

Task Manager

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

Roles : Guest, User, Admin

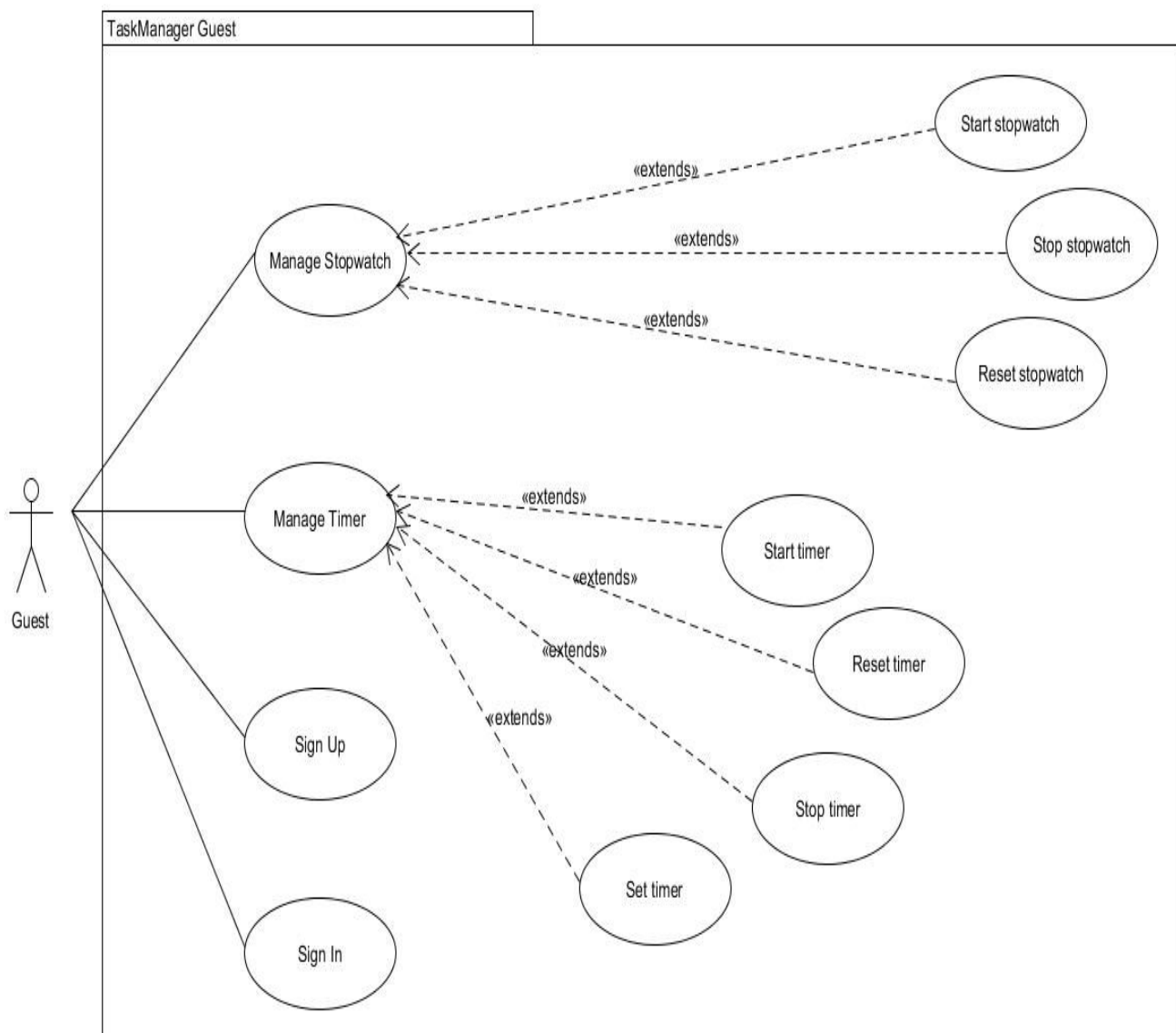
Role	Description
Guest	User that isn't logged in. Can manage stopwatches and timers, sing up and log in.
User	Logged in user(has the same functionality as Guest). Can manage stopwatches and timers, create own tasks, edit and remove them, search tasks, view active/archive tasks, view statistics. Also can get info about his/her account, change password or delete his/her account.
Admin	Includes all User role functionality and feature access. Admin role allows you to manage stopwatches and timers, create own tasks, edit and remove them, search tasks, view active/archive tasks, view statistics, remove users, provide Admin role privileges to users.

