

Task Manager

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

Roles : Guest, User, Admin

Role	Description
Guest	User that isn't logged in. Can sing up and log in.
User	Logged in user. Can create own tasks, add description, priority and category to tasks, edit and remove them, search tasks, view active/archive tasks, view statistics. Also can get info about his/her account, change password or delete his/her account.
Admin	Admin can view and remove users.

Task Management System

№	Role	Use case	Description	Action name	Tests
1	User	Create task	Create task in system	CreateTask	TST2 TST9 TST11
2		Start task	Start task in system	StartTask	TST3 TST12
3		Pause task	Pause task in system	PauseTask	TST3 TST12
4		Reset task	Reset task in system	ResetTask	TST3 TST12
5		Archive task	Archive task in system	ArchiveTask	TST3 TST12
6		View task details	View all the details about his tasks(start date, when they were paused, category, priority, description)	ViewTaskDetails	TST7 TST13

7		Delete	Delete task	DeleteTask	TST5 TST10 TST14 TST15 TST16
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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

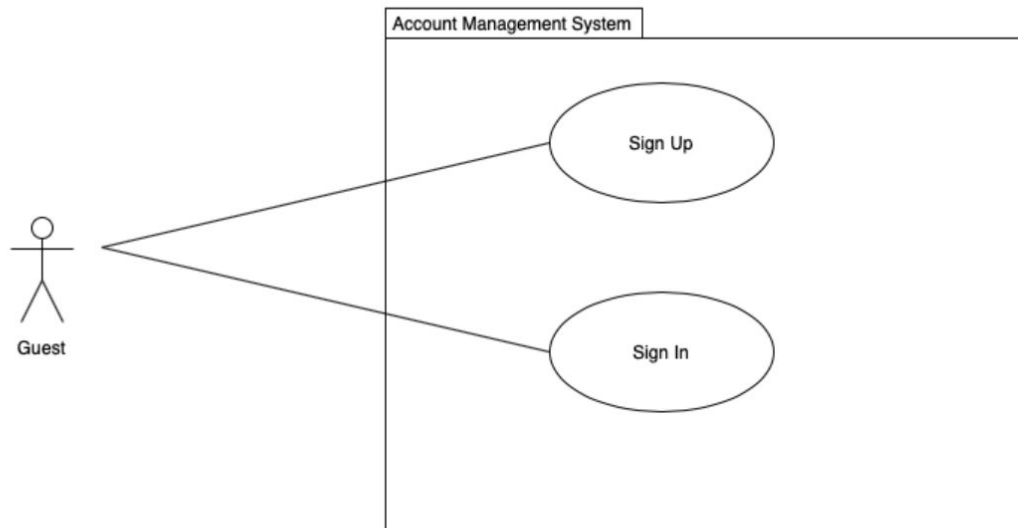
№	Role	Use case	Description	Action name
1	Admin	Remove user	Remove other users (with a non admin privileges)	RemoveUser
2		Create user	Create user in system	CreateUser
3		View all users accounts	View all the details about users accounts	ViewInfoAbout Users

