

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

CRUSADERZZZ

UNIQUE ID MANAGEMENT
Software Requirements Specifications
Version 1.0



TEAM NAME: CRUSADERZZZ

COLLEGE NAME: SASTRA UNIVERSITY

PROJECT GUIDE: K.S.SURESH

TEAM MEMBERS: Piduri Venkata Santhosh

Panguluri Sai Ananth Meher

Vytla Sri Rajarsh

Gujjula Anudeep Reddy

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

REVISION HISTORY

Date	Version	Description	Author
1-1-2012	1.0	SYNOPSIS	CRUSADERZZZ

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

Table of Contents

✚ INTRODUCTION

- Purpose
- Scope
- Definition, Acronyms, and Abbreviations
- References
- Technologies to be used
- Overview

✚ Overall Description

- Product Perspective
- Software Interface
- Hardware Interface
- Product Function
- User Characteristics
- Constraints
- Architecture Design
- Use Case Model Survey
- Class Diagrams
- Activity Diagrams
- Sequence Diagrams
- Database Design
- ER Diagram

✚ Specific Requirements

- Use-Case Reports
- Supplementary Requirements

✚ Concerns/Queries/Doubts

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

Software Requirements Specifications

INTRODUCTION

Purpose:

Motive of this project is to provide a Unique ID to each and every citizen of while providing him/her a birth certificate. Citizens after attaining age of 18 must register at RTO office or Collector office or Thasildar office and get a password to access the site .ID card will be provided to every user after registration. Later on they can change their password . Once they enter the site they can pay their electricity bill and telephone bill. Government officials can verify details about a person from the database for issuing passport ,visa etc

Scope:

There are four basic users CITIZENS, GOVERNMENT SECURITY OFFICIALS, MODERATORS and ADMINISTRATOR

- Every citizen can login and access their information page.
- Security officials page which give access to information of all users.
- Moderator can have access to details of all the users .they can modify the entire database.
- Admin can modify the entire coding and structure of the system.
- Change of photo of every user after 3 years is mandatory.

Definition, 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 applications.
- **WASCE**(WebSphere Application Server Community Edition):It is an application server that runs and supports the J2EE and 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

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

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-centred design and collaboration on the World Wide Web.
- **UML**(Unified Modelling Language): Is a standard language for writing software blueprint the UML may be used to visualize , specify, construct and document.

References:

- **IEEE SRS** format
- Project specifications requirement provided by IBM
- Object Oriented systems development using Unified Modeling Language by Ali Bahrami, publication: McGraw-Hill, International edition 1999

Technologies to be used:

- **HTML** Hyper Text Markup Language
- **Javascript** Script Language
- **XML** Extensive Mark up Language
- **JAVA** Application architecture
- **J2EE** Application architecture
- **EJB** Enterprise Java Bean
- **AJAX** Asynchronous Java script And XML

Overview:

SRS includes two sections overall description and specific requirements

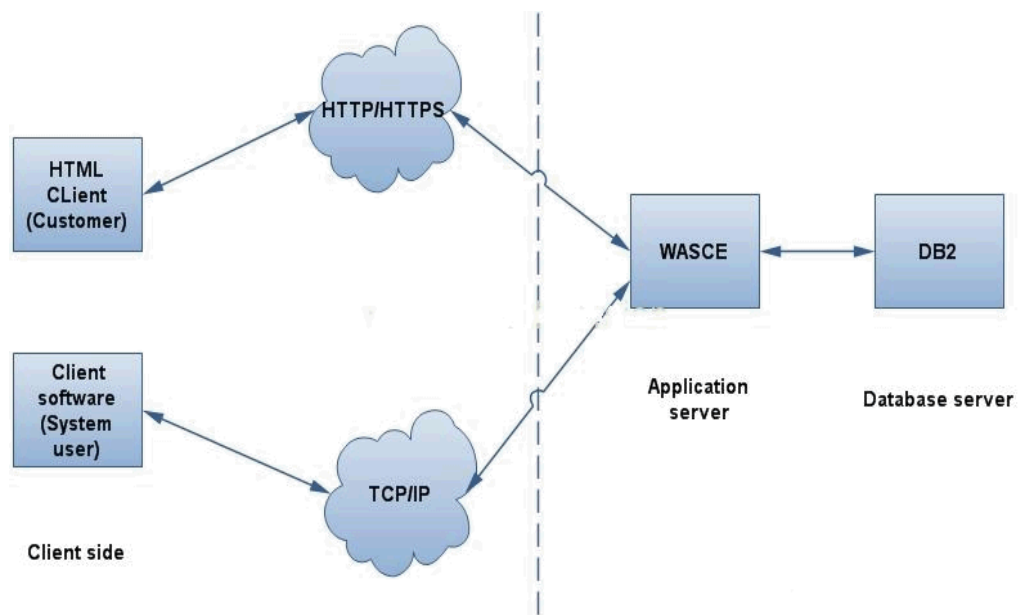
- Overall description will describe major role of the system components and interconnections.
- Specific requirements will describe roles & functions of the actors.

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

Overall Description

Product Perspective:

- The web pages (XHTML/JSP) are present to provide the user interface on customer client side. Communication between customer and server is provided through HTTP/HTTPS protocols.
- The Client Software is to provide the user interface on system user client side and for this TCP/IP protocols are used.



- On the server side web server is for EJB and database server is for storing the information.

Software Interface:

- **Client on Internet:** Web Browser, Operating System(any)
- **Client on Intranet:** Client Software, Web Browser, Operating System (any)
- **Web Server:** WAS, Operating System (any)
- **Data Base Server:** DB2, Operating System (any)
- **Development End:** WSAD (J2EE, Java, Java Bean,Servlets, HTML)
- DB2, OS (LINUX), Web Server.

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

Hardware Interface:

Client Side			
	Processor	RAM	Disk Space
Internet Explorer 6.0/ Mozilla/ Any other standard browser	Any standard Processor	128 MB	1GB
Server Side			
Rational Application Developer V 7.0	Pentium III, 1 GHz	1 GB	4.5 GB
DB2	Pentium III, 1 GHz	1 GB	1 GB (Excluding Data Size)

Product Function:

- USER LOGIN: Every citizen can login and access their information page.
- Security: A normal user other than Government officials , moderators and administrator can only Access His/her information. For any information update they must approach corresponding office to get approval
- Security Officials Login: Authorized security persons in police, army ,and airlines should given a Unique Id and password to access the Security officials page which give access to information of all users.
- Restriction for officials: Officials can access a user's information in demand. Unnecessary access is prohibited.
- Moderator: Moderator can have access to details of all the users . He can modify the entire database.
- Admin : Admin can modify the entire coding and structure of the system.
- No moderator and admin can change his/her details without any approval.
- Change of photo of every user after 3 years is mandatory.

