

SOAP Web Service – Labroc

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Document Information and Version History

Document Information

Document Name	SOAP Web Service – Labroc
Document Description	This document explains how to schedule and send messages via the SOAP web service for the system.
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Document Change Log

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February 14, 2018	1.0.1	Reformatted and reviewed document for language.	Hrudeep Goregaonkar

Document Approval Log

Approval Date	Approver	Designation
February 14, 2018	Sachin Kanojia	Head – Support

Introduction

- SOAP web service provides functionality for maintaining contact book, sending single message and sending bulk message.
- User can create groups and store contacts into those groups.
- SOAP web service allows clients to submit bulk messages and receive delivery reports.
- This web service can be integrated using following WSDL link.

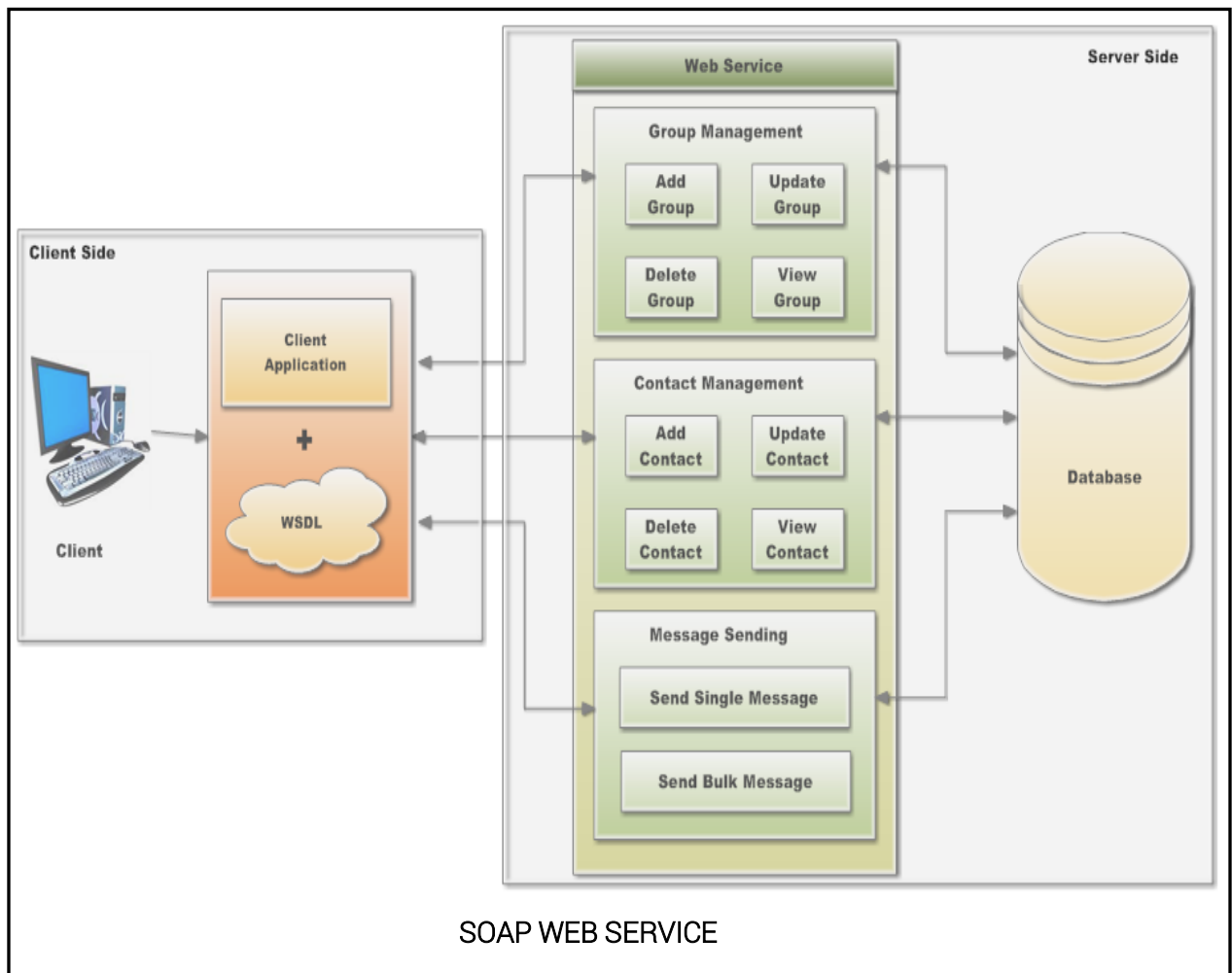
WSDL Link
<a href="http://<ipaddress>:<port>/SOAPServices/Service?wsdl">http://<ipaddress>:<port>/SOAPServices/Service?wsdl

