

Social networking site for social responsibility	Version <1.0>
Software Requirements Specification	1/1/2012
The Outliers	

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# THE OUTLIERS

# Social Networking Site for Social Responsibility.

## Software Requirements Specification

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## Revision History

<b>Date</b>	<b>Version</b>	<b>Description</b>	<b>Author</b>
1/1/2012	1.0	Synopsis	The Outliers

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# Software Requirements Specification

## 1.0 Introduction:

The SRS contains specification requirements of our project “**Social Networking Site for Social Responsibilities**”. This is a website which can be accessed by all Citizens of India. The objective of this website is to make people aware of his/her social responsibilities to make their surroundings a better place to live in and so our country. It is like any other social networking site, so it attracts youth to motivate them to be more responsible towards society. The common citizen can address his/her problem to Govt. officials and the official can respond to their queries through this site. The NGO's can also promote their events through this website.

The SRS contains overall functionality of our project.

## 1.1 Purpose

The purpose of this SRS is to specify functional & non-functional requirements, technologies, hardware & software interfaces to be used, the end-users of the software & the various environments through which the user can interact with the software, the constraints & limitation of development, for the “social networking site” scenario. This document will serve as a reference during the development and testing phase of the software.

The “social networking site for social responsibility” project is created for spreading social awareness among the citizens of India. There will also be NGOs & government officials, in the form of members for solving queries of commoner. This website will act as a platform where a commoner is able to interact with government officials, NGOs and other organizations.

## 1.2 Scope:

The Scope of the “**Social Networking Site For social Responsibility**” includes:

### a. Administrator:-

- The administrator can register all the interested users by deploying various authentication methods like authentication using valid id proof and address proof.
- It can do bulk registration of Govt. Officials and members of nongovernmental organizations.
- It can block a User.
- It can block the improper contents of one's profile.
- It can easily generate & circulate different type of reports.

### b. Common citizen of India:-

- They can maintain their friend list.
- They can send friend request to any user of the site.
- They can report abuse other users of the site.

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- They can forward their specific problem to the corresponding govt. official.
- They can upload photographs and create different albums.
- They can change their account settings and privacy settings.
- They can post scraps & private messages to their friends.
- They can share their by posting status in their profile wall.
- They can chat with their friends.
- They can post comment on status and photos. They can post comments on their own scraps or on scraps of their friends.
- They can join different nongovernmental organizations.
- They can increment or decrement responsibility score of other users.
- They can organize discussions (as in forums) and other users can post their answers /comments.

**c. Government Officials:-**

- A Govt. official has all the privileges as of a common Indian.
- In addition, he/she can respond to the problems forwarded to them.
- He/she can post blogs.
- All the govt. officials are grouped according to their departments and there is a separate profile for each department.

**d. NGOs :-**

- All the members of different Nongovernmental Organization have the functionalities as of a common Indian Citizen.
- A profile is created for the organization. Other users of the website may “Follow” the profile for providing support to the organization.
- NGOs can promote their events through this site so that more and more people can join the cause.

### **1.3 Definitions, Acronyms, and Abbreviations:**

- **HTML** (Hyper Text Markup Language): It is used to create static web pages.
- **JSP** (Java Server Pages): It is used to create dynamic web content.
- **J2EE** (Java 2 Enterprise Edition): It is a programming platform, belonging to the Java platform, which is used for developing and running distributed java

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Applications.

- **WASCE** (WebSphere Application Server Community Edition): It is an application server that runs and supports the J2EE and the web service applications.
- **WSAD** (WebSphere Studio Application Developer ): It is a designer toolkit which is Designed to develop more complex projects by providing a complete dynamic web service.
- **DB2** (IBM Database 2): It is a database management system that provides a flexible and Efficient database platform to raise a strong "on demand" business applications.
- **HTTP** (Hyper Text Transfer Protocol): It is a transaction oriented client/ server protocol between a web browser and a web server.
- **XML** (Extensible Markup Language): It is a markup language that was designed to transport and store data.
- **Ajax** (Asynchronous Java Script and XML): It is a technique used in java script to create dynamic web pages.
- **Web 2.0**: It is commonly associated with web applications which facilitate interactive information sharing, interoperability, user-centered design and collaboration on the World Wide Web.

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#### 1.4 Reference :

1. For use case diagrams:  
[http://en.wikipedia.org/wiki/Use\\_case\\_diagram](http://en.wikipedia.org/wiki/Use_case_diagram)
2. For use case report:  
<http://www.softwareprojects.org/software-requirement-management-04.htm>
3. For creating java classes:
  - <http://javadocs.org/>
  - <http://www.java2s.com/>
  - <http://www.javaworld.com/javaworld/jw-01-1998/jw-01-bookreview.html>
4. For DB2  
[www.ibm.com/software/data/db2/](http://www.ibm.com/software/data/db2/)

#### 1.5 Technologies to be used:

- **J2EE**: (Servlet, JSP, JAXP, Java Beans) Application architecture.
- **JAVA**: Application architecture.
- **WASCE**: (Web Sphere Application Server Community Edition) Web Server
- **DB2**: IBM Database.
- **Ajax**: Asynchronous Java Script and XML.
- **XML**: Extension Markup Language.
- **Web 2.0**: RSS Feed 2.0.
- **RAD 7.0**: Development tool.
- **Localization**: English



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## 1.6 **Overview:** The SRS will include two sections, namely:

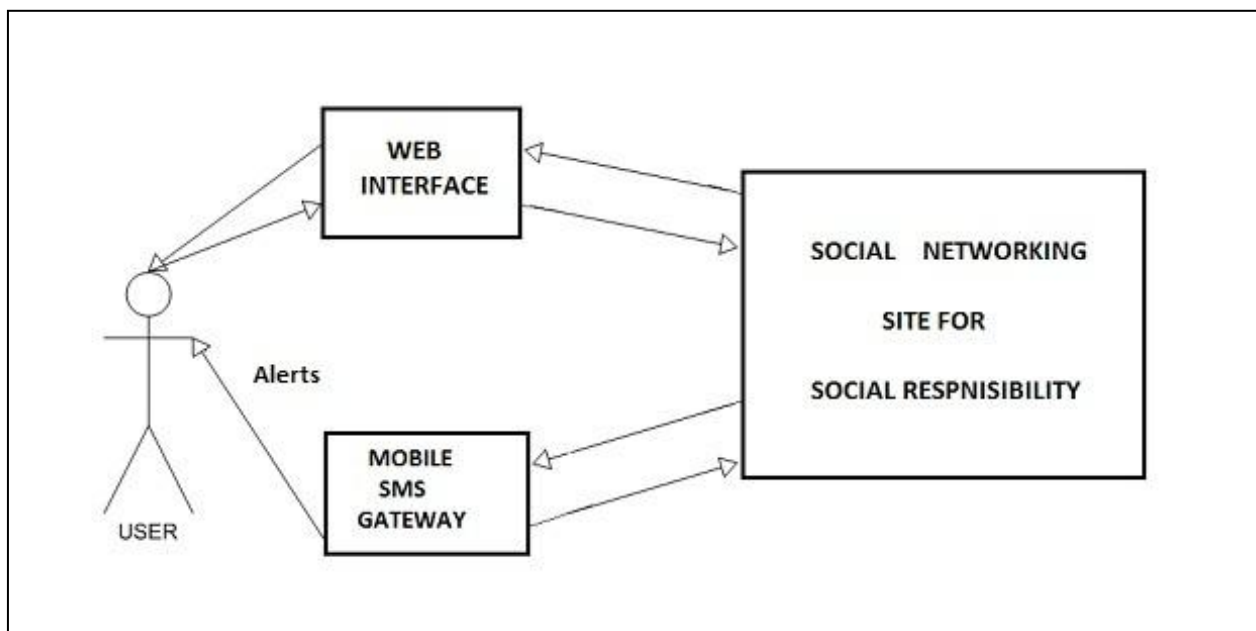
**Overall description:** This section of the SRS will provide the general factors that affect the product and its requirements. It provides the background for those requirements. The items such as product perspective, product function, user characteristics, constraints, assumptions and dependencies and requirements subsets are described in this section.

**Specific requirements:** This section of SRS contains all the software requirements mentioned in section 2 in detail sufficient enough to enable designers to design the system to satisfy the requirements and testers to test if the system satisfies those requirements. This section will describe the functions of actors, their roles in the system and the constraints faced by the system.

## 2.0 **Overall Description:**

### 2.1 **Product Perspective:**

All the users of this system can login to the application only after being registered users of the application. Since this is a web application all users can access the application from any device/workstation which supports a web browser & active internet connection. Below is the product perspective represented for each user using the use case context diagram.