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

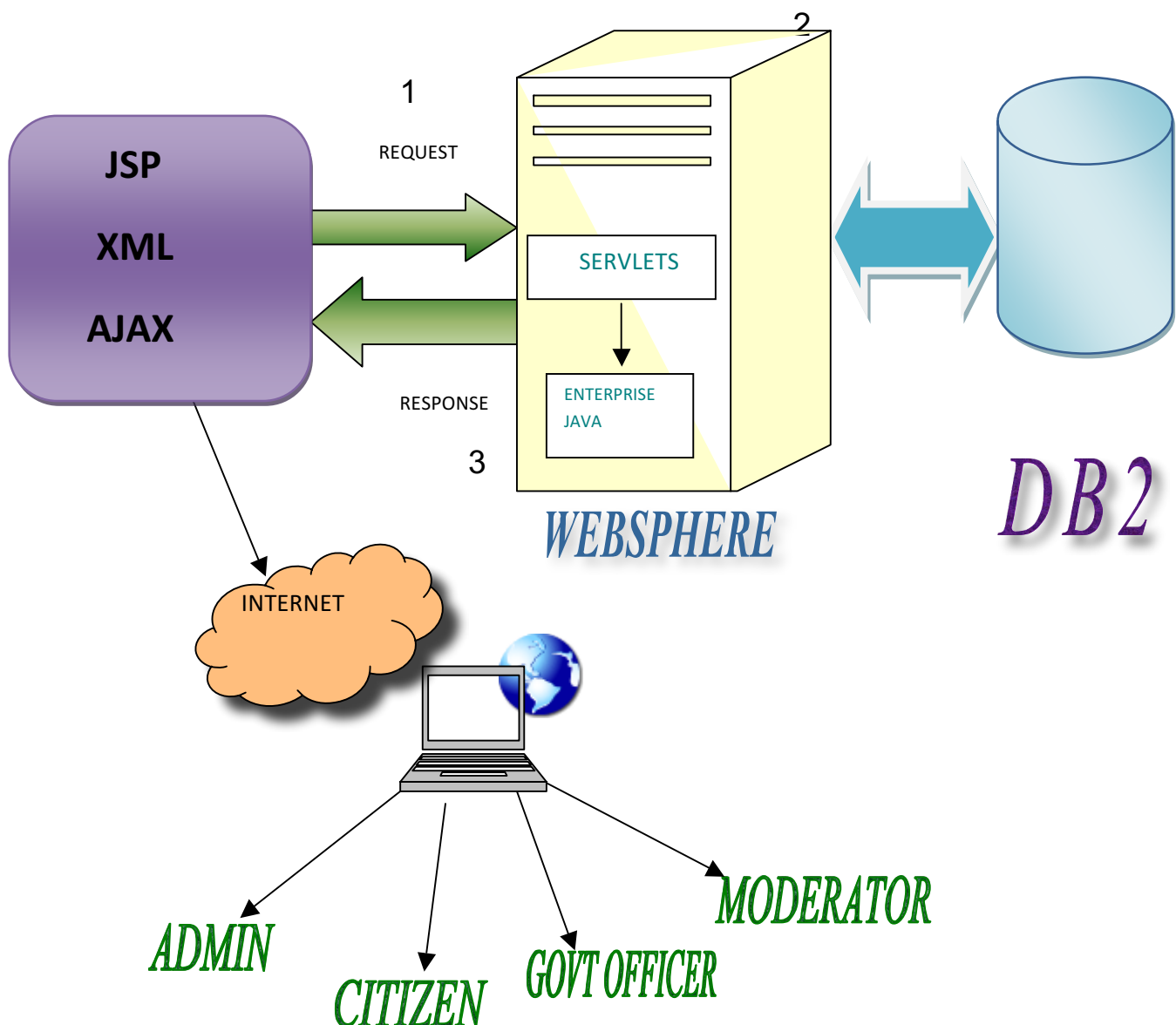
User Characteristics:

Every user should be comfortable of working with Computer and net browsing. He must have basic knowledge of English too.

Constraints:

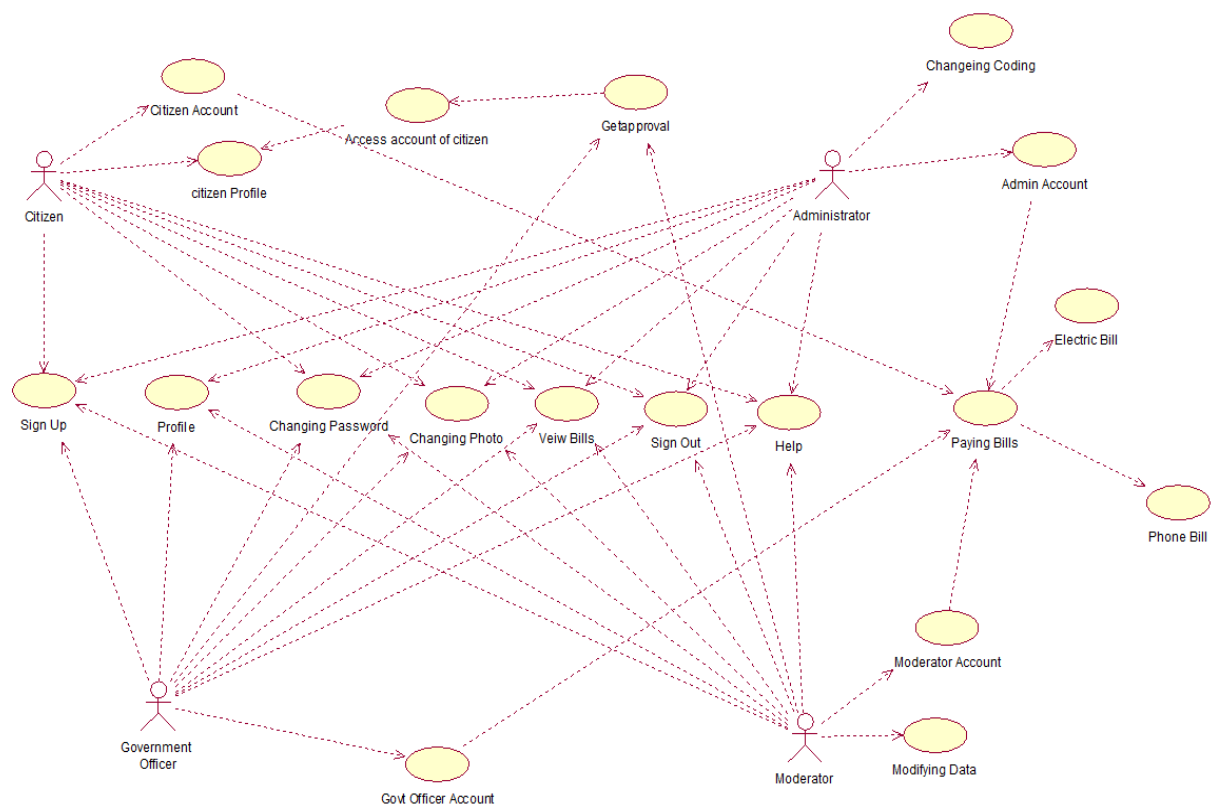
- GUI is only in English
- Limited to HTTP/HTTPS.