Tests

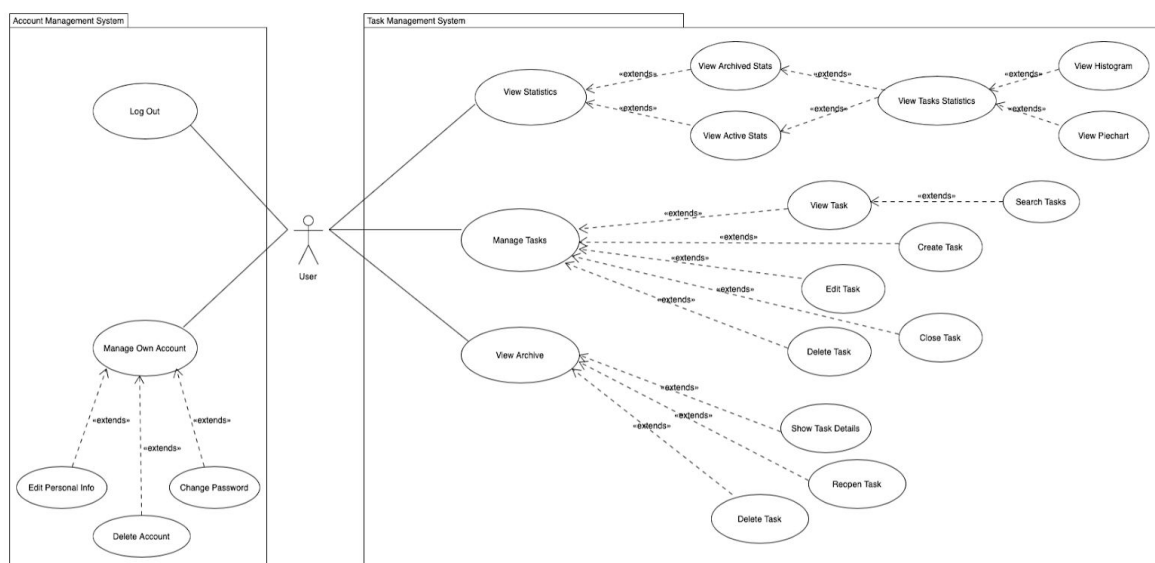
№	Test class	Test method	Code coverage
TST1	TaskServiceTests	GetListTest	
TST2		CreateTest	
TST3		UpdateTest	
TST4		AnyTest	
TST5		DeleteTest	
TST6	TaskRepositoryTests	GetListTest	
TST7		GetByIdTest	
TST8		GetByNotExistingIdTest	
TST9		AddTest	
TST10		DeleteTest	
TST11	TaskControllerTests	CreateTest	
TST12		UpdateTest	
TST13		DetailsTest	
TST14		DeleteConfirmedNotExistingTest	
TST15		DeleteTest	
TST16		DeleteNotFoundTest	

Use case diagrams

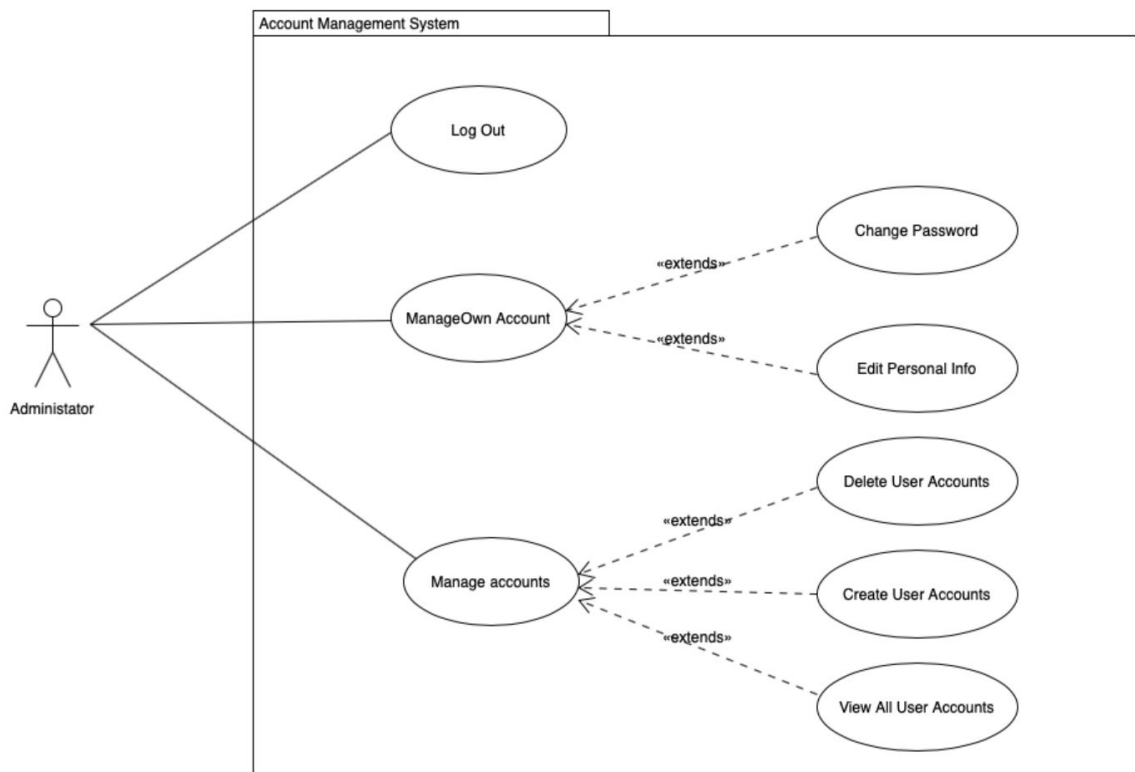
Guest role use case diagram :