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## 2.2 Software Interface:

- **Front End Client:**

HTML, DHTML, JavaScript, Servlets & JSP

- **Web Server:**

WASCE (WebSphere Application Server Community Edition) WebServer.

- **Data Base Server:**

IBM DB2

- **Back End:**

Web 2.0, RSS Feeds 2.0

## 2.3 Hardware Interface:

- **Client Side:**

- Desirable: 1GHz processor, 256MB RAM, any OS
- Standard: A web application can function across various platforms on minimum configurations required to run a web application which all contemporary workstation provide.

- **Server Side:**

- Minimum requirements for installing IBM DB2: All Intel & AMD processors capable of running 32-bit or 64-bit OS
- 512 MB RAM and an additional ram per 5 client connections
- 3GB of Hard Disk space
- Minimum requirements for installing Web Sphere: All Intel & AMD processors capable of running 32-bit or 64-bit OS
- 375 MHz processor
- 2 GB RAM
- 6 GB of Hard Disk space

## 2.4 Product Functions:

### A. **Functional Requirements:-**

- This website is a common platform for all the users i.e. all the users have their own profile through which they can raise their voice and involve more crowd with them. The views of different users can be shared through the features like status, scraps, chat and private messages.

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- NGOs can also promote their perspective events on our site. The Govt. Officials can also pay heed towards the problem being faced by general public through complaint boxes.
- One can start debates and discussions on current affairs through forums. The latest discussions and related topics of the forums being joined by different users are prompted in the inbox of the corresponding user.
- All the users will be able to customize their profile as per their choice with the help of change account settings option.
- Each user is able to score positive or negative you find your classmate did a good job at the college function arrangements, you can increase his responsibility score by +1. If you find your neighbor smoking in public in front of children, you can decrement his responsibility score by 1 through our score feature.
- The authentication process done by the admin is using valid documents, thumb impression so that no user can have more than one account in our website.
- Once the discussion about dispute between some individuals comes to conclusion, the people in friend list of the person that comes out to be culprit can decrement his/her responsibility score.

#### **B. Non-Functional Requirements:-**

- Secure access of confidential data (user's details). SSL can be used.
- 24 X 7 availability
- Better component design to get better performance at peak time
- Flexible service based architecture will be highly desirable for future extension

### **2.5 User Characteristics:**

The various end users of the website are:

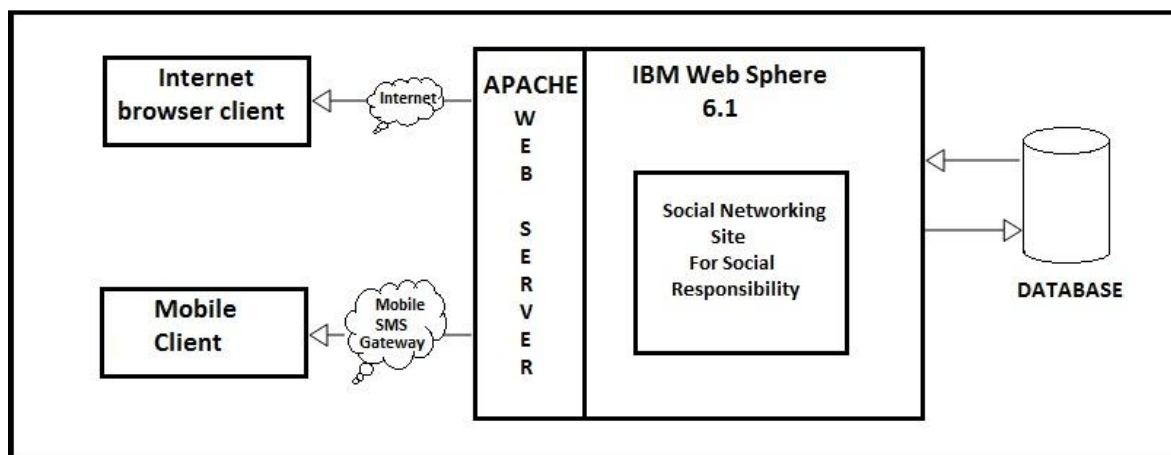
- **Administrator:** - Admin can perform any task of the site. All sort of updation, maintenance is done by the admin.
- **Govt. Officials:** - These are the special users whose registration is being done by the admin itself. They can look after the difficulties which come under their notice to help general public. They are grouped according to their departments and each department has its own profile. The govt. official who belongs to a particular department are listed in the department's profile.
- **NGOs:** - These are the organizations that can promote different causes and highlight the problems being faced by the society. They support various causes and involve general public and also draw attention of governing bodies towards the problem.
- **Common citizen of India (commoner):-** A common user will register itself to the site and perform his/her part of work. They can follow any organization and send complaints.

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## 2.6 Constraints:

- Password should be longer than 6 symbols. Maximum 15 symbols are allowed in password.
- The user's login name shall be unique. User's login name shall be longer than 5 symbols.
- Private messages of a user are not visible to other users.
- A Govt. official is capable of viewing the complaints present in his complaint box.

## 2.7 Architecture Design:



- Internet browser clients are the users who are using this application through internet either from a personal computer or from a smart phone.
- SMS alert facility is present in the application. Mobile clients are those users of the application who are having a cell phone.

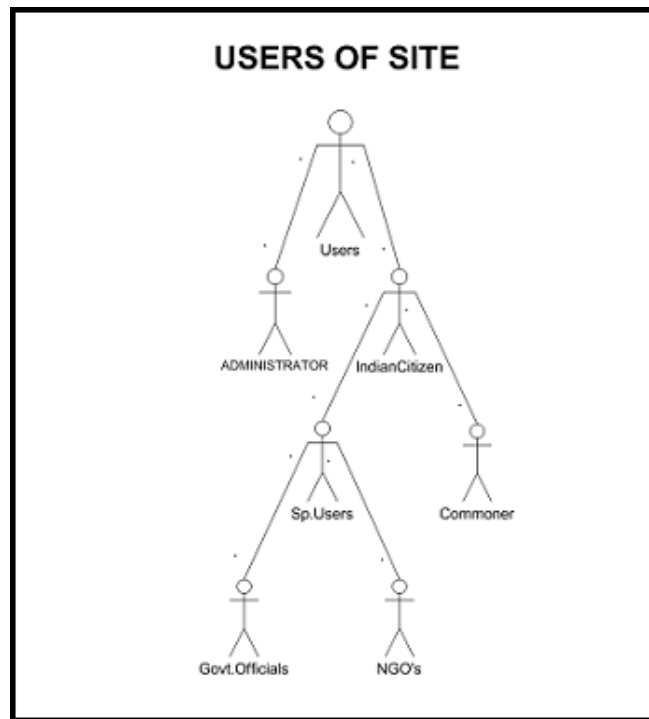
## 2.8 Use Case Diagram:

### 1. Users of the Site

- Administrator
- Indian citizen
  - Govt. Officials: A government official is an official who is involved in public administration or government, through either election, appointment, selection, or employment.
  - NGO's: A non-governmental organization (NGO) is a legally constituted organization created by legal persons that operates independently from any government.

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- Commoner: One of the common people or Indian citizens other than government officials and members of NGO's.

