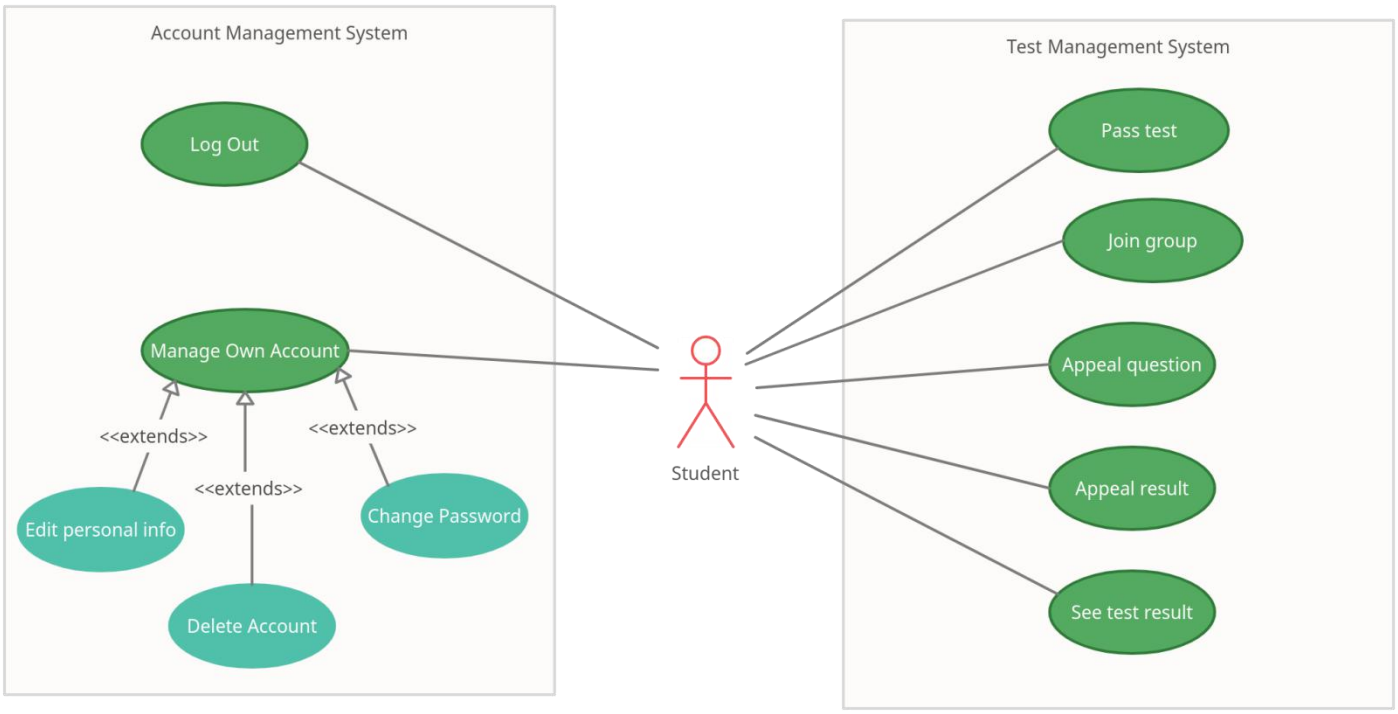
№	Role	Use case	Description	Action name
1	Student	Join group	Join to group with code given by teacher	JoinGroup
2		Pass test	Pass test created by teacher	PassTest
3		See test result	See result of passing test for each group member	SeeResult
4		View history	See results of passed test	ViewHistory
5		Appeals question	Appeals question from test to teacher, describing reason	AppealQuestion
6		Appeals result	Appeals result of test to teacher, describing reason	AppealTestResult
7	Teacher	Create test	Create test in system	CreateTest
8		Update test	Update test in system	UpdateTest
9		Delete test	Delete test from system	DeleteTest
10		Get test result	Gets the result of the test passed by the selected group	GetTestResult
11		Create group	Create group of students by itself or giving joining code	CreateGroup
12		Accept appeal	Accept appeal of student	AcceptAppeal
13		Reject appeal	Reject appeal of student	RejectAppeal