№	Action name	Role	Description	Function
1	SignUp	Guest	Guest can sign up in system	
2	LogIn	User	User can log in system	
3	LogOut	User	User can log out system	
4	CreateTask	User	User can create task	
5	StartTask	User	User can start task	
6	PauseTask	User	User can pause task	
7	ResetTask	User	User can reset task	
8	ArchiveTask	User	User can archive task	

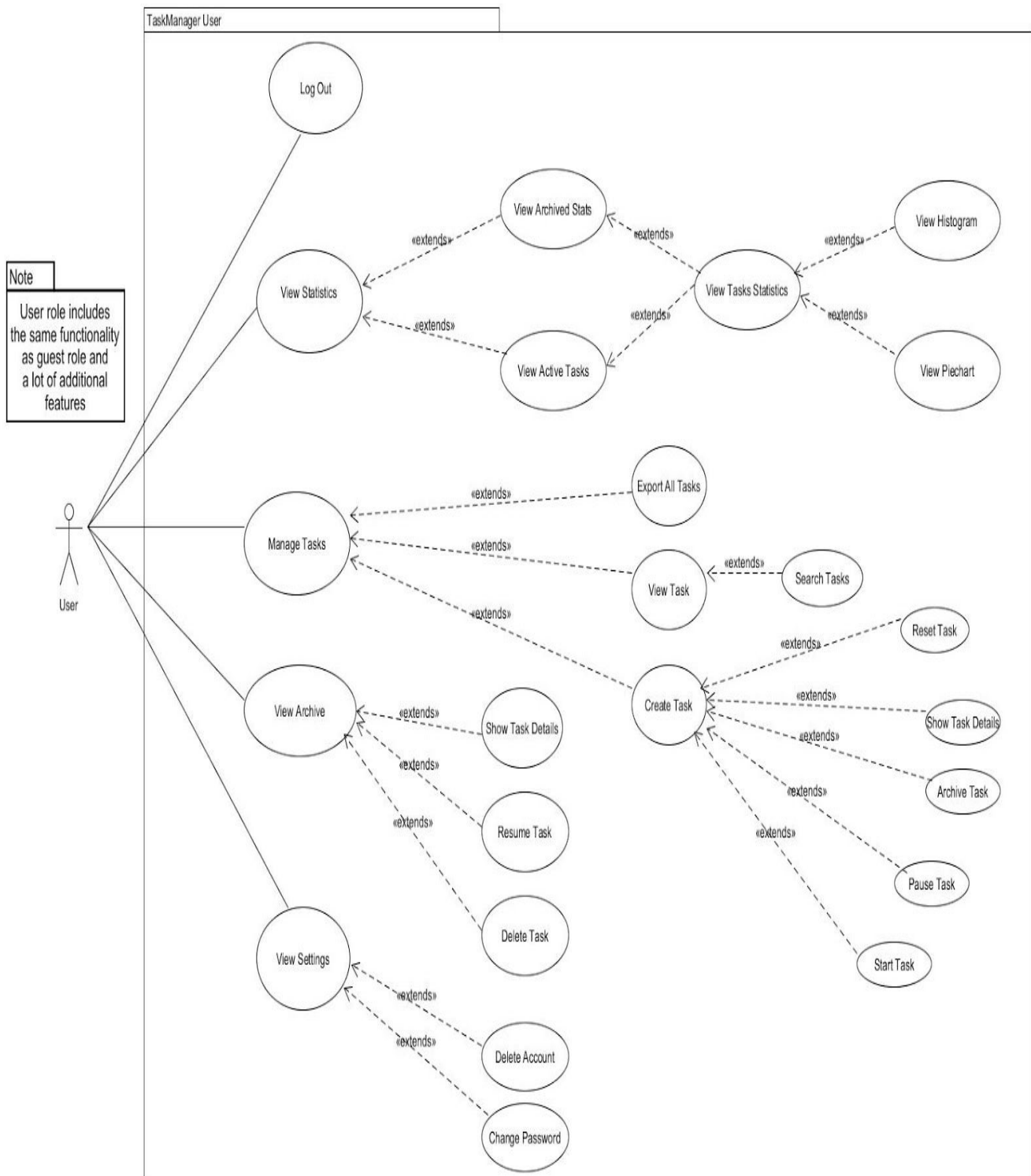
9	ViewTaskDeatils	User	View all the details about his tasks(start date, when they were paused)	
10	AddAdminPrivilege	Admin	Admin can provide “admin privilege” for other users	
11	RemoveUser	Admin	Admin is allowed to remove other users (with a non admin privileges)	