Architecture Design:



UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

Use Case Model Survey:



Government Officer : Responsibility of Government Officer is to Access Profile of citizen by getting approval for issuing passport, licence etc

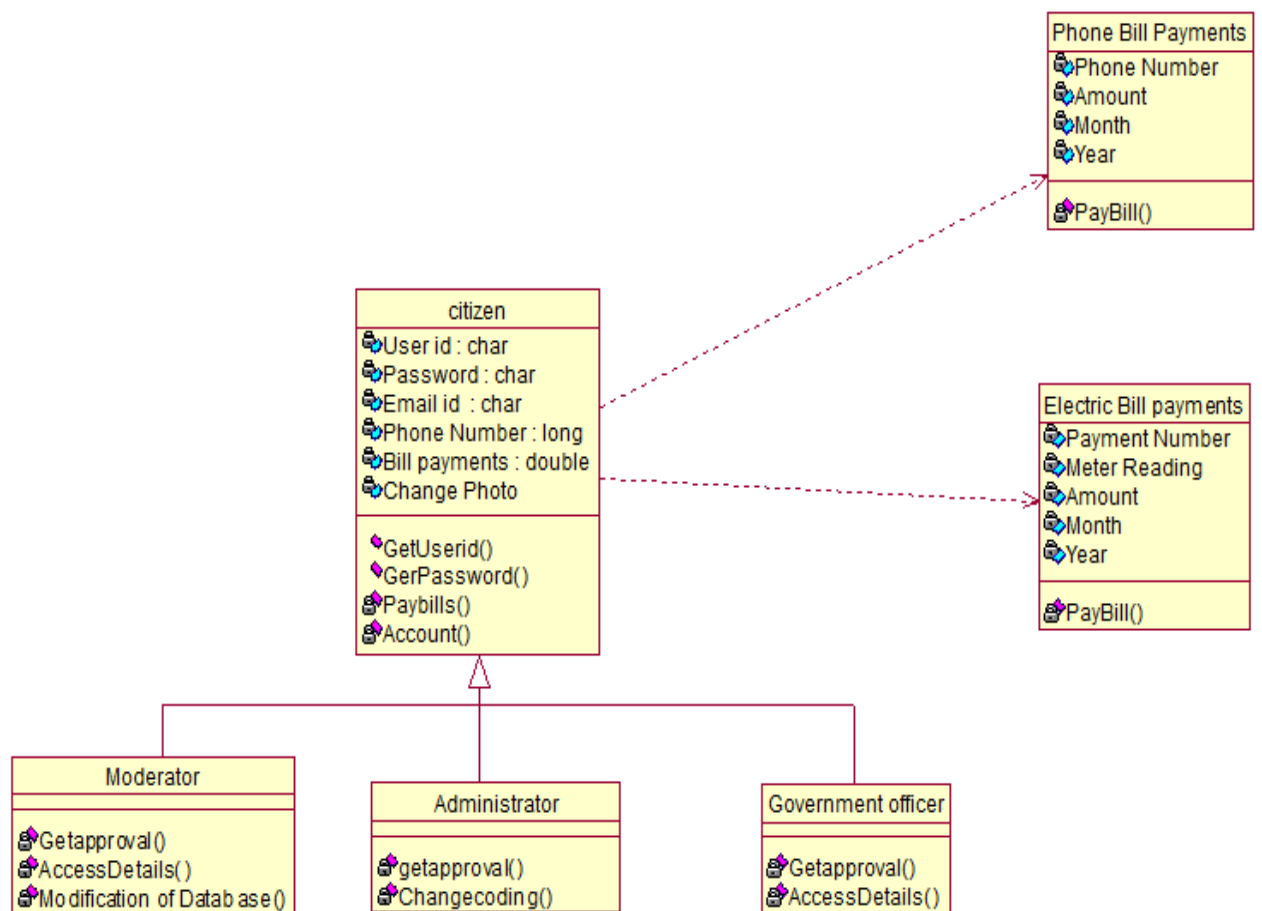
Administrator : Responsibility of Administrator is to change entire coding of the system.

Moderator: Responsibility of Moderator is to check and modify Data of the database.

Citizen: Citizen is not having rights like above persons citizen is able to pay only Phone bills, Electric Bills etc

