

# Backend Assignment for SDE 1

**Create a project which can handle below**

Option to add users with following fields -

- Name
- Mobile No (unique)
- Email (unique)

Users can post a discussion which will have following fields

- Text field
- Image
- Hash Tags
- created on

A discussion can have multiple hashtags

**Expose Api for following things:**

- Create User
- Update User
- Delete user
- Show list of users
- Search user based on name
- Create Discussion
- Update Discussion
- Delete Discussion
- Get list of discussion based on tags
- Get list of discussions based on certain text, which is available in Text field

**Required Functionalities**

1. User can login/signup
2. User can search of another users
3. User can follow another users
4. User can post (only text or Image + Text)
5. Other users can comment or like on the post
6. Users can like a comment or reply on the comment
7. Uses can delete or modify post after posting
8. Users delete or modify comments
9. Users can see view count of a post
10. Users can search for any posts using the hashtags

## Submission Guidelines

- Create a LLD of the flow
- Break the system into microservice architecture
- Upload your Assignment in a github repo and send the link.
- For testing API's create a postman collection and share its public link.
- After completing the project submit your assignment using this google form

Note:-

- Candidate can use any tech stack (preferably Node or Python)
- Candidate can use any Database
- Any submissions except the shared google form will be rejected
- If you have any questions or need clarification, please feel free to reach out - [Calendly](#)  
[Link](#)

## Bonus Points

1. Create UI for Entire Flow
2. Low Level Design Document
  - a. Detailed Description of each component
  - b. Diagram illustrating the system architecture
3. Database Schema
  - a. Table/Collection Definitions and relationships
4. API Documentation
  - a. Endpoint definitions , request/response format
5. Microservice Based Infrastructure