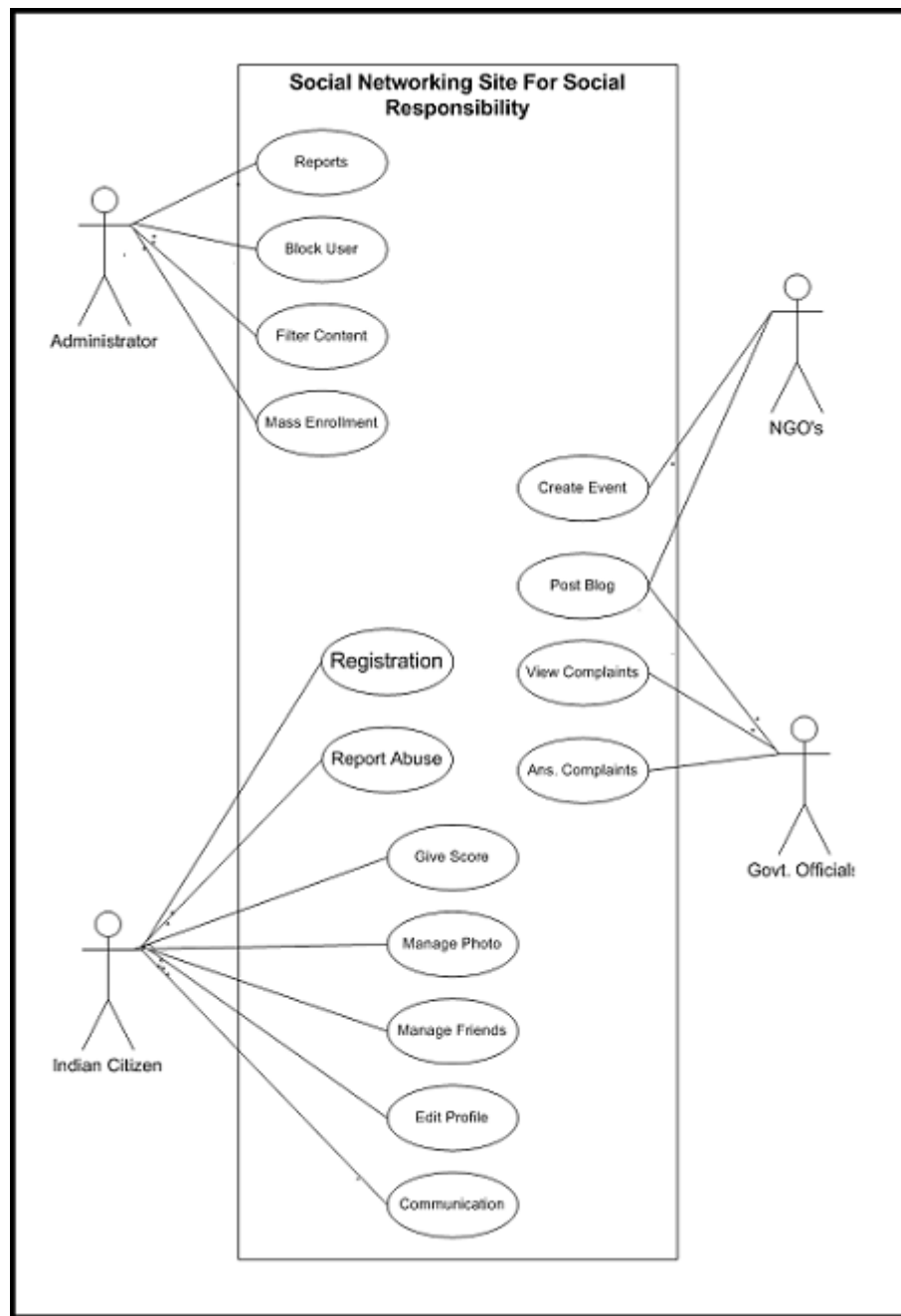


## 2. Context Diagram (Level Zero diagram)

### A. Level zero Diagram(context Diagram)

This diagram Show the basic features provided to different users.

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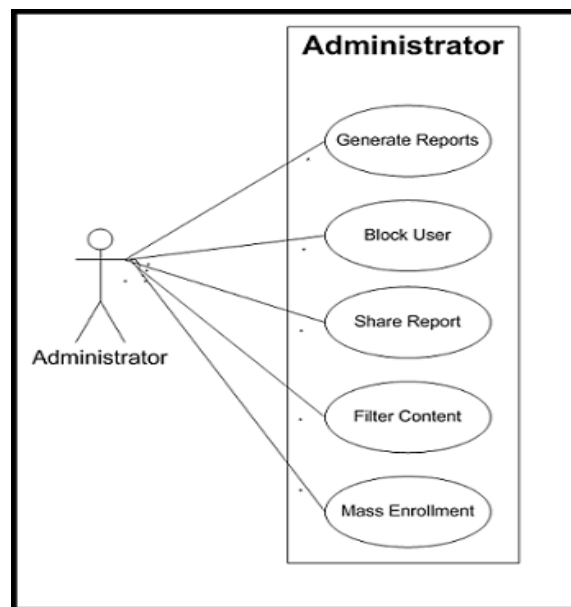
## B. Features for Administrator

i. Generate Reports: administrator can easily view all type of reports.eg.

- Reports for general user

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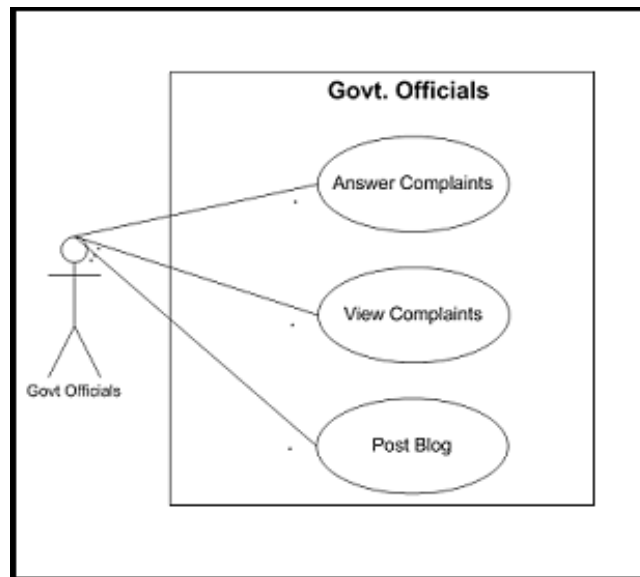
- Reports for a fit-to-purpose group, task force or NGO
  - Reports that can be easily generated for forwarding to Govt. (about summary demographic level).like how Responsible people drive from various cities etc.
- ii. Share reports: the reports are shared with govt. officials, NGO's and other users of website if necessary.
  - iii. Block user: if value of report abuse count, for a user, exceeds a limit then profile of that user is temporarily blocked.
  - iv. Filter contents: administrator can block contents of a user.
  - v. Mass Enrollment: it includes registration of Govt. officials of a particular department and registration of members of non-governmental organization.



### C. Features for Govt. Officials

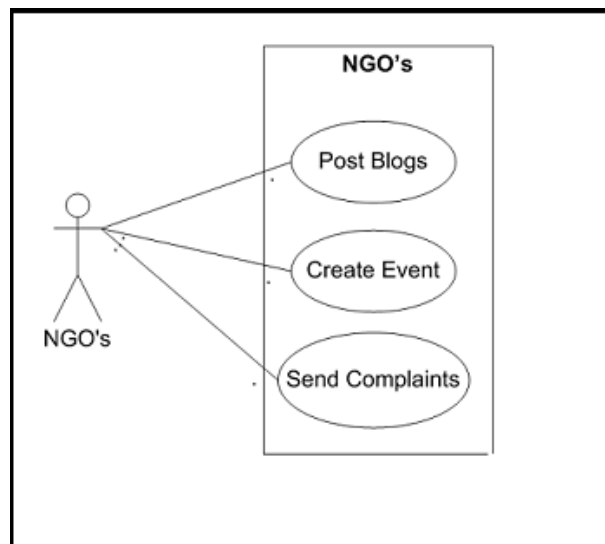
- i. Answer Complaints: Govt. officials will respond to the queries of the commoner & help them to solve their problems.
- ii. View complaints: Govt. officials can view complaints on notification and respond accordingly.
- iii. Post blogs: Blogs are usually maintained by an individual with regular entries of commentary, descriptions of events.

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#### D. Features for NGO's

- i) Post blogs: NGOs can post blogs regarding the cause they are supporting and maintain them from time to time.
- ii) Events: The NGO's can also promote events. They can also update the information in case of any changes in the event are made.
- iii) Send complaints: The NGO's can acknowledge their grievances to the govt. officials.



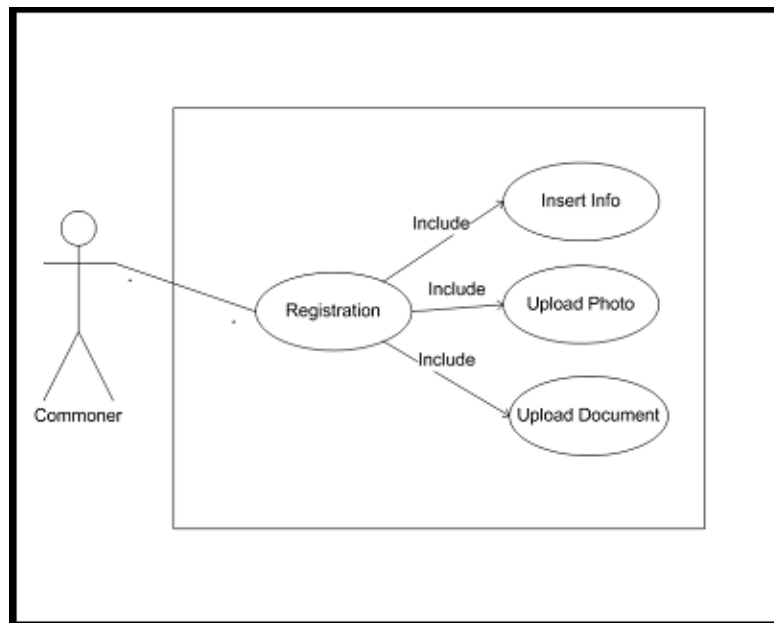
### 3. Use Case scenario 1: Registration



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It includes

- i. Inputting information: The user can input the information about his whereabouts during registration.
- ii. Uploading photo: A user can upload profile photograph in his/her profile during registration.
- iii. Uploading document: Any valid document can be uploaded by any user in his/her profile for registration.

