

THE SMS SERVER

The SMS server enables users to query information about court cases from the court's information center by sending a short code that consists of the type of information a client wants to view along with the court case number that identifies what information is being queried. This short codes include:

1. *CT* - Which stands for Case Title e.g. *Republic Vs John*
2. *CS* - Case Status e.g. *Open*
3. *CL* - Case Stage e.g. *Pre-trial*
4. *CA* - Case Agenda e.g *TITLE:Republic Vs John TYPE:Mention' COURTROOM:Court 6
DATE:2011-03-29 13:02:00*

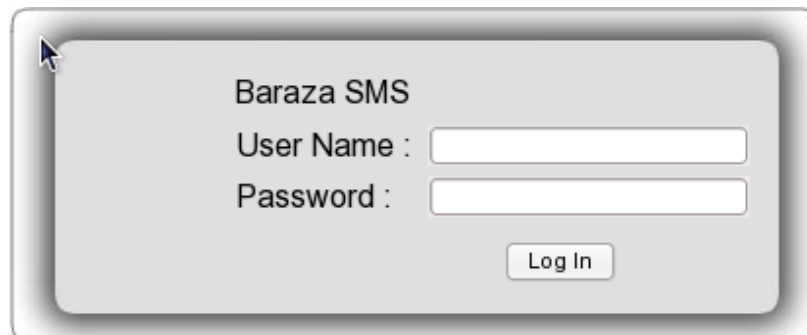
When a client sends text message that contains any of the short codes above with the case number such as .CA.36 the sms server replies to the client's number with information like the ones listed above e.g

Client: .CA.36

Server: *TITLE:Republic Vs John TYPE:Mention' COURTROOM:Court 6
DATE:2011-03-29 13:02:00*

LOGIN IN AND USING THE SYSTEM

Like any other system, users must login to the system with a user name and password



Baraza SMS

User Name :

Password :

After logging in with the correct user name and password the system will load and show this kind of screen

Baraza SMS - Mozilla Firefox 3.5 Beta 4

File Edit View History Bookmarks Tools Help

http://localhost:8080/sms/

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Baraza SMS

Sign Out

root

- Client Forms
- Applied Forms
- Orgs
- Entitys
- Forms
- Form Approvals
- Form Report
- SMS

Entitys Entity Types

New Entitys

Search:

Entity ID	Entity Name	User Name	Super User	Entity Leader	Date Enroled	Active	Go
0	root	root	Yes	Yes	Nov 11, 2010 02:10 PM	Yes	
1	Dennis Gichangi	dennis	No	No	Nov 11, 2010 02:11 PM	Yes	
2	Patrick Kaka	kaka	No	No	Nov 19, 2010 11:29 AM	Yes	
3	Cason	cason	No	No	Dec 02, 2010 04:08 PM	Yes	
4	jose	jose	No	No	Dec 02, 2010 04:22 PM	Yes	

Entity ID Like Ascending Descending And Or Search

http://localhost:8080/sms/body.jsp?view=12

The two major menu options that will be used are Entity and Sms tabs, which are listed on the left side of the screen. Entitys tab is used to manage clients contacts, in this case the clients' phone numbers and any other system users, whereas SMS tab is used to view outgoing, sent and incoming SMSs and also manipulating SMS related activities.

1. ENTITIES:

As briefly discussed above, entities majorly constitute system users and clients' contacts. Entities can be classified into smaller groups which are easily managed and easily contacted when need be. SMSs can be sent to these small groups at once whenever they are targeted.

A. Creating a new entity:

All contacts will have to be specified as entities by clicking on the New Entity button:

Entitys Entity Types

New Entitys

Org : default

Entity Name :

User Name :

Super User : ☐

Entity Leader : ☐

Function Role :

Active : ☐

First Password : enter

Details :