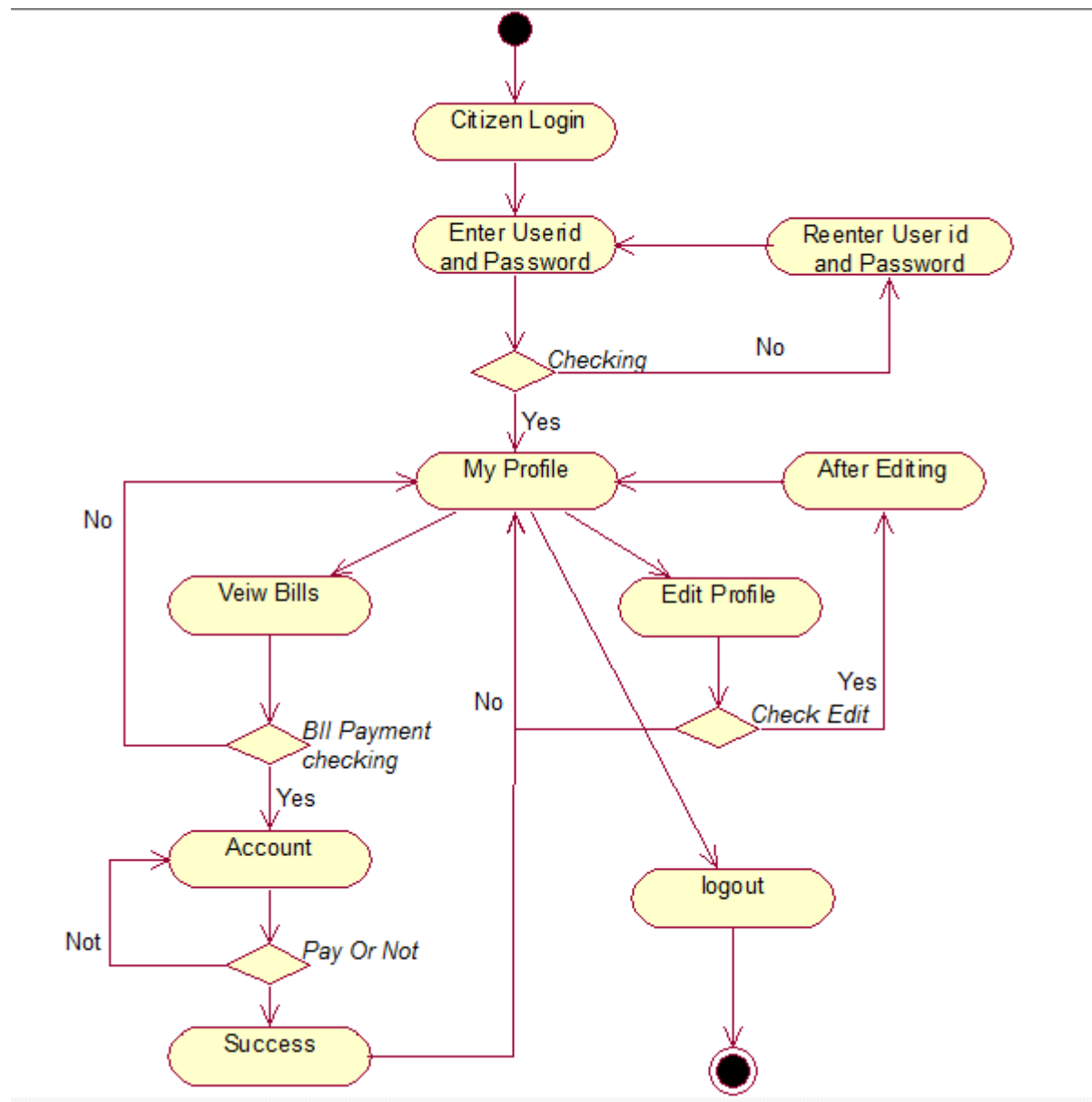
UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

Class Diagrams:



UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

Activity Diagrams

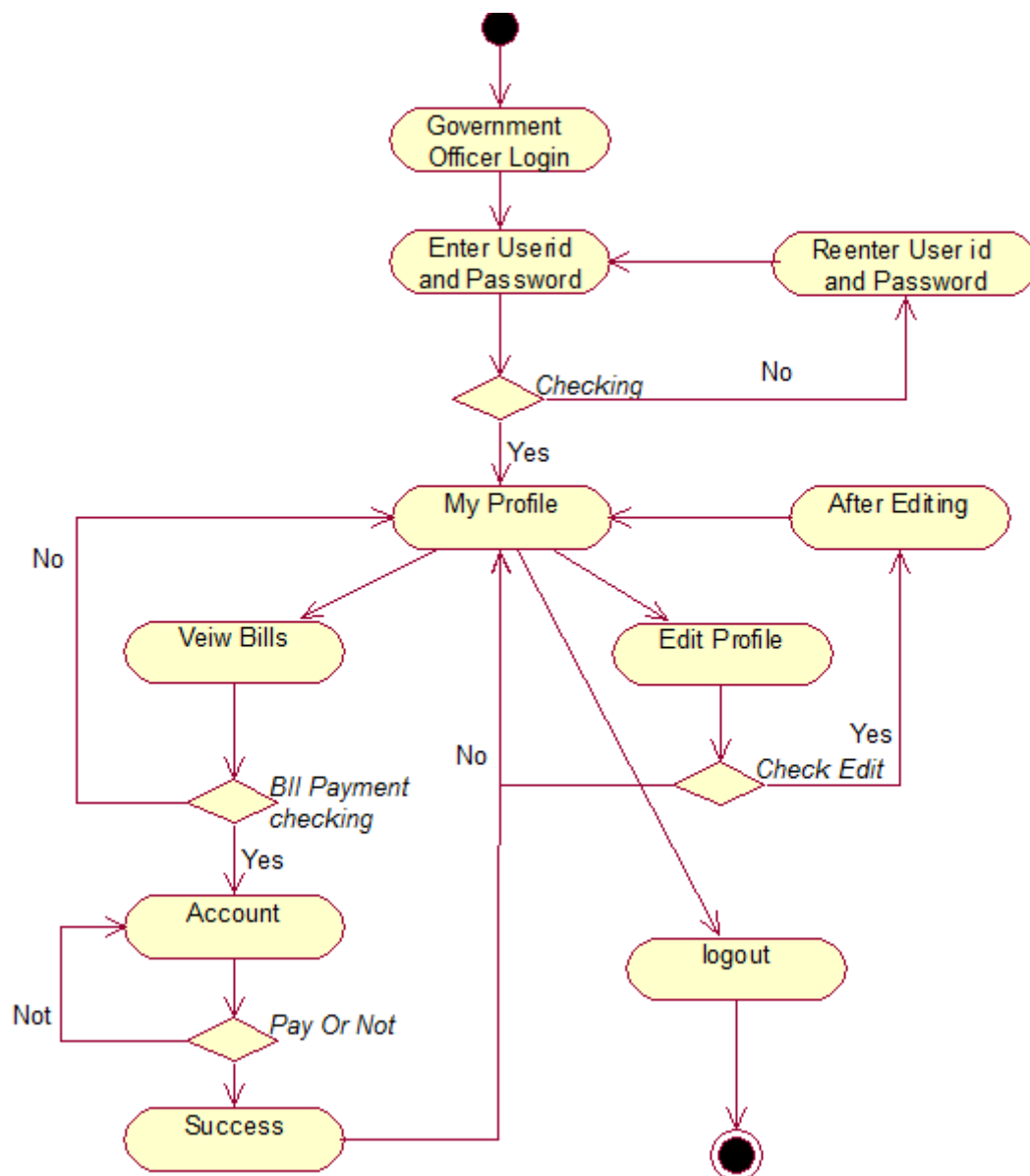


Activity Diagrams explains How the Activities are going

Here first citizen login into the website if the password is correct he will enter into his profile .

