

Task Manager

The goal of the project is to provide easy and convenient way to track time spending. System allows to create tasks, set priorities, separate tasks by categories and see how much time was spent on different activities.

Roles : Guest, User, Admin

Role	Description
Guest	User that isn't logged in. Can sign up and log in.
User	Create own tasks, add description, priority, add existing or create new categories to tasks, update and remove them, search tasks, view active/archive tasks, view statistics and activity. Also can get info about his/her account, change password or delete his/her account.
Admin	Can view info about users and their not finished in time tasks. Has ability to lock/unlock users with option to notify them via email.

Task Management System

No	Role	Use case	Description	Action name	Tests
1	User	Create task	Create task in system	CreateTask	TST4 TST16 TST18
2		Change task status	Change task status in system	UpdateTask	TST5 TST19
3		Edit task	Edit task in system	UpdateTask	TST5 TST19
4		Archive task	Archive task in system	ArchiveTask	TST3 TST5 TST12 TST19
5		View task details	View all the details about his tasks(start date, when status were changed, category, priority,	ViewTaskDetails	TST7 TST13

			description)		
6		Delete	Delete task	DeleteTask	TST7 TST17 TST20 TST21 TST22

Account Management System

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

User Management System

№	Role	Use case	Description	Action name	Tests
1	Admin	Lock user	Make user temporary unavailable to login	Ban	TST23 TST24 TST25 TST26 TST27 TST28 TST32 TST40
2		Unlock user	Restore user availability to login	UnBan	TST23 TST24 TST25 TST26 TST27 TST28 TST32 TST41

3		View statistics about users accounts	View all the details about users accounts	ViewInfoAbout Users	TST23 TST24 TST25 TST26 TST27 TST28 TST30
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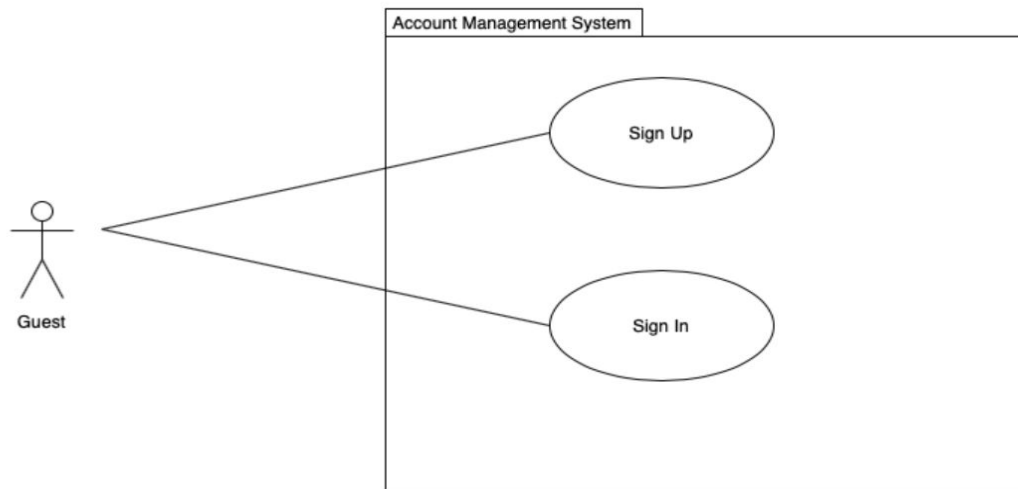
Tests

№	Test class	Test method	Code coverage
TST1	TaskServiceTests	GetListTest	60%
TST2		GetActiveListTest	
TST3		GetArchivedListTest	
TST4		CreateTest	
TST5		UpdateTest	
TST6		AnyTest	
TST7		DeleteTest	
TST8		GetByFiltersTest	
TST9		GetUsersTasksTest	
TST10		GetUsersTasksByFiltersListTest	
TST11		GetUsersActiveListTest	
TST12		GetUsersArchivedListTest	
TST13	TaskRepositoryTests	GetListTest	
TST14		GetByIdTest	
TST15		GetByNotExistingIdTest	
TST16		AddTest	
TST17		DeleteTest	
TST18	TaskControllerTests	CreateTest	
TST19		UpdateTest	
TST20		DeleteConfirmedNotExistingTest	
TST21		DeleteTest	
TST22		DeleteNotFoundTest	