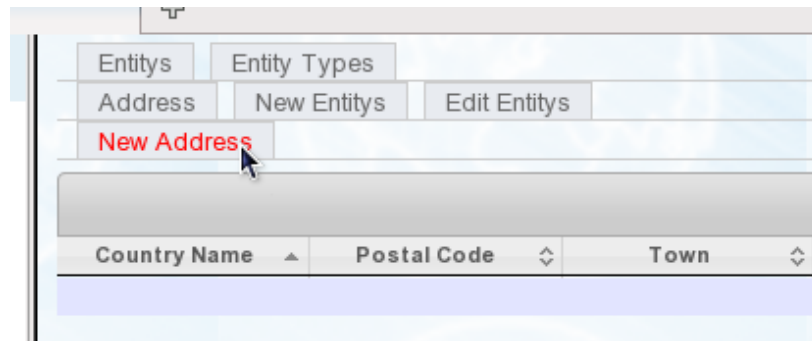
Update

Entity name and username are the vital key fields required for each user. Once these fields are entered then to save, just click on the <Update> button to save.

Once the entity is created, it will be listed under Entitys as shown below:

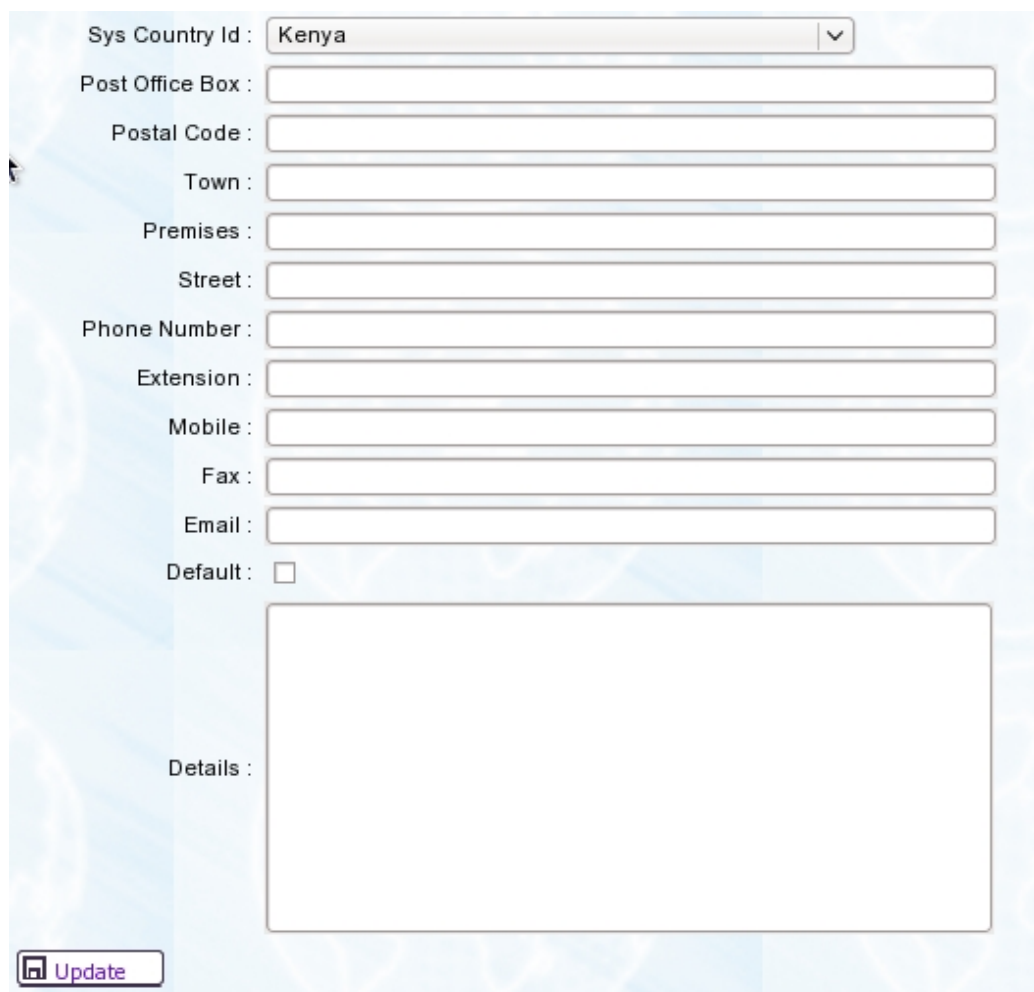
Entity ID	Entity Name	User Name	Super User	Entity Leader	Date Enroled	Active	Go
0	root	root	Yes	Yes	Dec 23, 2010 09:31 PM	Yes	
1	Patrick	Kaka	No	No	Dec 24, 2010 09:44 AM	Yes	

To set a Phone number for the user just click on the <GO> button of the entity you want to set phone numbers for.



