

# Social Media

Instagram





# MicroServices

- User Management
- Authentication service
- Followers management
- Notification Service
- Chat Service
- Post Service
- Story Service
- Search Service



# User Management - UserDetails

## Attributes:

1. Username
2. Name
3. ProfilePic
4. Bio
5. Email
6. isVerified
7. Status (active/inactive)

## Functions:

1. CreateProfile
2. DisplayProfile
3. EditProfile
4. Deleteacc
5. VerifyRequest



# Authentication Service - Authentication

UserDetails ( POJO)

Attributes:

1. Phone number
2. Email
3. Password
4. Tokens
5. Login status

Functions:

1. loginAndLogout
2. Phone number verification
3. Email Verification
4. Account recovery



# Followers Management - Followers

UserDetails (POJO)

Attributes:

1. UserId
2. FollowerName
3. FollowerStatus(Block/Unblock)
4. IsCloseFriend

Functions:

1. messageRequest
2. removeFollower
3. RequestFollower
4. addToClosefriend
5. removeFromCloseFriend



# Notification Service - Notifications

## Attributes:

1. Sender Id
2. ReceiverId
3. time/date
4. Content
5. Response

## Functions:

1. Send notification



# Chat Service - Chat

## Attributes:

1. SenderId
2. ReceiverId
3. msg
4. messageStatus
5. Timestamp
6. reactions

## Functions:

1. sendMessage
2. unsendMessage
3. forwardMessage



# Chat Service - GroupChat

## Attributes:

1. GroupId
2. senderId
3. Msg
4. Timestamp
5. messageStatus

## Functions:

1. sendMessage
2. unsendMessage
3. forwardMessage





# Post Service - Post & likedPosts

## Attributes:

1. postId
2. Likes
3. Caption
4. contentUrl
5. songUrl
6. Type

## Functions:

1. uploadPost
2. deletePost

## Attributes:

1. postId
2. likedBy

## Functions:

1. likePost
2. unlikePost



# Post Service - Comment & tagged

## Attributes:

1. postId
2. CommentedBy
3. commentText

## Functions:

1. addComment
2. deleteComment

## Attributes:

1. StoryId
2. Postid
3. Username

## Functions:

1. addTag
2. deleteTag



# Story Service - Story & StoryViewer

## 1. Followers(POJO)

Attributes:

1. Storyid
2. postedBy
3. mediaType
4. Time
5. Privacy

Functions:

1. postStory
2. deleteStory
3. viewStory

Attributes:

1. ViewerId
2. StoryId

Functions:

1. replyStory