**Title : Create simple client project management system  
  
Overview :** Create simple Client Project Management System is designed to manage clients and their associated projects efficiently. This system will include features for adding, updating, deleting, and searching for clients and projects. Advanced features like authentication, activity logging, tagging, and notification systems will be incorporated for better usability and management.

**Tasks :**

1. Define schema type of the client and project datatype
2. Client and Project schema should be connected to each other
3. Create resolvers:  
    o Add client and project resolvers.  
    o Fetch client and project resolvers.  
    o Delete client and project resolvers (ensure that deleting a client deletes associated projects).  
    o Update project details resolvers.
4. Implement Search feature of the project and client
5. User can mark the project as in-progress or done
6. Add pagination for fetching clients and projects to handle large datasets
7. Add Sorting:  
    o Allow sorting projects by status, start date, or priority.  
    o Enable client sorting by name or the number of associated projects
8. Add Sorting:  
    o Allow sorting projects by status, start date, or priority.  
    o Enable client sorting by name or the number of associated projects
9. Implement Tagging System:  
    o Allow tagging projects with labels (e.g., "Urgent," "Client X").  
    o Add a search/filter by tags feature
10. Add Authentication and Authorization:  
     o Implement a basic authentication system.  
     o Only authenticated users can add, update, or delete clients and projects
11. Add Notification System:  
     o Notify the user when a project is nearing its deadline
12. Archive Projects:  
     o Allow users to archive completed projects instead of deleting them.  
     o Provide a feature to view archived projects.

**Note : You can use any database or simple json file for data**