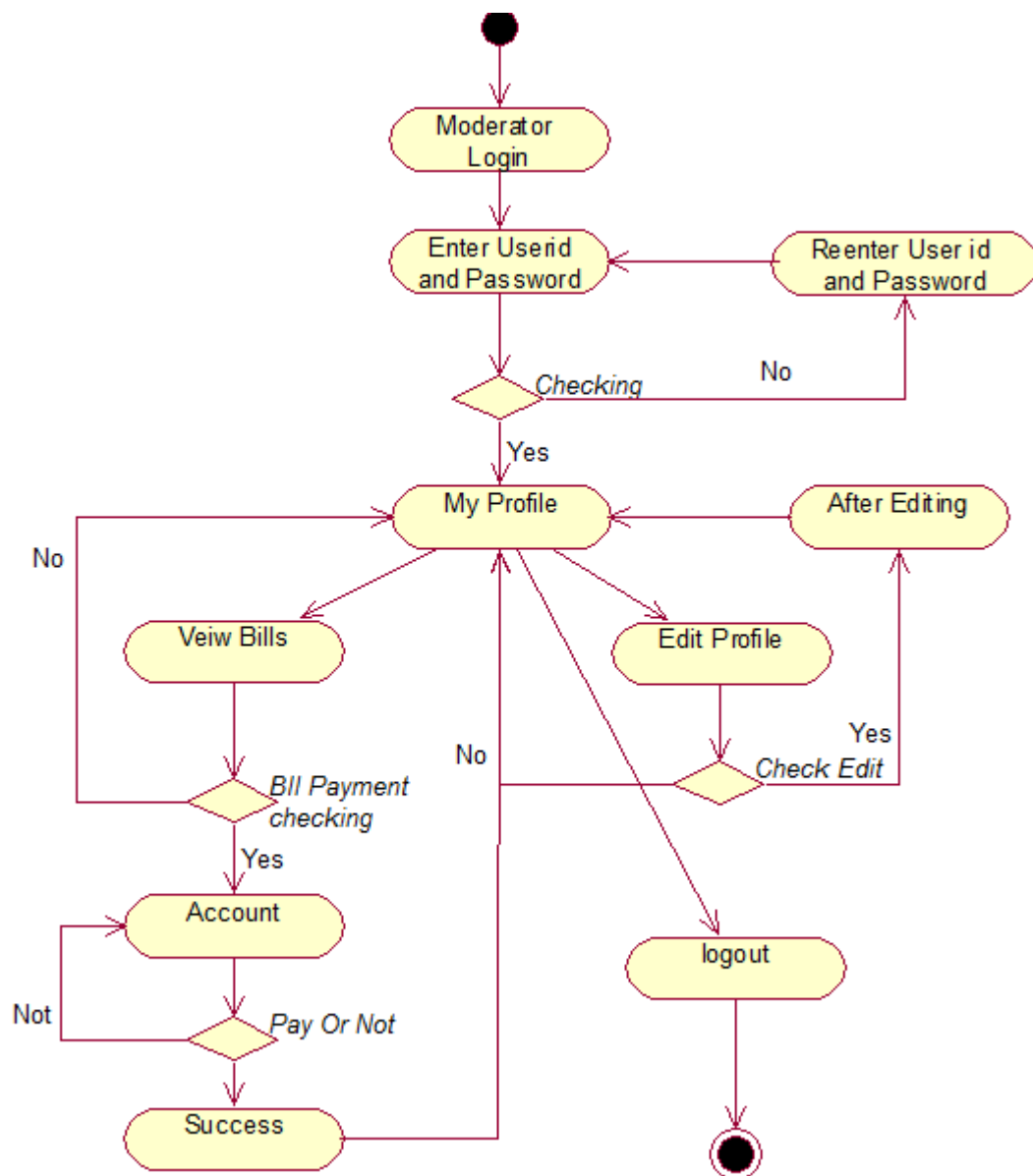
Now he can do any thing like view Bills ,Edit Profile, Paying phone bills ,Electric Bills and logout.

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	



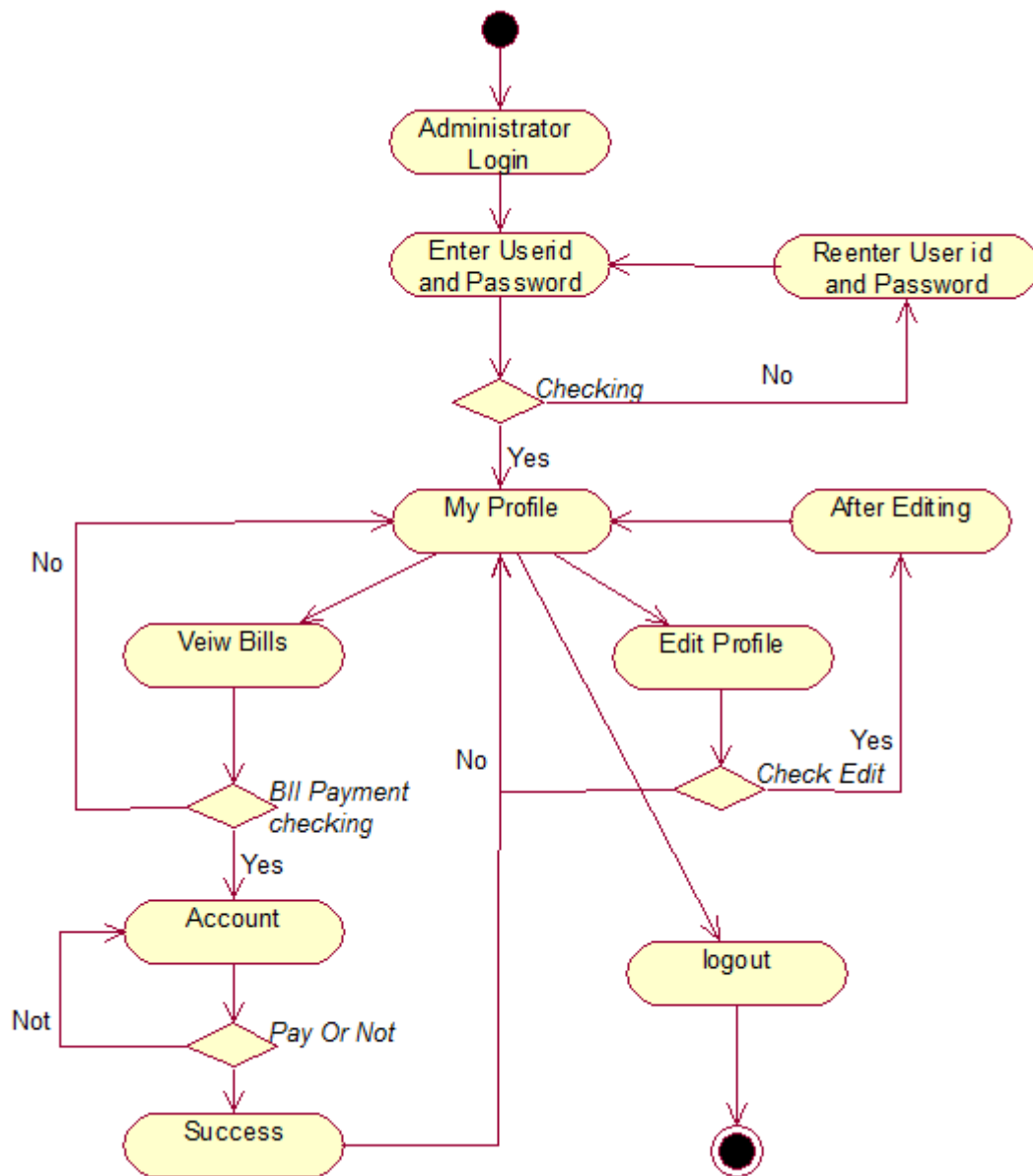
Here first Government officer login into the website if the password is correct he will enter into his profile .Now he can do any thing like view Bills ,Edit Profile, Paying Phone bills ,Electric bills and logout.