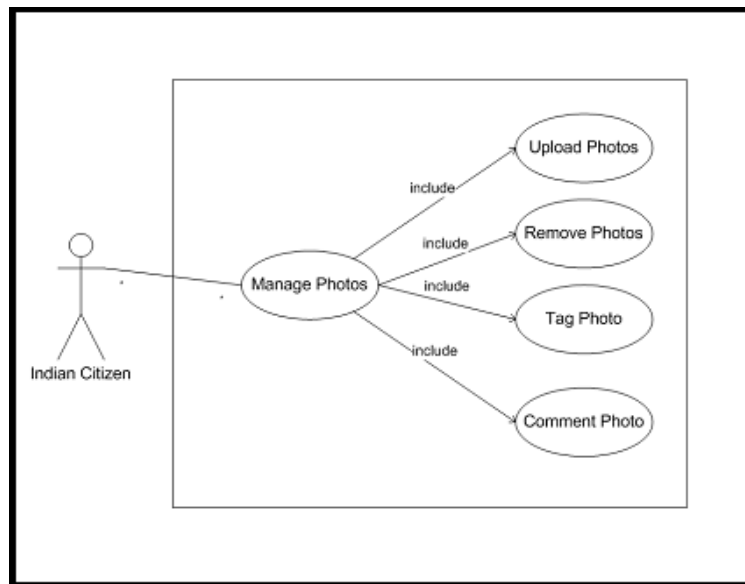


#### 4. Use case scenario 2: Manage Photo:

It includes

- i. Photo uploading: A user can upload photos and maintain them in different albums.
- ii. Photo tagging: A user can tag photos in his/her albums or tag photos in the albums of his/her friends.
- iii. Photo Commenting: A user can post comment on the photographs of his profile as well as photographs in the profile of his friends.

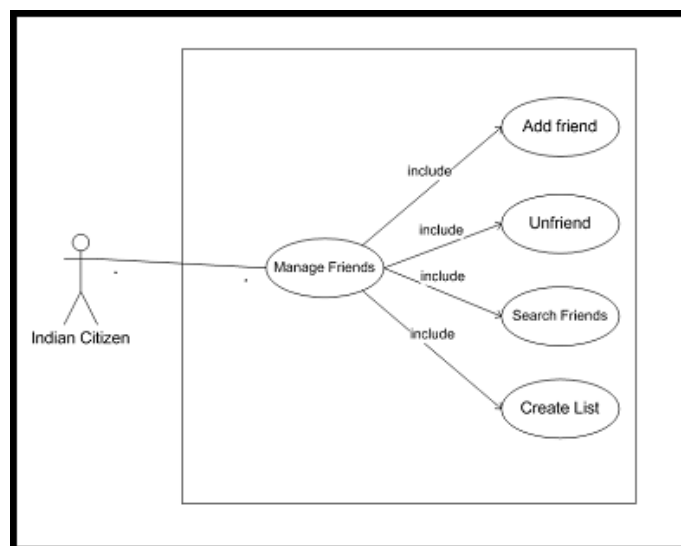
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### 5. Use case scenario 3: Manage Friends:

It includes

- i. Add Friend: a user can add other users in his/her friend list to share his views and problems with them.
- ii. Unfriend: The act of removing a friend from friend list.
- iii. Search Friend : By entering the name of a person or organization for searching a user can find the profile of that particular person or organization.
- iv. Create list: A user can group his friends on the site as best friend, work, relatives etc.

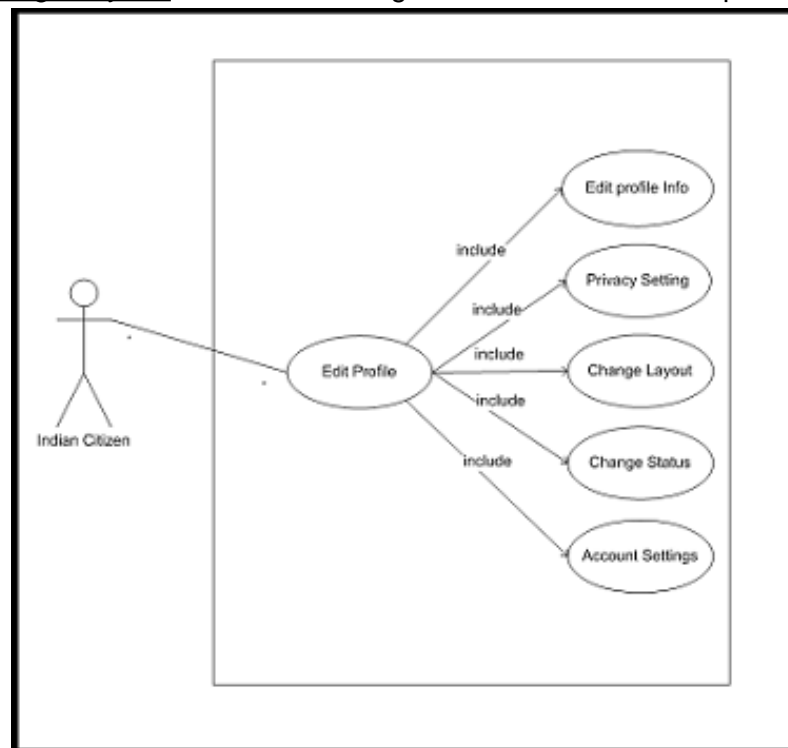


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## 6. Use case scenario 4: Edit profile:

It includes

- i. Account settings: A user can choose his/her account settings as per choice.
- ii. Privacy settings: A user is able to hide certain features of his/her profile by changing ones privacy settings.
- iii. Edit profile Info. User can edit his/her info any time he/she wants to do so.
- iv. Change status: User can change his/her status 24/7.
- v. Change Layout: A user can change the themes for his/her profile.

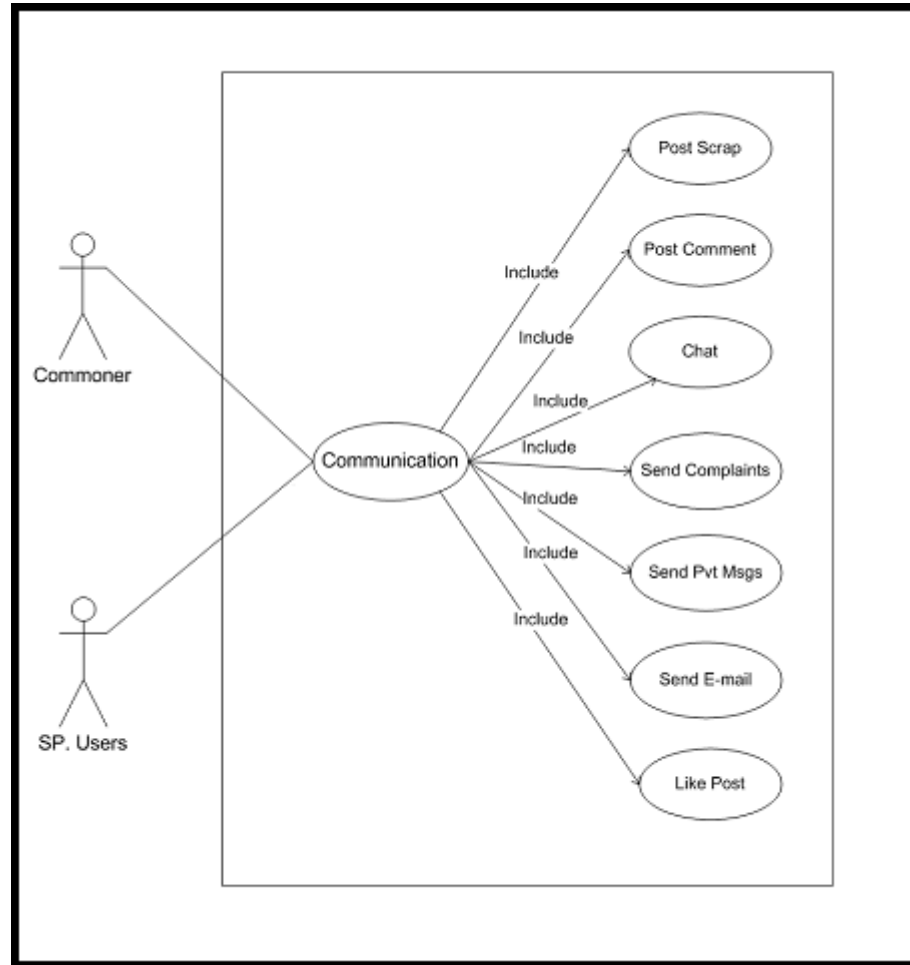


## 7. Use case scenario 5: Communication

- i. Post scraps: A user can post scraps to any of the person in his/her friend list and share his views.
- ii. Post comments: A user can post comments on the status, photos & scraps of his/her friend.
- iii. Send Private Message: A user can also interact with his/her fiends through private messages.
- iv. Chat: two friends can communicate with each other if they are online at the same time.
- v. Send complaints: A user can send complaints or his queries to high Govt. officials.