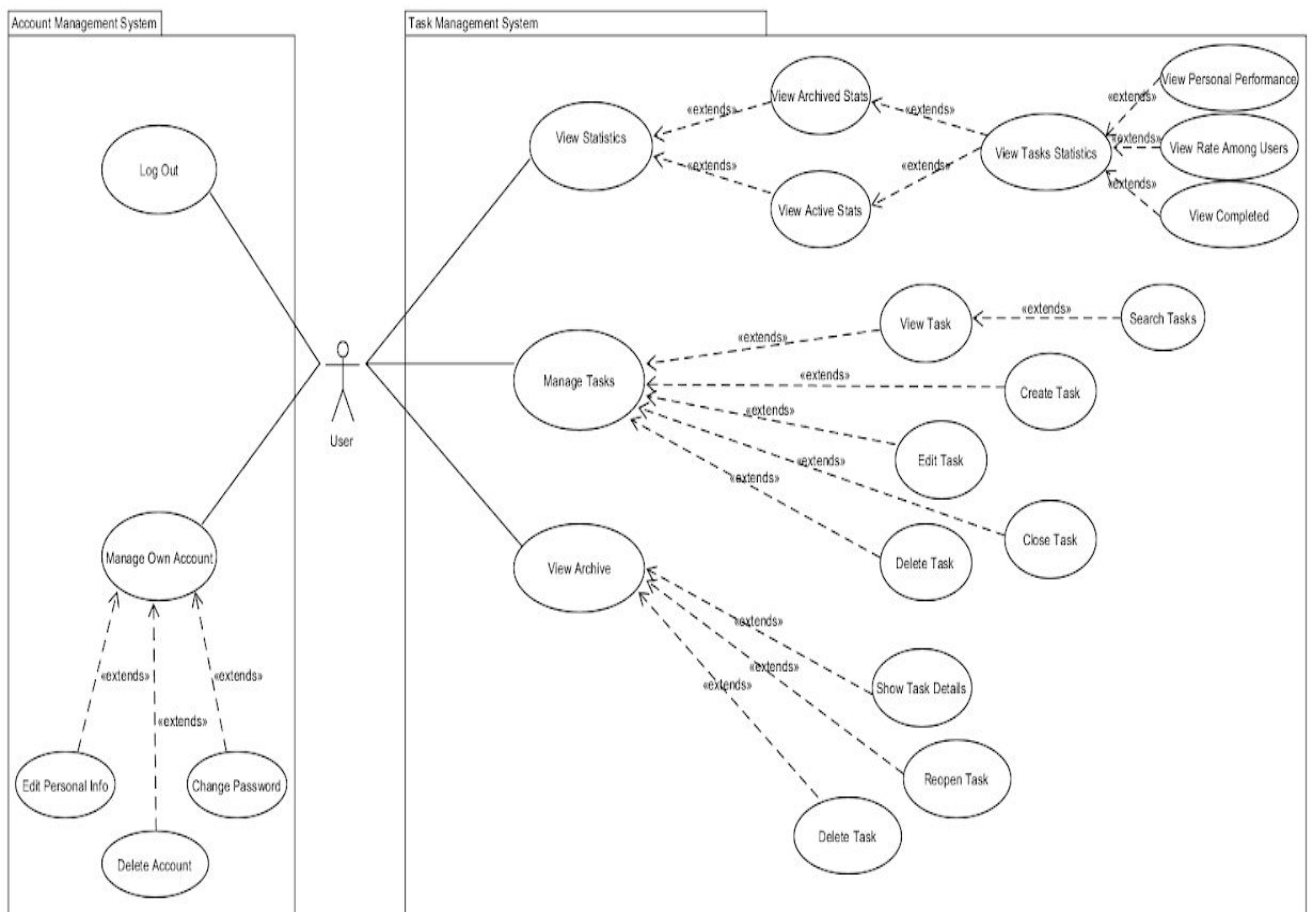
TST23	UserServiceTests	GetUserProfilesTest	
TST24		GetUserProfileTest	
TST25		GetUserProfileTestByIds	
TST26		GetUserProfileByIdTest	
TST27		GetUserProfileByIdNotExistingTest	
TST28		UpdateTest	
TST20		DeleteTest	
TST31		CountInactiveTaskTests	
TST32		IsAccountLockedTests	
TST33		AccountLockedTest	
TST34		UnAccountLockedTest	
TST35		ChangeFirstNameTest	
TST36		ChangeSecondNameTest	
TST37		ChangeFirstNameClaimsTest	
TST38		ChangeSecondNameClaimsTest	
TST39	UserControllerTest	UsersViewTest	
TST40		BanTest	
TST41		UnBanTest	