The screenshot shows a web application interface with a menu on the left. The menu has several items: 'Entity Types', 'Address', 'New Entitys', 'Edit Entitys', and 'New Address'. The 'New Address' item is highlighted in red. Below the menu, there are three input fields: 'Country Name' with an upward arrow, 'Postal Code' with a double-headed arrow, and 'Town' with a double-headed arrow. A mouse cursor is pointing at the 'New Address' button.

Then click on the <New Address> button then fill in the required fields as shown bellow then save (update)



The screenshot shows a web application form for adding a new address. The form has the following fields: 'Sys Country Id' (a dropdown menu with 'Kenya' selected), 'Post Office Box' (a text input field), 'Postal Code' (a text input field), 'Town' (a text input field), 'Premises' (a text input field), 'Street' (a text input field), 'Phone Number' (a text input field), 'Extension' (a text input field), 'Mobile' (a text input field), 'Fax' (a text input field), 'Email' (a text input field), and 'Default' (a checkbox). Below these fields is a large text area labeled 'Details'. At the bottom left of the form is a button labeled 'Update' with a small icon of a document with a checkmark.

NB: The most important fields are the phone number and the mobile number which in this case will be the same

B. Entity Types

Enables you organize your contacts in your desired groups such as users, staff, clients, suppliers etc

Click on the <Entity Types> to view the default entity types that are there

New Entity Types			
Search: <input type="text"/>			
Entity Type ID	Entity Type Name	Entity Role	Go
0	Users	user	
1	Staff	staff	
2	Client	client	
3	Supplier	supplier	

Click on <New Entity Types> to create a new entity type

Entity Type Name :

Entity Role :

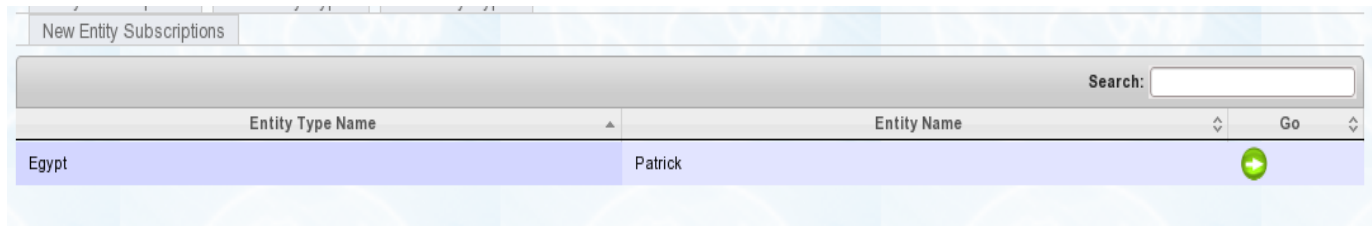
Description :

Details :

Update

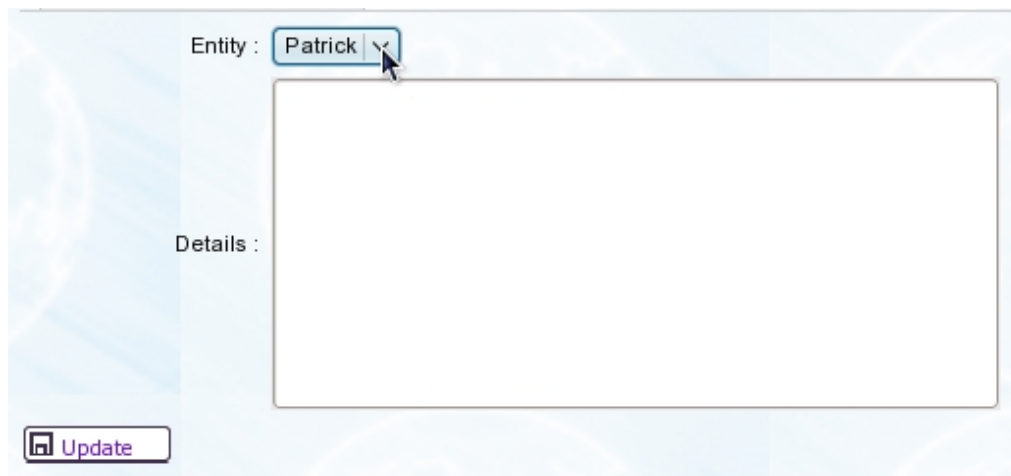
NB: Entity Type name and Entity role fields must be field