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- vi. Like post: A user can like post. Photos, status of his/her friends.
- vii. Send e-mail: One can also email to his/her friends.



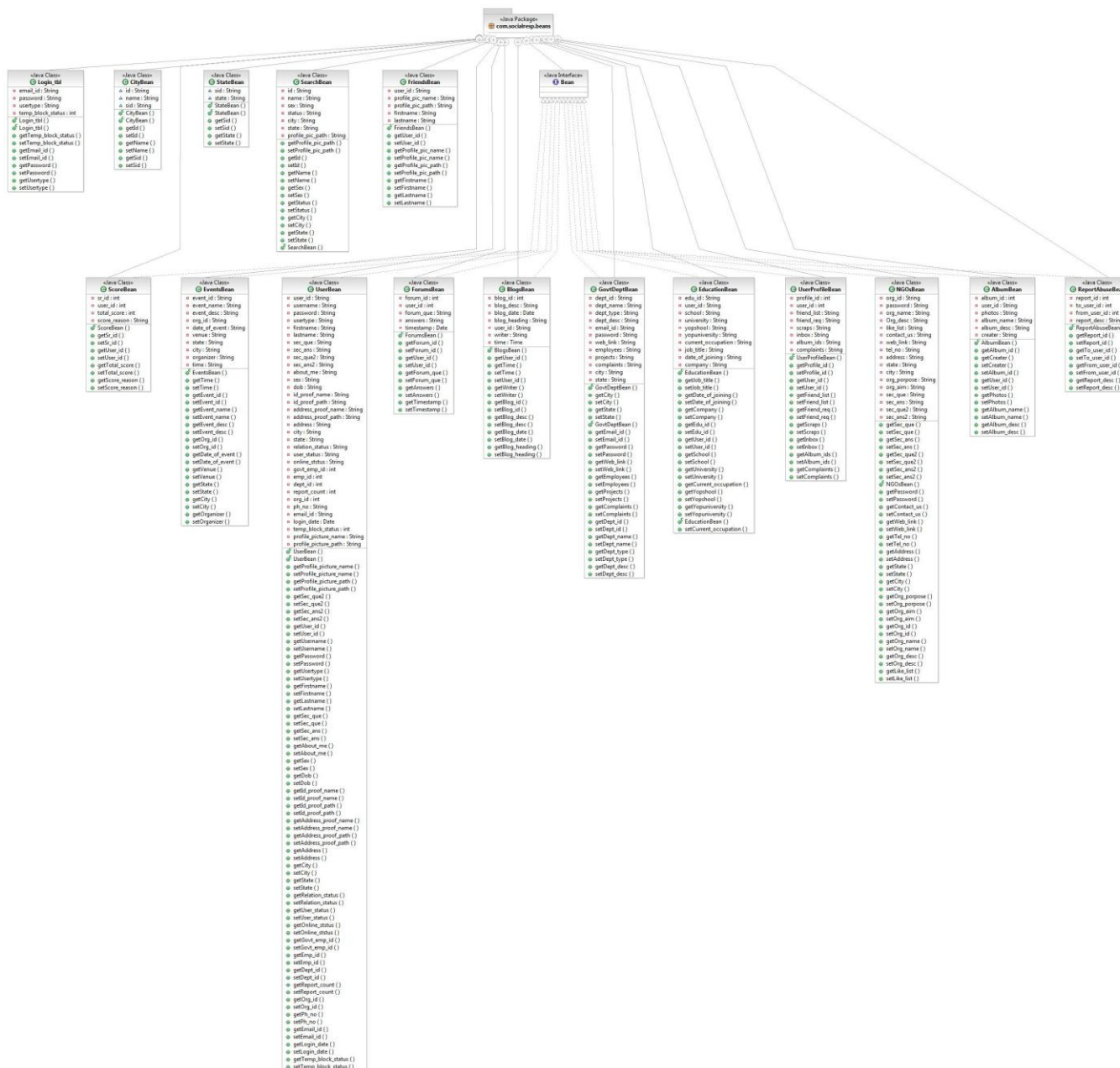
## 2.9 Class Diagram:

A **class diagram** in the Unified Modeling Language (UML) is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, and the relationships between the classes.

In our application we have 4 packages.

- com.socialresp.beans
- com.socialresp.manager
- com.socialresp.servlets
- com.socialresp.util

- **Class Diagram: com.socialresp.beans**



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- **Classdiagram:com.socialresp.util**





