Mystifier is a startup, they want to create one window solution which gives basic data of Facebook, Twitter, Google and Instagram on their web/ mobile application.

Mystifier has also decided to build reports which helps users to give insight of said networks, (trends, popular friends, most active friends, friends who are less active etc..)

Mystifier CTO thinks that data should be persistent in Mystifier owned data stores.

***Question1#: Do you agree with Mystifier to store external system data of users on their servers? Please answer with reasoning.***

***Question2#: What would be application architecture?***

***Question3#: Please create ERD with current information in hand.***

***Question4#: Please draw deployment diagram of above proposed solution.***

***Question5#: Which technologies you will propose to build above solution (Programming language, database etc)?***

***Question6#: Mystifier has done marketing push now they are expecting X number of users do you think proposed architecture will support X number of users and can be scaled up with company growing needs, if not then what changes are required to make solution scalable?***

***Note: You are free to add any extra documents which you think that helps to visualize proposed solution.***