To view or create entity subscriptions click on the <GO> button of the entity type you want then you will be able to view the entity subscriptions made for that entity type selected



You can edit the entity subscriptions by clicking on the <GO> button

To create a new Entity subscriptions for the selected entity type click on the <New Entity Subscription> then a list of entities that you created earlier on will be shown. Select one of them then save.



2. SMS

This menu option enables you as a user of the system send, manage and view short messages. The Outbox tab enables you to view messages that have not been sent or rather awaiting to be send. The Sent tab enables you to view messages that have been sent and the Inbox tab enables you to view messages that have been received and saved into the system

A. Outbox

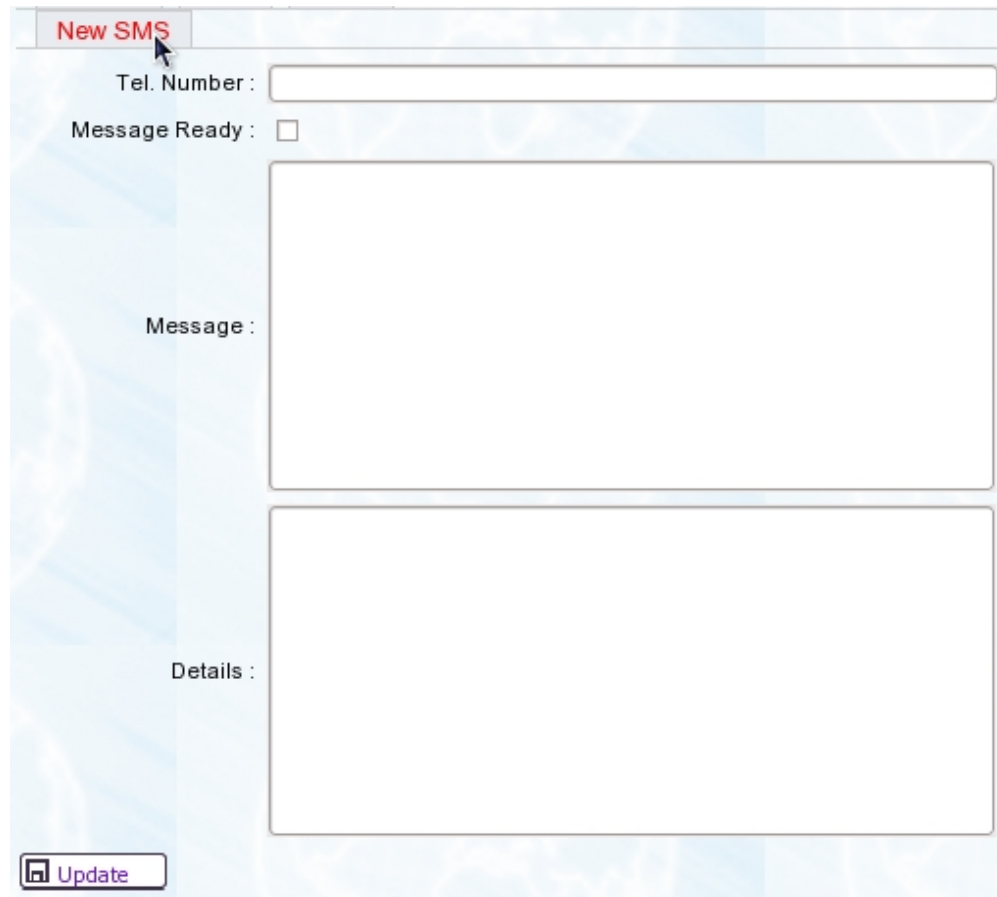
Search: <input type="text"/>					
SMS ID	Tel. Number	Message Ready	Sent	message	Go
24	+254722537575	No	No	This is a short message that is awaiting to be sent. This message is not yet ready for sending	

In the outbox section, message are listed showing the telephone number, message ready status and message sent status. If the message ready status is YES and the sent status is NO then it means that the sms server has queued this message and once its sent it moves to the sent folder

of the system. A message can be created and saved to be send some other time. Such messages will always have a message ready state as NO. If you want to send this type of message, click on the <GO> button of the message and check the Message ready state so that it queues the message for sending.