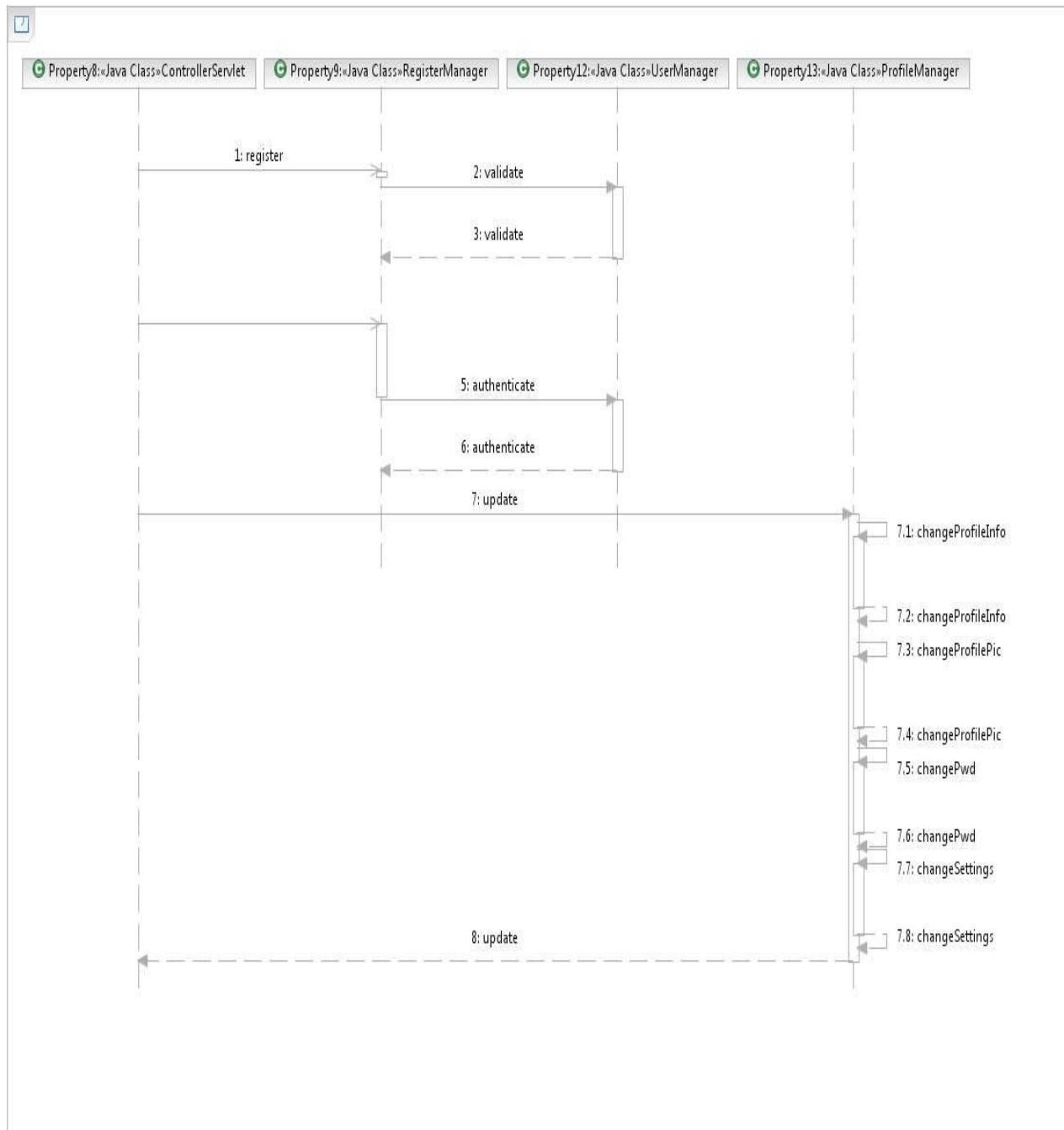




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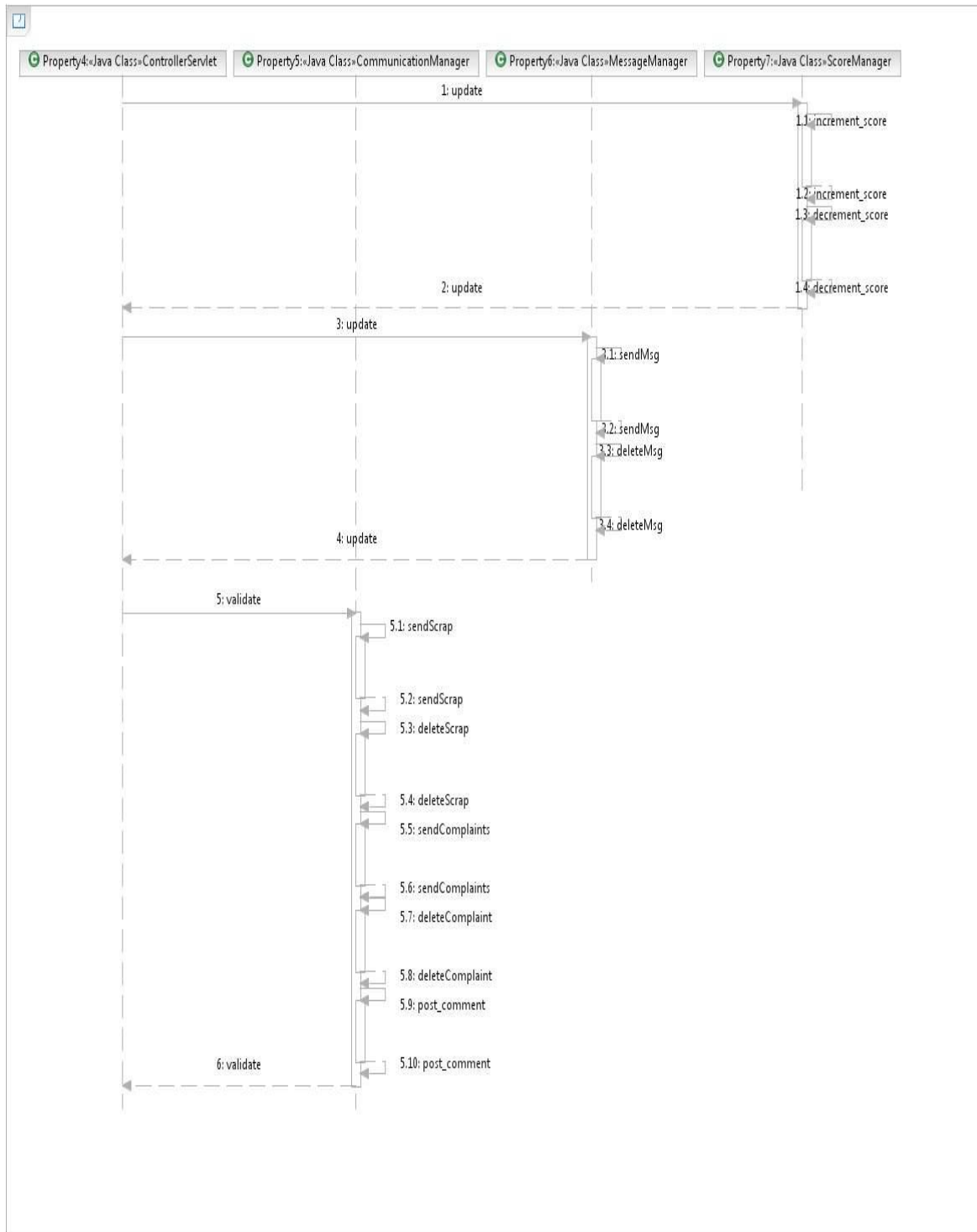
## 2.10 Sequence Diagrams:

- Diagram1



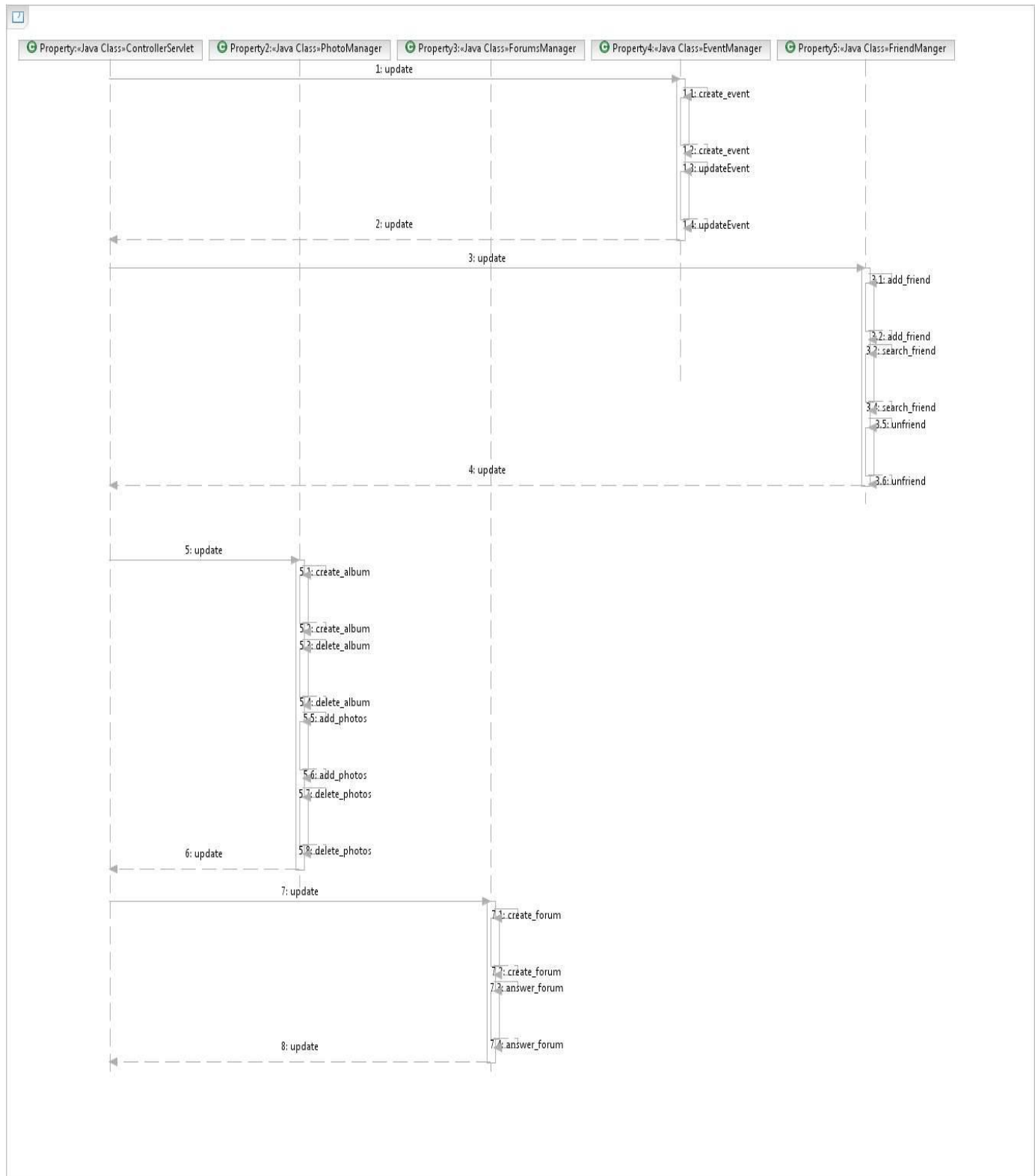
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- **Diagram 2**



- **Diagram 3**

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## 2.11 Database Design:

### 1. USER\_TABLE

KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	USER_ID	BIGINT	8	No
	PASSWORD	VARCHAR	20	No
	USERTYPE	VARCHAR	15	No
	FIRSTNAME	VARCHAR	20	No
	LASTNAME	VARCHAR	20	Yes
	SEC_QUE	VARCHAR	200	Yes
	SEC_ANS	VARCHAR	200	Yes
	SEX	VARCHAR	8	Yes
	DOB	DATE	4	Yes
	ID_PROOF_NAME	VARCHAR	100	Yes
	ID_PROOF_PATH	VARCHAR	200	Yes
	ADDRESS_PROOF_NAME	VARCHAR	100	Yes
	ADDRESS_PROOF_PATH	VARCHAR	200	Yes
	ADDRESS	VARCHAR	100	Yes
	CITY	VARCHAR	100	Yes
	STATE	VARCHAR	30	Yes