How to consume web service?

- Provided web service is of type JAX-WS. For consuming this web service create standard Java application or web application, use above given WSDL link for creating Web Service Client.
- Once web service client has been configured properly methods present in web service will be visible in Web Service Reference, use present methods for sending messages.

Method Name	Description
addGroup	Adds group into system.
updateGroup	Updates available group.
deleteGroup	Deletes present group.
getGroup	Returns all the present groups for the given user.
getContact	Returns all the contacts present in the given group for the given user.
addContact	Adds contact into system.
updateContact	Updates contact present in the given group.
deleteContact	Deletes contacts from the system.
sendBulkMessage	Sends bulk messages.
sendSingleMessage	Sends single messages.
getCreditDetails	Gives balance of the given user account.
getSender	Used to give allowed source for the given user.
sendGroupMessage	Used to send message to all destinations present in the given group.
scheduleMessage	Used to schedule message.
groupSchedule	Used to schedule message for the destinations present in group.
getDlr	Gets DLR information.
updateDlr	Updates DLR information.

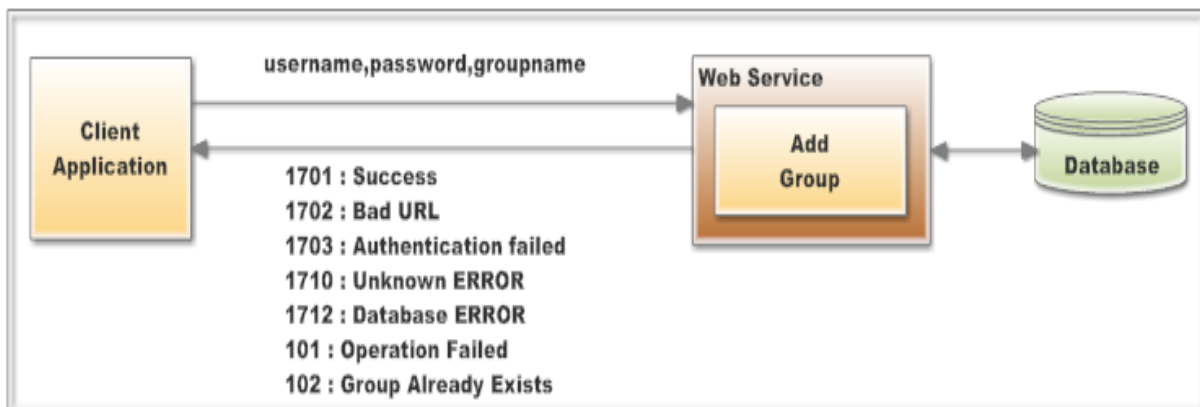
System Boundary



- **addGroup**: This method adds new group as per the name provided. If group already present for the user, then it won't get added.

Request Parameters		
Sr. No.	Parameter	Description
1	username	Name of the user.
2	groupname	Group name to be added.
3	password	Password for the respective user.