Creating a new Message

Click on the <New SMS> tab



The screenshot shows a web application interface for creating a new SMS. At the top, there is a tab labeled "New SMS" in red text, with a mouse cursor pointing at it. Below the tab, the form is organized into several sections. The first section is labeled "Tel. Number :" and contains a single-line text input field. The second section is labeled "Message Ready :" and features a checkbox. Below this is a large, empty rectangular text area labeled "Message :". The final section is labeled "Details :" and contains another large, empty rectangular text area. At the bottom left of the form, there is a button with a floppy disk icon and the text "Update". The entire form is set against a light blue background with a subtle pattern.

Telephone number should be provided for each message created. After creating your message, save it to put it on the queue to be send.

Exceptional cases such as a message which designed for a group of people is created leaving the telephone number field empty but having the message ready state checked. On the outbox tab, select the message you wish to send to a group by clicking on the <GO> button of the message

New SMS Edit SMS SMS Address **SMS Groups** Add Address

Tel. Number :

Message Ready : ☐

Message :

This is a short message that is awaiting to be sent. This message is not yet ready for sending

Details :

Update

Click on the <SMS Groups> then select the <New SMS Group> tab as shown bellow to enable you select a group to receive the created SMS

Outbox Sent Inbox

New SMS Edit SMS SMS Address SMS Groups Add Address


New SMS Groups

Entity Type	Narrative
No data available in table	

Select an Entity type that you wish the sms to be send to



Entity Type : Client ▼

Narrative :

 Update













B. Sent

Showing a list of sent SMSs

Search: <input type="text"/>					
SMS Id	Tel. Number	Name	Sent	message	Go
21	+254722537575	t		Message 21	
23	+254724595693	t		Message 23	

C. Inbox

Listing SMSs that have been received and saved in the system

Search: <input type="text"/>					
SMS Id	Tel. Number	Name	message	Go	
1	+254713056886		Message 1		
2	+254737750687		Message 2		
3	D48617A140		Message 3		
4	D48617A140		Message 4		
5	D48617A140		Message 5		
6	+254735057446		Message 6		
7	D48617A140		Message 7		
8	D48617A140		Message 8		
9	D48617A140		Message 9		
10	D48617A140		Message 10		
11	+447781484000		Message 11		
12	D48617A140		Message 12		

Searching

The system allows a user to search for Entities and Messages that have been saved in the system. On each screen the system displays a panel like the one shown bellow.

SMS Id

Like

Ascending

Descending

☐ And ☐ Or

Search

The system's Log file

```
root@kaka:/opt/tomcat/bin  X root@kaka:/opt/tomcat  X root@kaka:/opt/tomcat  X root@kaka:-
SMS
Server started
Connected : /dev/ttyUSB0
Found : /dev/ttyUSB1
Found : /dev/ttyS0
Found : /dev/ttyS1
SMS System started
Manufacturer : huawei
Model : E160
NMI? : +CNMI: (0,1,2),(0,1,2,3),(0,2),(0,1,2),(0,1)
NMI : 1,1,0,1,0
Messages in SIM : 0, Last Store Location : 20
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CT.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CS.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CL.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CA.%');
Messages in SIM : 0, Last Store Location : 20
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CT.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CS.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CL.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CA.%');
Messages in SIM : 0, Last Store Location : 20
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CT.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CS.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CL.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CA.%');
Messages in SIM : 0, Last Store Location : 20
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CT.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CS.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CL.%');
SELECT sms_id, sms_number, sms_time, folder_id, message FROM sms WHERE (folder_id = '4') AND (message ilike '.CA.%');
```