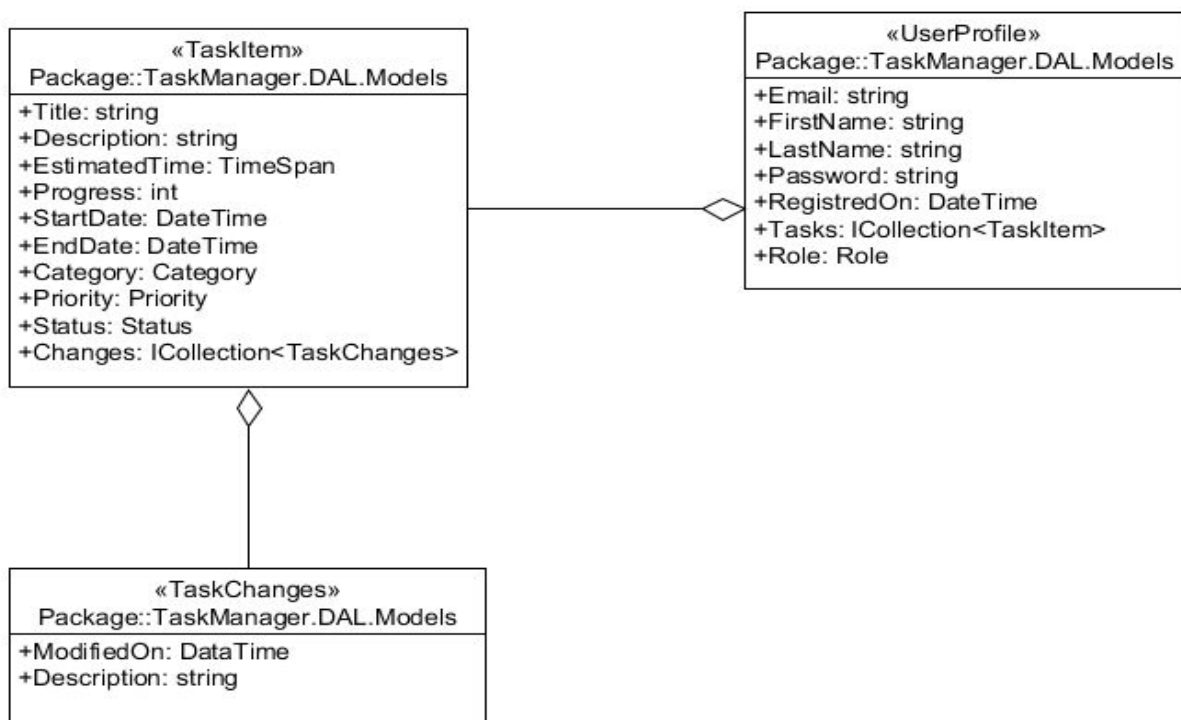
User role use case diagram :



Admin role use case diagram :



Class diagram :



Sequence diagram