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	



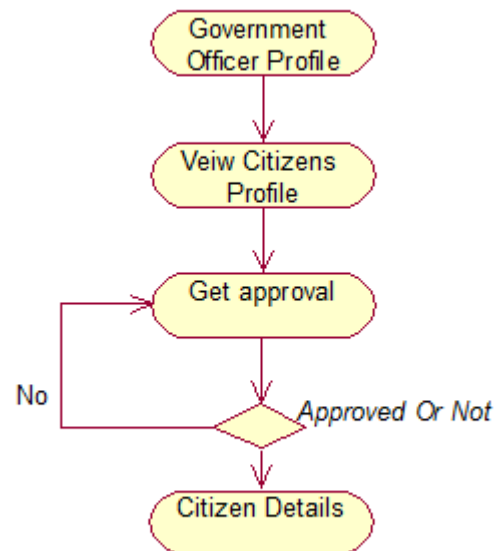
Here first Moderator login into the website if the password is correct he will enter into his profile .Now he can do any thing like view Bills ,Edit Profile, Paying Phone bills ,Electric bills and logout

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	



Here first Administrator officer login into the website if the password is correct he will enter into his profile .Now he can do any thing like view Bills ,Edit Profile, Paying Phone bills ,Electric bills and logout

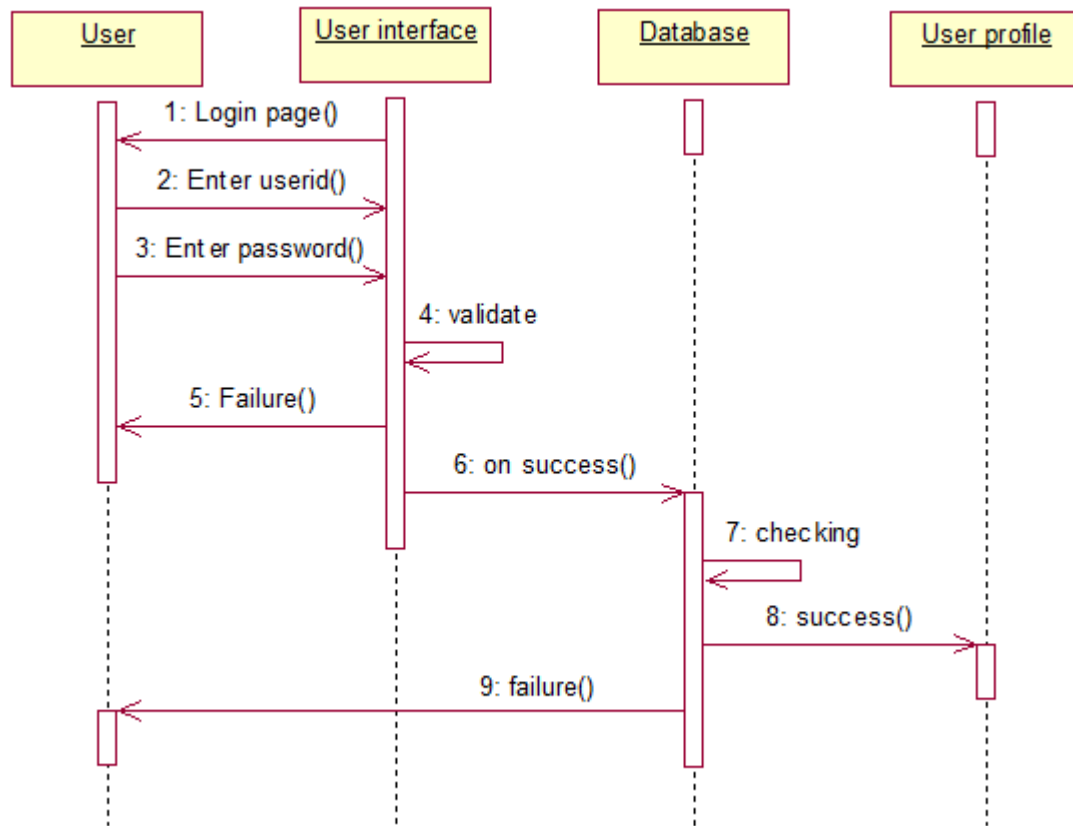
UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	



The Government Officer , moderator , administrator has another activity that is to view details of the citizen by getting approval

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

Sequence Diagrams



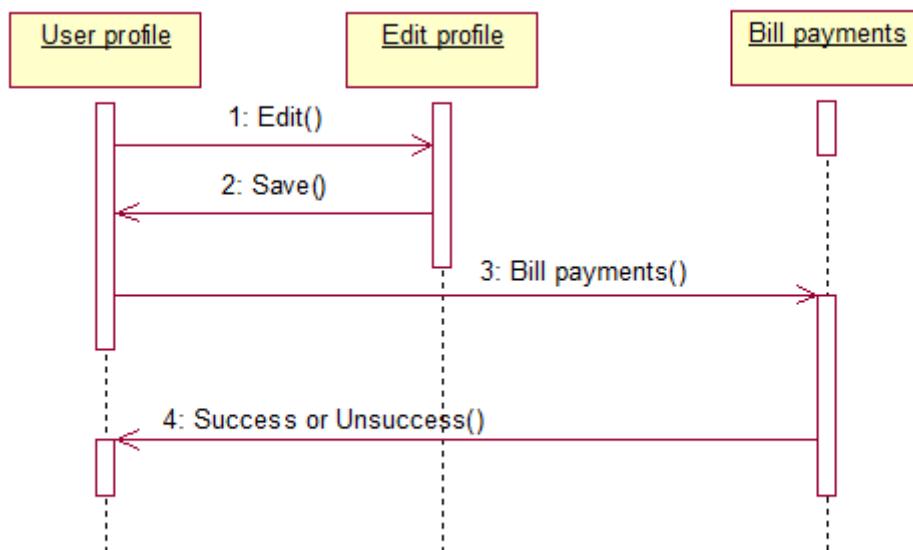
Sequence Diagrams show the sequence of the user