Use case diagrams

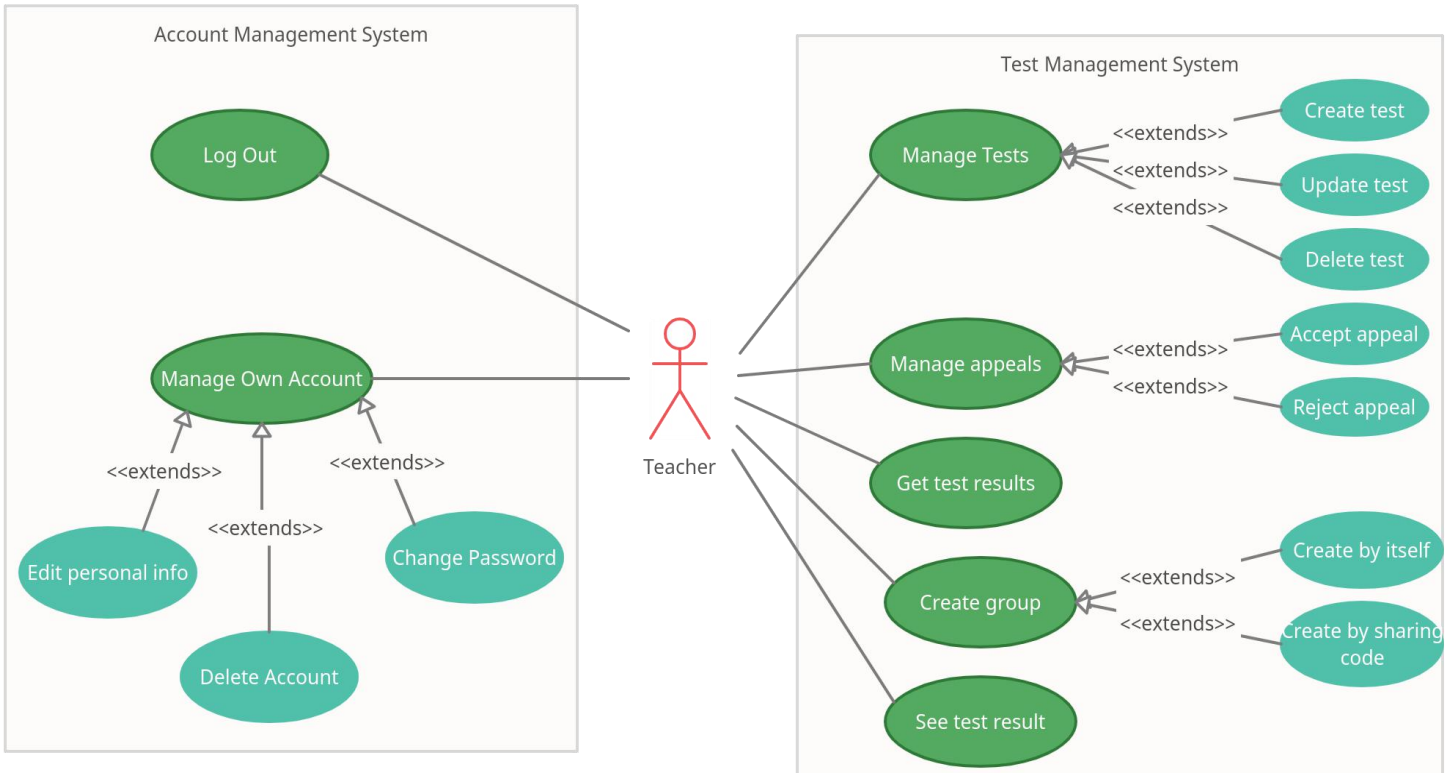
Guest role use case diagram:



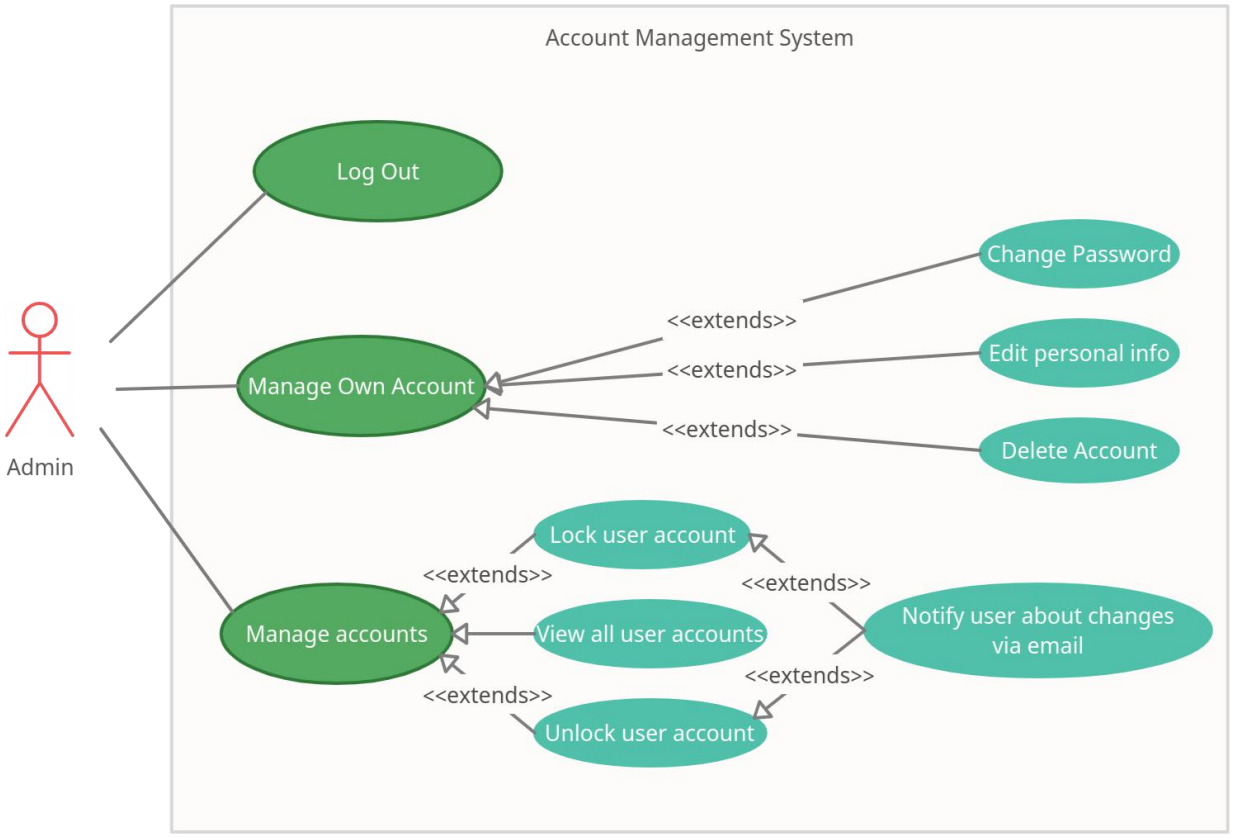
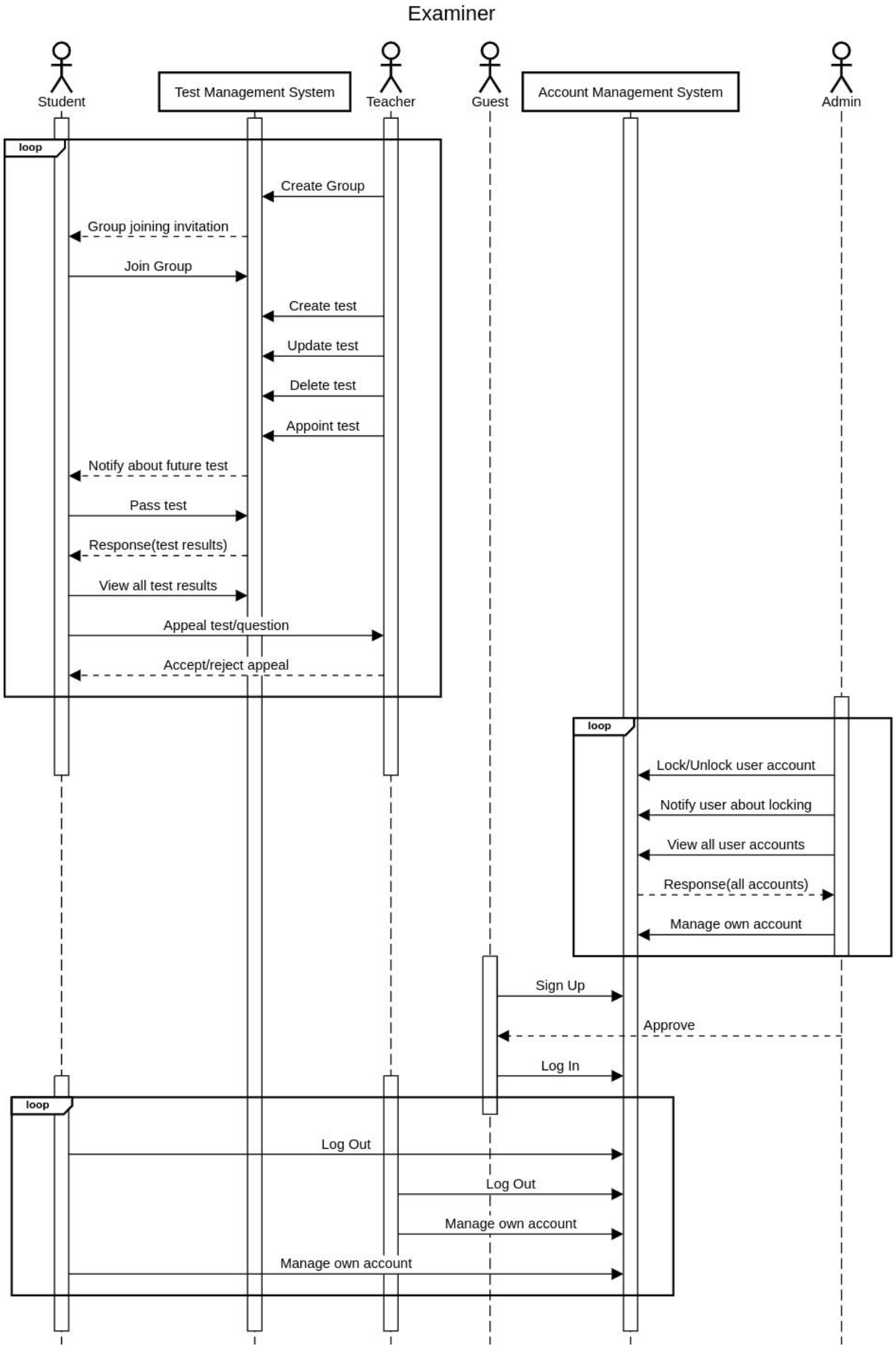
Student role use case diagram:



Teacher role use case diagram:



Admin role use case diagram:


Account Management System
Log Out
Change Password
<<extends>>
Manage Own Account
<<extends>>
Edit personal info
<<extends>>
Delete Account
Admin
Lock user account
<<extends>>
<<extends>>
Manage accounts
View all user accounts
Notify user about changes via email
<<extends>>
<<extends>>
Unlock user account

Sequence diagram