

# LLD for Spyne Assignment project

Here's a possible low-level design (LLD):

## Microservices

### 1. User Service

- Create User
- Update User
- Delete User
- Get User by ID
- Get All Users
- Search user by name
- User signin

### 2. Post Service

- Create Post (text or text plus image)
- Edit Post
- Delete Post
- Get Post by ID
- Get Post by text
- Like Post
- Get Posts by Hashtag

### 3. Comment Service

- Like comment
- Create comment on post
- Edit comment'
- Delete comment.
- Get comments for post

## API Endpoints

## User Service

- **POST /user:** Create a new user.
- **PUT /user/:id**  
: Update user information.
- **DELETE /user/**  
: Delete a user.
- **GET /user/**  
: Get all user by ID.
- **GET /user/:id:** Get a user.
- **POST /user/signin** create signin token
- **GET /user/search** search user by name

## Post Service

- **POST /post:** Create a new post.
- **PUT /post/:id**  
: Edit a post.
- **DELETE /post/:id**  
: Delete a post.
- **GET /post/:id**  
: Get a post by ID.
- **GET /post/**  
: Get all post post by tags.

- **PUT /post/like**  
Like a post.
- **POST /posts/**  
**/unlike:** Unlike a post.
- **GET /post/discussions**  
: Get posts by text

## **Comment Service**

- **POST /comment:** Create a comment.
- **GET /comment :** Get comments for a post
- **PUT /comment/like :** Like a comment
- **PUT /comment/:id** Edit a comment
- **DELETE /comment/:id** delete a comment