Here user stands for Citizen , Government Officer, Administrator ,Moderator

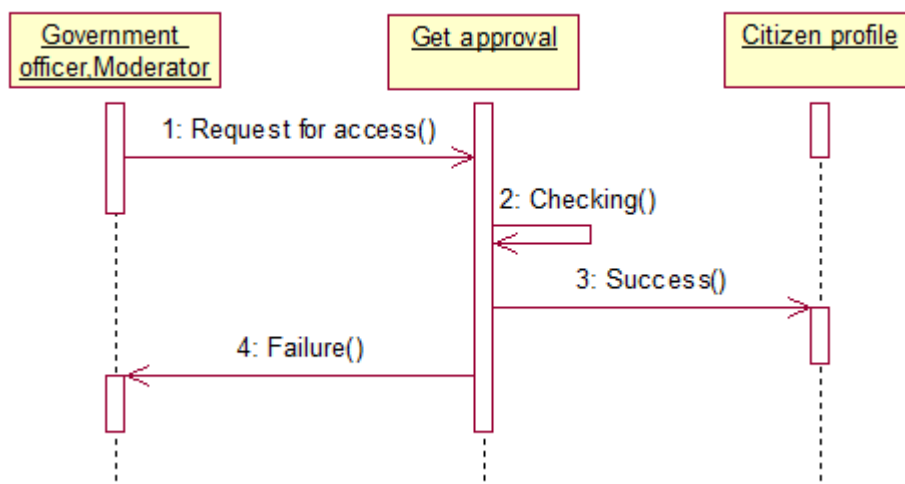
First user opens the login page and he enters the User id and password the user interface checks whether login and password is filled or not if not again the login page will open if filled it will check in the database whether the user id and password are matched or not. If success he will enter in to his profile.

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

This sequence is for Payments



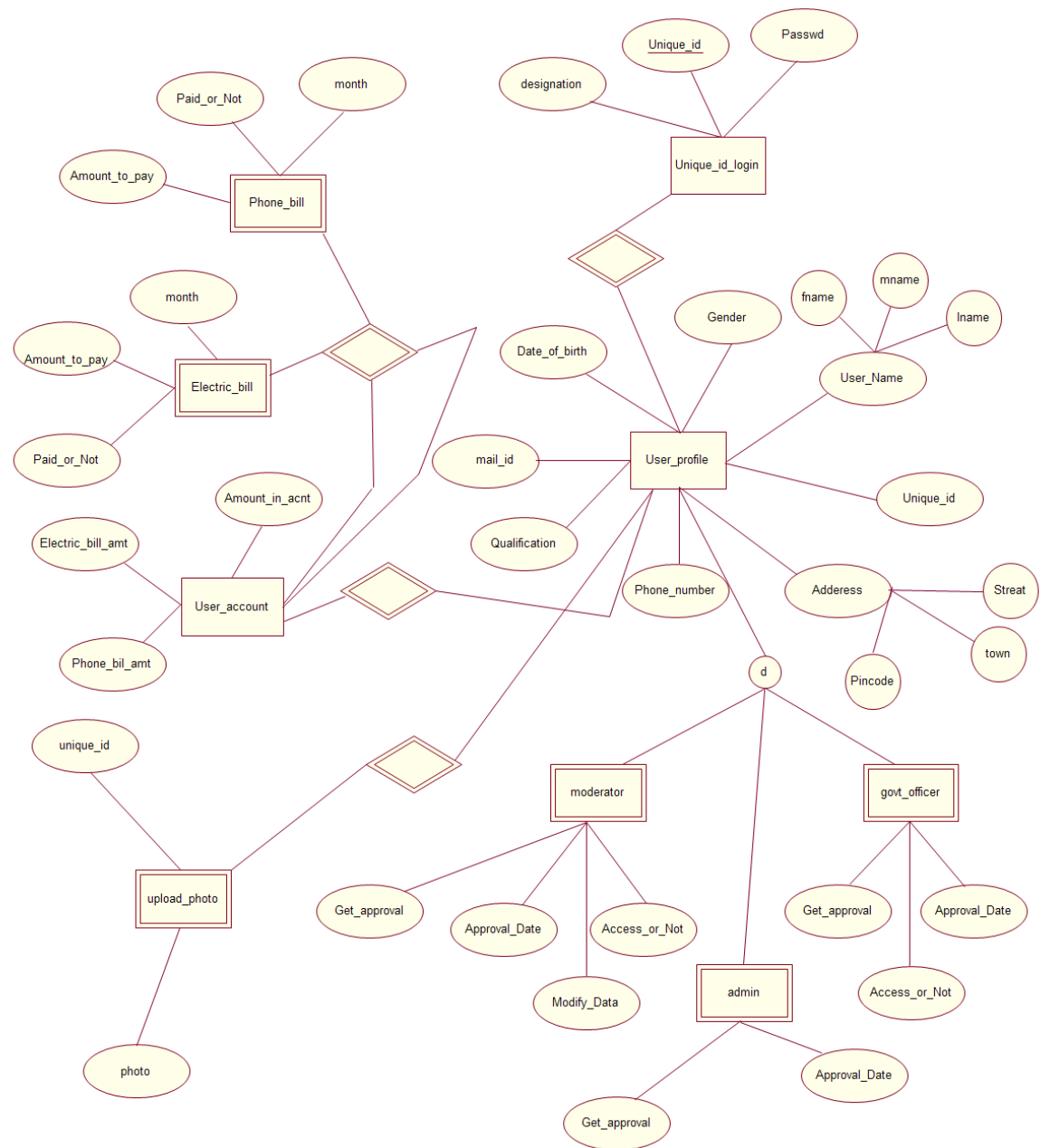
This Sequence is for accessing citizens profile.