Use case diagrams

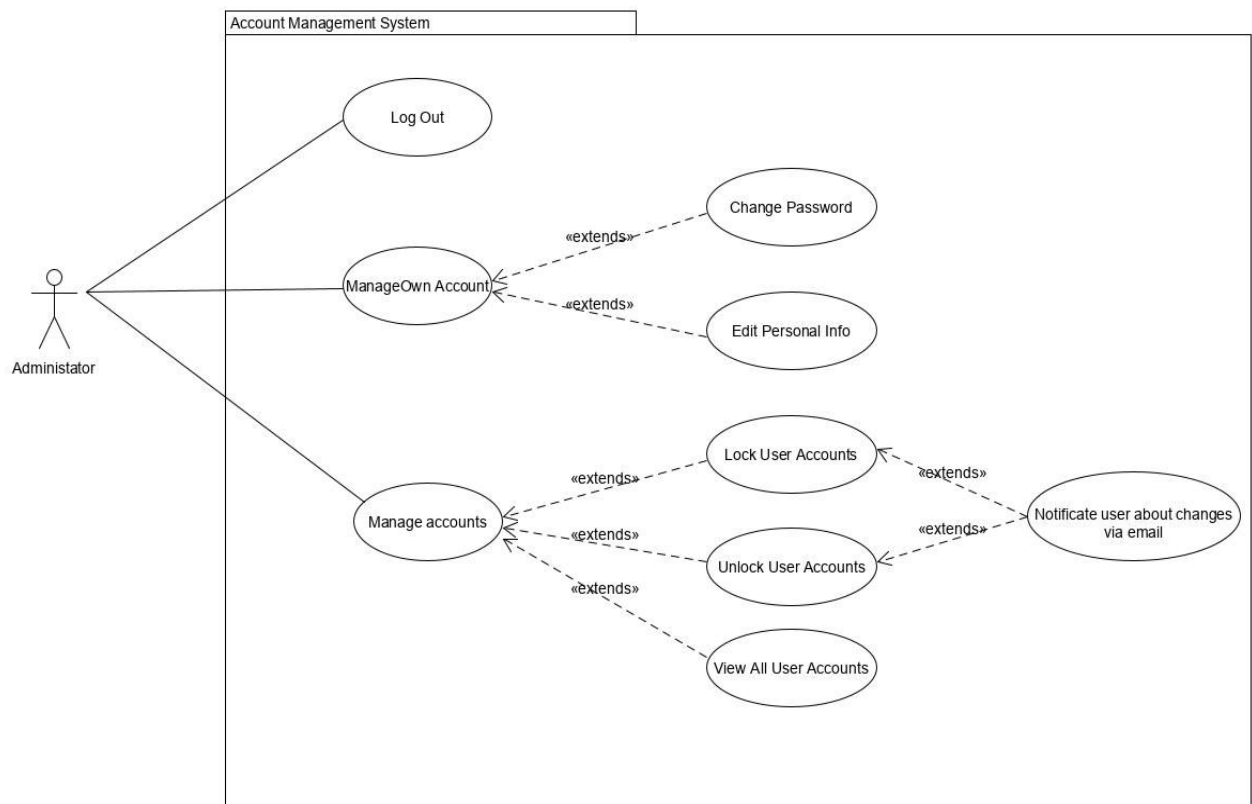
Guest role use case diagram :



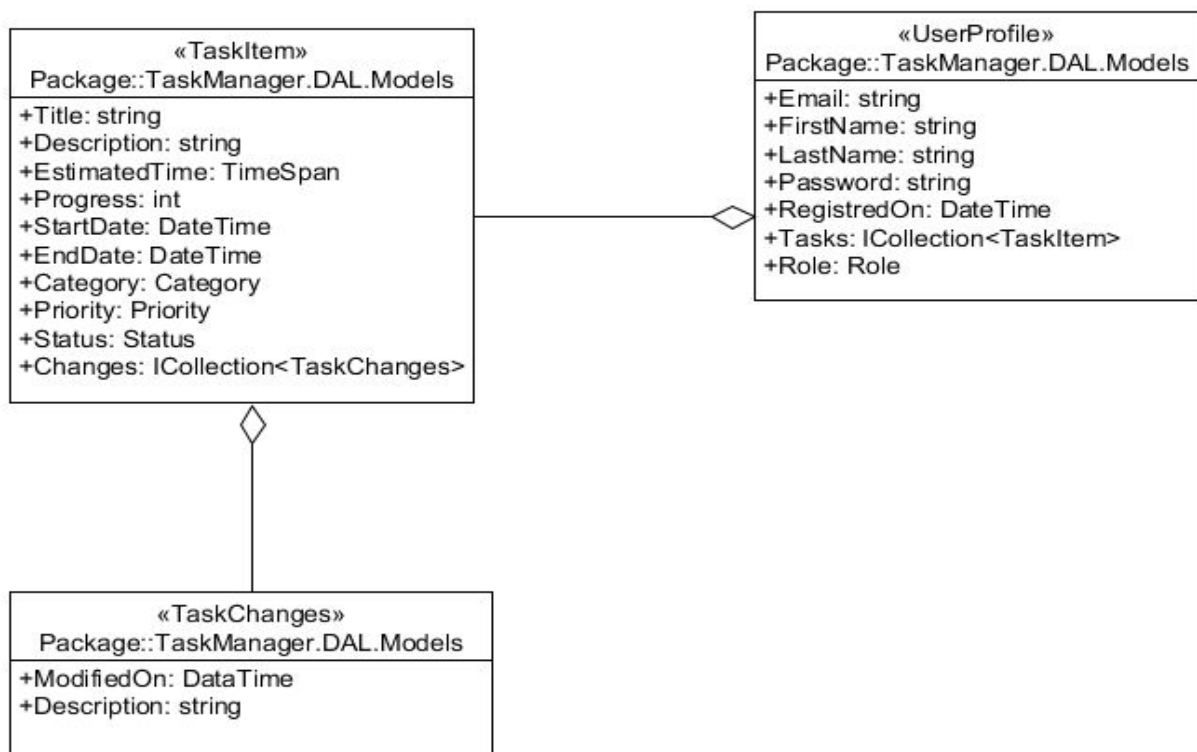
User role use case diagram :



Admin role use case diagram :



Class diagram :



Sequence diagram