Use case diagrams

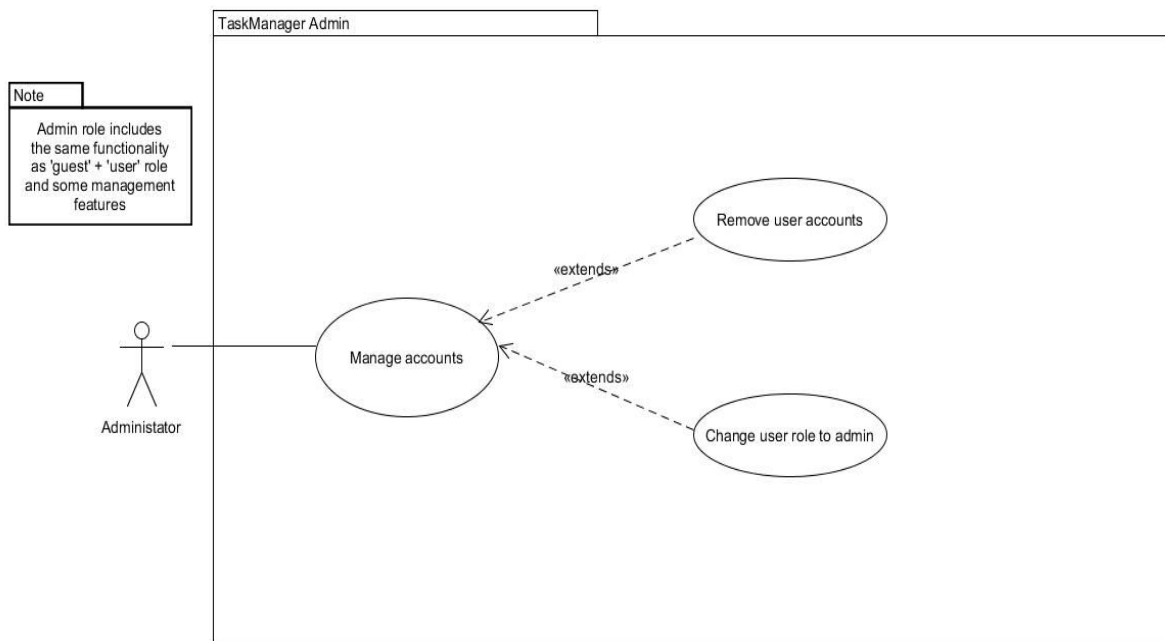
Guest role use case diagram :



User role use case diagram :

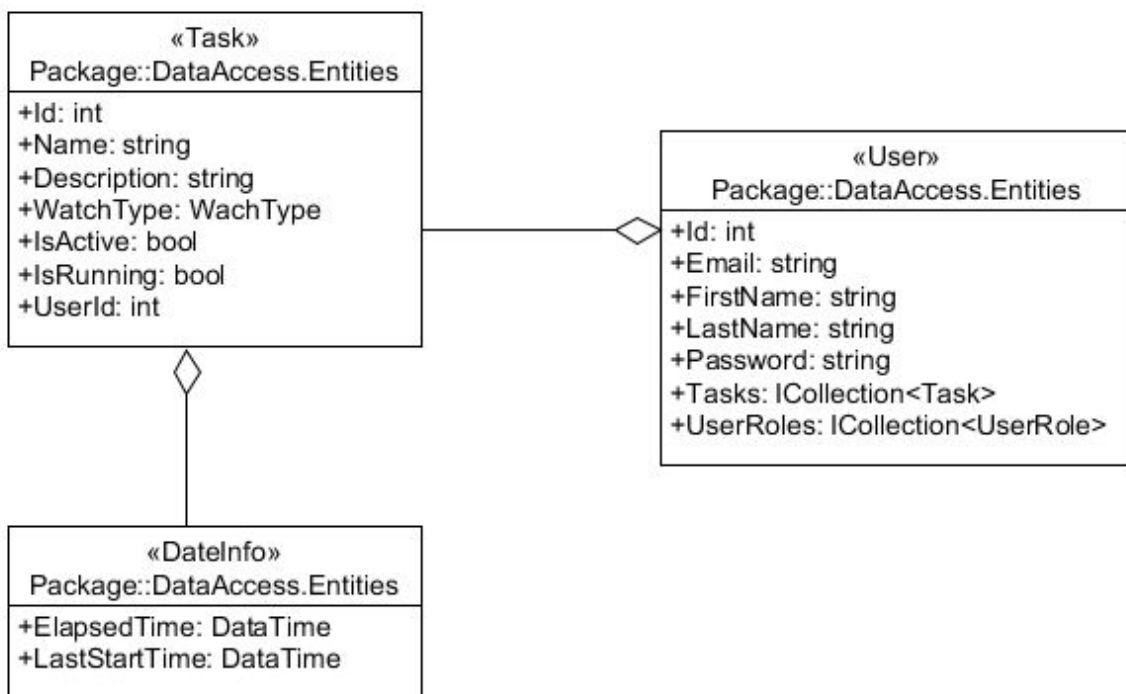


Admin role use case diagram :



Generic use case diagram is not represented here.
It could be found by [this](#) link.

Class diagram :



Sequence diagram