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	RELATION_STATUS	VARCHAR	15	Yes
	ONLINE_STATUS	INTEGER	4	Yes
	GOVT_EMP_ID	BIGINT	8	Yes
	DEPT_ID	BIGINT	8	Yes
	REPORT_COUNT	INTEGER	4	Yes
	ORG_ID	BIGINT	8	Yes
	PH_NO	VARCHAR	50	Yes
	EMAIL_ID	VARCHAR	100	Yes
	LOGIN_DATE	TIMESTAMP	10	Yes
	TEMP_BLOCK_STATUS	INTEGER	4	Yes
	NGO_MEMBERSHIP_ID	BIGINT	8	Yes
	MEMBERSHIP_PROOF_NAME	VARCHAR	200	Yes
	MEMBERSHIP_PROOF_PATH	VARCHAR	200	Yes
	SEC_QUE2	VARCHAR	200	Yes
	SEC_ANS2	VARCHAR	100	Yes
	ABOUT_ME	"LONG VARCHAR"	32700	Yes
	USER_STATUS	"LONG VARCHAR"	32700	Yes

## 2. USER\_PROFILE

KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	PROFILE_ID	BIGINT	8	No

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FK	USER_ID	BIGINT	8	No
	FRIEND_LIST	XML	0	Yes
	FRIEND_REQ	XML	0	Yes
	SCRAPS	XML	0	Yes
	INBOX	XML	0	Yes
	ALBUM_IDS	BLOB	1048576	Yes
	COMPLAINTS	XML	0	Yes

### 3. EDUCATION

KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	EDU_ID	BIGINT	8	NO
FK	USER_ID	BIGINT	8	NO
	SCHOOL	VARCHAR	100	YES
	UNIVERSITY	VARCHAR	100	YES
	YEAR_OF_PASSING	VARCHAR	10	YES
	CURRENT_OCCUPATION	VARCHAR	100	YES
	JOB_TITLE	VARCHAR	300	YES
	DATE_OF_JOINING	DATE	4	YES
	COMPANY	VARCHAR	200	YES
	YOPUNIVERSITY	VARCHAR	10	YES

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#### 4. SCORE

KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	SR_ID	BIGINT	8	NO
FK	USER_ID	BIGINT	8	NO
	TOTAL_SCORE	INTEGER	4	
	SCORE_REASON	XML	0	YES

#### 5. NGOs

KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	ORG_ID	BIGINT	8	NO
	ORG_NAME	VARCHAR	200	YES
	LIKE_LIST	XML	0	YES
	CONTACT_US	VARCHAR	200	YES
	WEB_LINK	VARCHAR	200	YES
	TEL_NO	VARCHAR	50	YES
	STATE	VARCHAR	1000	YES
	CITY	VARCHAR	100	YES
	ORG_PURPOSE	LONGVARCHAR	32700	YES
	ORG_AIM	LONGVARCHAR	32700	YES
	ORG_DESC	LONGVARCHAR	32700	YES
	PASSWORD	VARCHAR	100	YES

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	ADDRESS	VARCHAR	400	YES
	POST_ITS	XML	0	YES

## 6. GOVT\_DEPT

KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	DEPT_ID	BIGINT	8	NO
	DEPT_NAME	VARCHAR	100	YES
	DEPT_TYPE	VARCHAR	100	YES
	EMAIL_ID	VARCHAR	200	YES
	PASSWORD	VARCHAR	50	YES
	WEB_LINK	VARCHAR	200	YES
	EMPLOYEES	XML	0	YES
	PROJECTS	XML	0	YES
	DEPT_DESC	LONGVARCHAR	32700	YES
	COMPLAINTS	XML	0	YES
	CITY	VARCHAR	100	YES
	STATE	VARCHAR	100	YES

## 7. ALBUM

KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	ALBUM_ID	BIGINT	8	NO
FK	USER_ID	BIGINT	8	NO



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	PHOTOS	XML	0	YES
	ALBUM_NAME	VARCHAR	50	NO
	ALBUM_DESC	VARCHAR	200	YES
	CREATOR	VARCHAR	50	YES

## 8. EVENTS

KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	EVENT_ID	BIGINT	8	NO
	EVENT_NAME	VARCHAR	100	YES
	EVENT_DESC	VARCHAR	200	YES
	ORG_ID	BIGINT	8	YES
	DATE_OF_EVENT	DATE	4	YES
	VENUE	VARCHAR	100	YES
	ORGANISER	VARCHAR	20	YES
	TIME	BIGINT	8	YES
	STATE	VARCHAR	200	YES
	CITY	VARCHAR	200	YES

## 9. BLOG\_TABLE

KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	BLOG_ID	BIGINT	8	NO
	BLOG_DATE	DATE	4	YES

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	BLOG_HEADING	VARCHAR	100	YES
	BLOG_TIME	TIME	3	YES
	BLOG_DESC	LONGVARCHAR	32700	YES
	WRITER	VARCHAR	50	YES
	USER_ID	BIGINT	8	YES

#### 10.LOGIN\_TBL

KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	EMAIL_ID	VARCHAR	200	NO
	PASSWORD	VARCHAR	200	NO
	USER_TYPE	VARCHAR	50	NO
	TEMP_BLOCK_STATUS	VARCHAR	8	NO

#### 11.TBL\_CITY

KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	CITYID	INTEGER	4	No
	SID	INTEGER	4	No
	CID	INTEGER	4	No
	CITYNAME	VARCHAR	100	No

#### 12.TBL\_STATE

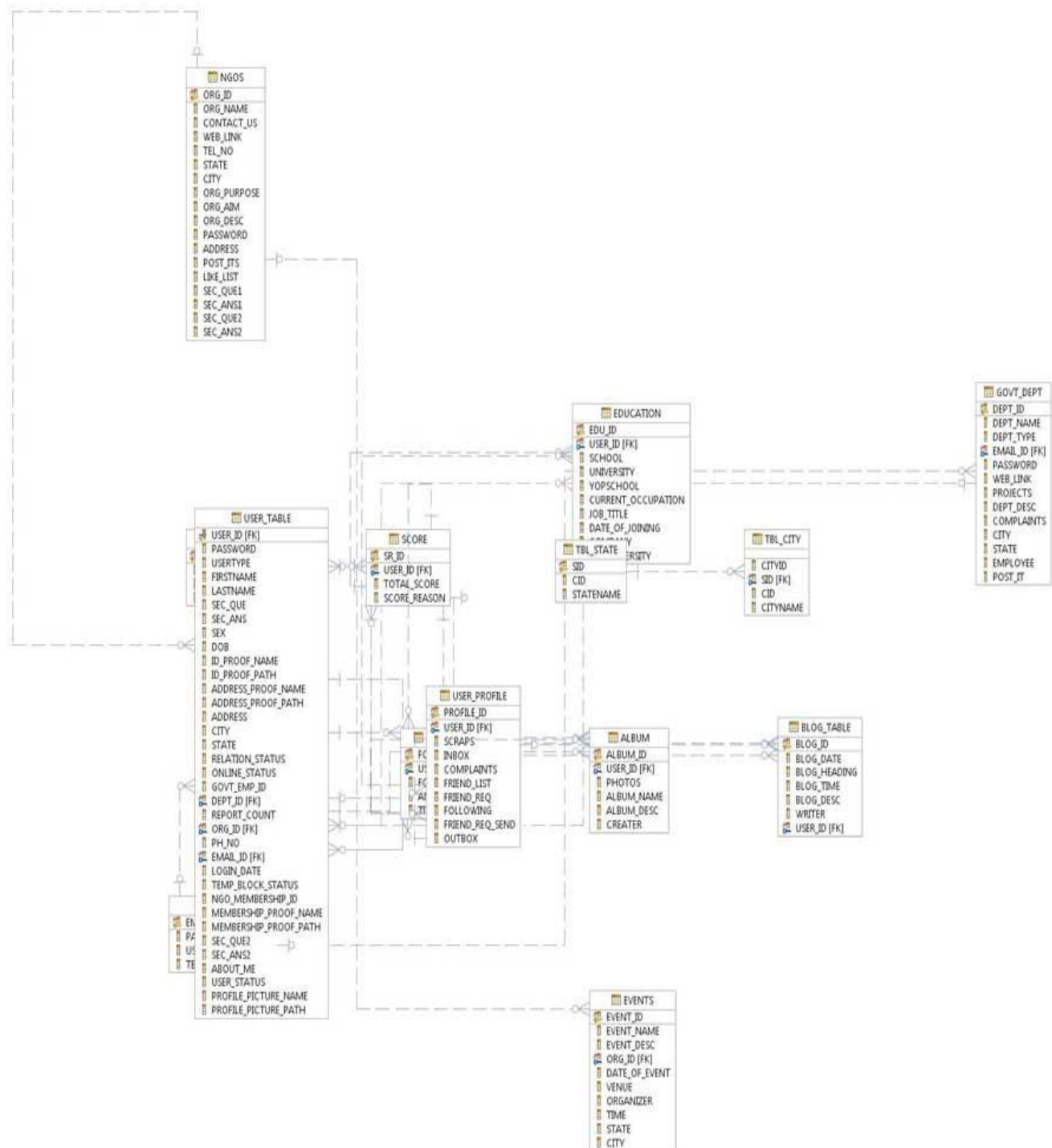
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KEY	NAME	DATA TYPE	LENGTH	NULLABLE
PK	SID	INTEGER	4	No
	CID	INTEGER	4	No
	STATENAME	VARCHAR	100	No

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## 2.12. ER Diagram:



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### 2.13 Assumptions and Dependencies:

- User of the site must be a citizen of India.
- A user should have a valid identity proof and a valid address proof.