Response		
Sr. No.	Error Code	Description
1	1701	Success, Group has been added successfully.
2	1702	Bad URL. Means One of the parameter is missing.
3	1703	Bad Username Password. Means user authentication failed.
4	1710	Unknown Error.
5	1712	Database Error.
6	101	Operation Failed. Because of some internal error group addition operation failed.
7	102	Group Already Exists. Group name already present for the given user.



- **updateGroup:** This method updates name of the present group with new name provided. It first checks if the group to be updated present or not and if present it will check if there is any group with the name same as new group name for the given user.

Request Parameters		
Sr. No.	Parameter Name	Description
1	username	Name of the user.
2	password	Password for the respective user.
3	newname	New name for the group.
4	previousname	Current name of the group to be updated.

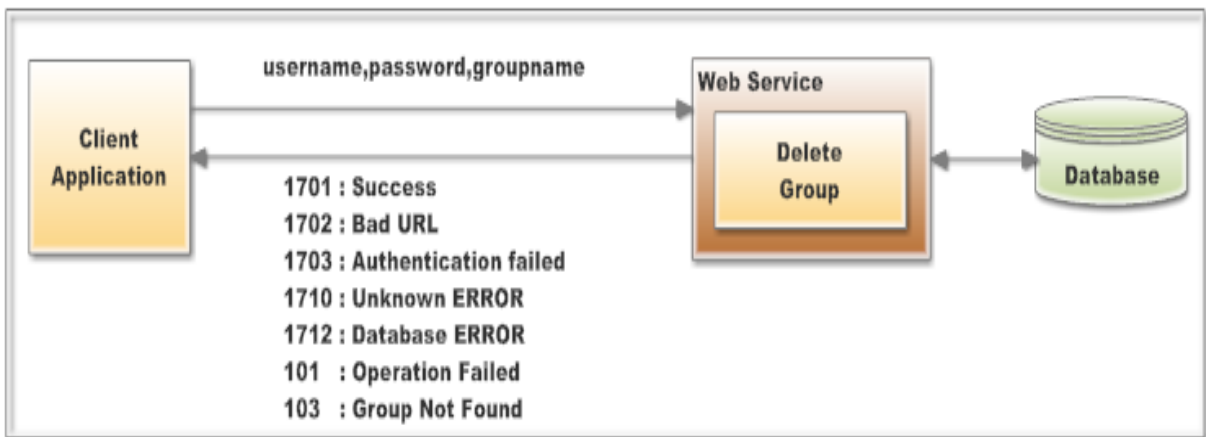
Response		
Sr. No.	Error Codes	Description
1	1701	Success, Group has been updated successfully.
2	1702	Bad URL. Means One of the parameter is missing.
3	1703	Bad Username Password. Means user authentication failed.
4	1710	Unknown Error.
5	1712	Database Error.
6	101	Operation Failed. Because of some internal error group updation operation failed.
7	102	Group Already Exists. Group name already present for the given user.
8	103	Group Not Found. Group to be updated not present.



- **deleteGroup**: This method deletes the provided group name for the given user. First it will be checked if the group present for the given user or not.

Request Parameters		
Sr. No.	Parameter	Description
1	username	Name of the user.
2	password	Password for the respective user.
3	groupname	New name for the group.

