Class Diagram: Employee Role- Task Management

Requirements :-

1. There are several employee type like Developer, QA etc.
2. Every employee is associated with a project.
3. Every project has a start date and an end date.
4. Employee worked on a project has a record of time period, he/she worked on that project.
5. Project also stores its budget, but only employee with role admin is able to access it.
6. There are also one more type of user i.e. guest.
7. User of this type should not be able to access all info. He/she can only see the projects and only duration of that project.

Specify the oops concept used and where?

Developer

+Specialty: String

+Assigned\_Team: String

+Current\_Project: String

+No\_of\_Previous\_Project: Int

+GetSpecilality()

+GetTeamName()

+Get\_Current\_Project()

+Cal\_Total\_Projects()

Employee

+Name: String

+Employee\_id: Int

+Employee\_pos: Int

+Employee\_joiningdate: String

+GetName()

+GetId()

+GetPos()

+CalTimeInCompany()

+GetLinks()

Guest

+Name: String

+Guest\_Id: String

+GetName()

+GetId()

Admin

+Admin\_Specialization: String

+If\_part\_of \_project\_team: Boolean

+Admin\_Team: String

+GetSpeciality()

+IfTeam()

+GetTeam()

Project

+Project\_Client: String

+Team\_Size: Int

+Project\_Time: String

#Project\_Budget: Int

+GetClient()

+GetTeamSize()

+CalDeadline()

+GetBudget()

Quality Assurance

+Assigned\_Team:String

+Current\_Project: String

+No\_of\_Previous\_Project: Int

+GetTeamName()

+Get\_Current\_Project()

+Cal\_Total\_Projects()