Database Design:

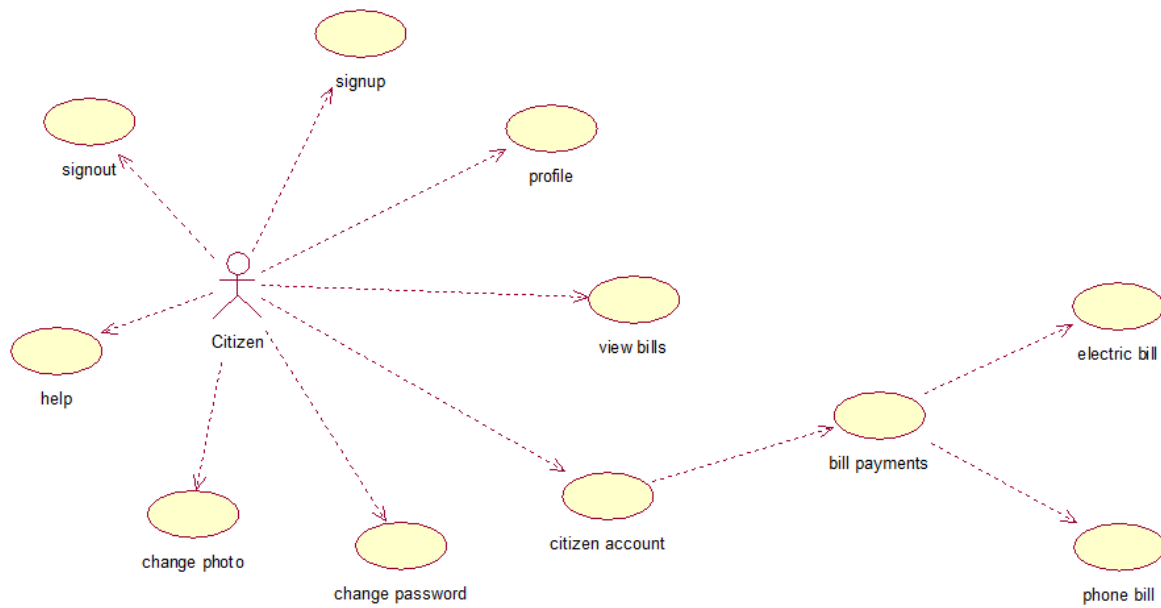
ER Diagram:

UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

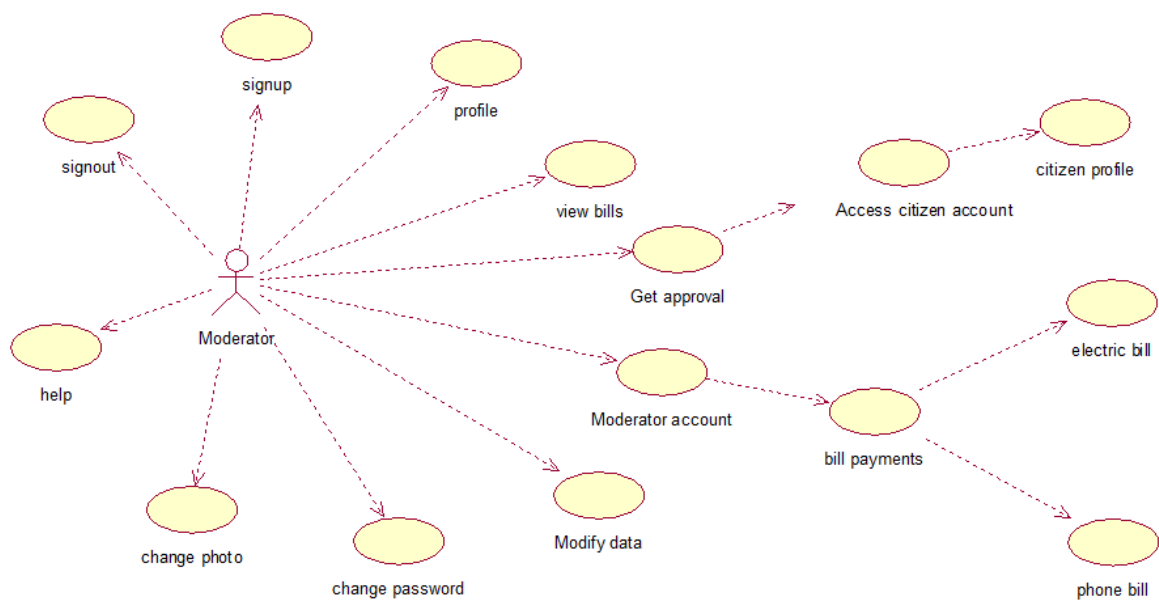


UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

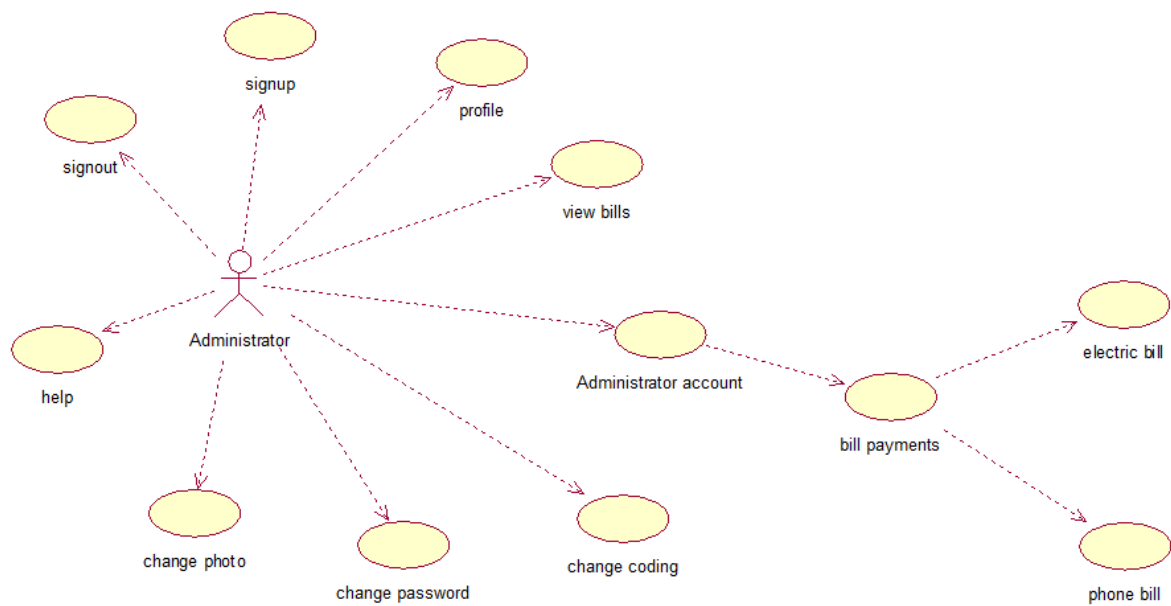
Use-Case Reports



UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	



UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	



UNIQUE ID MANAGEMENT	Version 1.0
Software Requirements Specifications	Date: 10 th March, 2011
Crusaderzzz	