## 3. Specific Requirements:

### 3.1 Use Case Reports:

#### 1. Use Case: Change password

<b>Description</b>	Every user shall be able to constantly change his/her password for security reasons.
<b>Actors</b>	1. User
<b>Precondition</b>	<ul style="list-style-type: none"> <li>• The user requests to change password.</li> <li>• System requests user to change password after password validation.</li> </ul>
<b>Basic Flow of Events</b>	<ol style="list-style-type: none"> <li>1. The system requests to enter old password.</li> <li>2. The system requests to enter new password and repeat new password.</li> <li>3. The system changes the user password.</li> </ol>
<b>Alternative Flow of Events</b>	User enters incorrect old password: <ol style="list-style-type: none"> <li>1. System informs user that incorrect password is entered.</li> <li>2. Step 1 of main flow.</li> </ol>
<b>Post Condition</b>	<ul style="list-style-type: none"> <li>• The user password is changed.</li> </ul>

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## 2. Use Case: Login

<b>Description</b>	As only registered users can use the system, every user has to provide his/her login information – login name and password – in order to use the system.
<b>Actors</b>	1. User
<b>Precondition</b>	<ul style="list-style-type: none"> <li>User requests to login to a system.</li> </ul>
<b>Basic Flow of Events</b>	<ol style="list-style-type: none"> <li>The system requests the user to enter his login name and password.</li> <li>The user enters the login name and password.</li> </ol>
<b>Alternative Flow of Events</b>	<p>User name or password is incorrect [step 2 of main flow]:</p> <ol style="list-style-type: none"> <li>System informs user that incorrect password or username is entered.</li> <li>Refer to step 1 of main flow.</li> </ol>
<b>Post Condition</b>	<ul style="list-style-type: none"> <li>The user is logged into the system and may use appropriate functionality according user type -Commoner, Govt. Official, NGOs or administrator.</li> </ul>

## 3. Use Case: Logout

<b>Description</b>	After the user ends working with the system, he logs out in order no one can use his profile.
<b>Actors</b>	1. User
<b>Precondition</b>	The user requests to log out from the system.
<b>Basic Flow of Events</b>	<ol style="list-style-type: none"> <li>System saves user settings and logs user out.</li> </ol>
<b>Alternative Flow of Events</b>	
<b>Post Condition</b>	The user is logged out from the system.

## 4. Use Case: Edit profile

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<b>Description</b>	User shall be able to edit his personal information, status, account settings, password etc.
<b>Actors</b>	1. Administrator
<b>Precondition</b>	<ul style="list-style-type: none"> <li>Request to edit user information.</li> </ul>
<b>Basic Flow of Events</b>	<ol style="list-style-type: none"> <li>User edits his personal information, password, change settings, change status etc.</li> <li>System saves modified user information.</li> </ol>
<b>Alternative Flow of Events</b>	
<b>Post Condition</b>	<ul style="list-style-type: none"> <li>User information is changed.</li> </ul>

## 5. Use Case: Registration

<b>Description</b>	New user shall be able to create his profile. The user has to enter his personal information, login name, and password and upload his valid documents for verification.
<b>Actors</b>	<ol style="list-style-type: none"> <li>Commoner</li> <li>Govt. officials</li> <li>Members of NGOs</li> </ol>
<b>Precondition</b>	<ul style="list-style-type: none"> <li>User requests to create hi/her account.</li> </ul>
<b>Basic Flow of Events</b>	<ol style="list-style-type: none"> <li>User enters his personal information.</li> <li>User enters his username.</li> <li>User enters his password. User reenters the password.</li> <li>User uploads his valid documents.</li> <li>System adds librarian to a database.</li> </ol>
<b>Alternative Flow of Events</b>	<ul style="list-style-type: none"> <li><b>Alternative Flow #1:</b> Entered user name already exists [step 2 of main flow]: <ol style="list-style-type: none"> <li>System notifies about already existing user name.</li> <li>Step 2 of main flow.</li> </ol> </li> <li><b>Alternative Flow #2:</b> Passwords do not match [step 3 of main flow]: <ol style="list-style-type: none"> <li>System notifies that entered passwords do not match.</li> <li>Step 3 of main flow.</li> </ol> </li> </ul>
<b>Post Condition</b>	•User information is added into the database.

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## 6. Use Case: Manage Photos

<b>Description</b>	User will be able to upload photographs ,create different albums, post comments on his photographs or photographs of his friends .
<b>Actors</b>	<ol style="list-style-type: none"> <li>1. Commoner</li> <li>2. Govt. officials</li> <li>3. Members of NGOs.</li> </ol>
<b>Precondition</b>	User has to login with his user name and password to perform different functions.
<b>Basic Flow of Events</b>	<ol style="list-style-type: none"> <li>1. User Create album.</li> <li>2. System saves new information.</li> <li>3. User uploads photos, post comments.</li> <li>4. System saves new information.</li> </ol>
<b>Alternative Flow of Events</b>	
<b>Post Condition</b>	The user information is added in the database

## 7. Use case: Communication

<b>Description</b>	User can send scraps & private messages to his friends. A user can post comments on the profile of his/her friend. A user can send complaints to high Govt. officials.
<b>Actors</b>	<ol style="list-style-type: none"> <li>1. Commoner</li> <li>2. Govt. officials</li> <li>3. Members of NGOs.</li> </ol>
<b>Precondition</b>	User has to login with his user name and password to perform different functions.
<b>Basic Flow of Events</b>	<ol style="list-style-type: none"> <li>1. User sends scraps, private messages and complaints.</li> <li>2. System saves new information.</li> </ol>
<b>Alternative Flow of Events</b>	
<b>Post Condition</b>	The user information is added in the database

## 8. Use case: Manage Friends



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<b>Description</b>	A user can add other users in his/her friend list to share his views and problems with them. By entering the name of a person or organization for searching a user can find the profile of that particular person or organization. A user can group his friends on the site as best friend, work, relatives etc.
<b>Actors</b>	<ol style="list-style-type: none"> <li>1. Commoner</li> <li>2. Members of NGOs</li> <li>3. Govt. officials</li> </ol>
<b>Precondition</b>	User has to login with his user name and password to perform different functions.
<b>Basic Flow of Events</b>	<ol style="list-style-type: none"> <li>1. Users add or remove other users as friends.</li> <li>2. System saves new information.</li> </ol>
<b>Alternative Flow of Events</b>	
<b>Post Condition</b>	The user information is added in the database.

### 9. Use case: Create Event

<b>Description</b>	The NGO's can also promote events. They can also update the information in case of any changes in the event are made.
<b>Actors</b>	1.NGOs
<b>Precondition</b>	User must be an NGO for promoting events.
<b>Basic Flow of Events</b>	<ol style="list-style-type: none"> <li>1. User creates an event.</li> <li>2. System saves information about the event.</li> <li>3. The event is updated.</li> <li>4. System saves new information.</li> </ol>
<b>Alternative Flow of Events</b>	
<b>Post Condition</b>	The user information is added in the database.

### 3.2 Supplementary Requirements:

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- a. There are lot of freeware & open source applications available for many social functions. The team is expected to search & leverage these to the maximum. The team which gets maximum function to the website by writing less number of code lines will score over the team what writes everything from scratch.
  - b. The focus of this scenario is not on designing a website as flashy as it could be. Instead, it is on as useful it could get to citizens of India to improve the social awareness.
  - c. Build the site as if you are going to help a nation. No half baked superficial site.
  - d. Site should be easily extensible (the extension modules should plug-in without disturbing running portion of site). For example, one more metric can be added laterwards (like patriotism quotient).