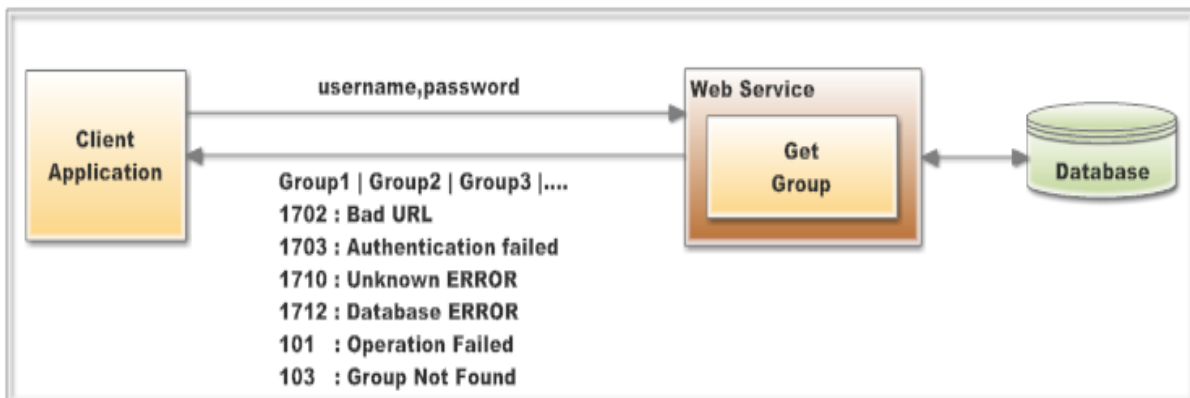
Response		
Sr. No.	Error Codes	Description
1	1701	Success, Group has been deleted successfully.
2	1702	Bad URL. Means One of the parameter is missing.
3	1703	Bad Username Password. Means user authentication failed.
4	1710	Unknown Error.
5	1712	Database Error.
6	101	Operation Failed. Because of some internal error group deletion operation failed.
7	103	Group Not Found. Group to be deleted not present.



- **getGroup**: This method returns list of present groups for the given user. In this case if there are more than one group present for the user then group names would be separated by '|'.

Request Parameters		
Sr. No.	Parameter	Description
1	username	Name of the user.
2	password	Password for the respective user.

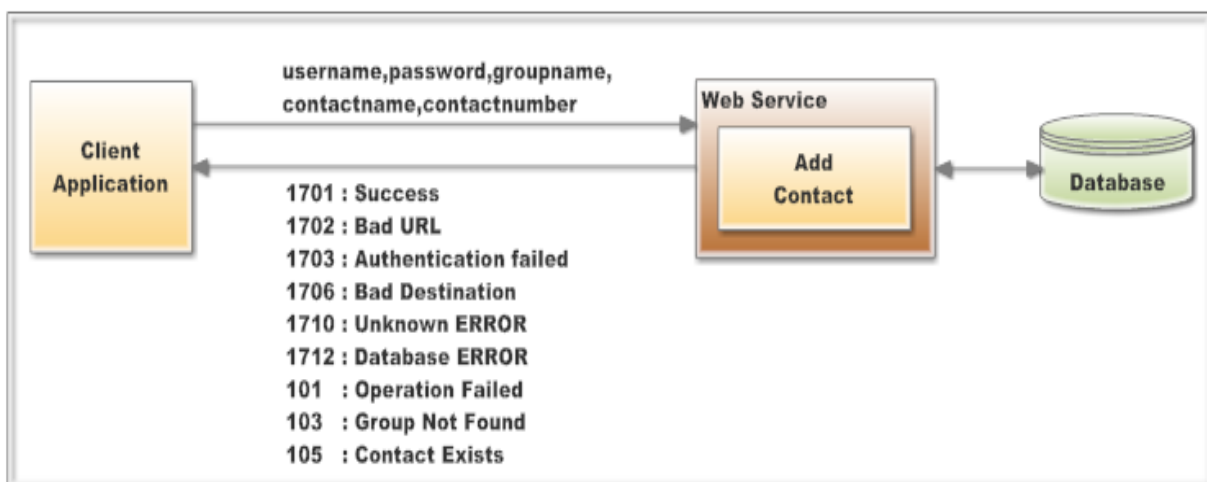
Response		
Sr. No.	Error Code	Description
1	-	In case of success group names would be returned as response. For more than one group name, names would be separated by ' '.
2	1702	Bad URL. Means One of the parameter is missing.
3	1703	Bad Username Password. Means user authentication failed.
4	1710	Unknown Error.
5	1712	Database Error.
6	104	No Record Found. No groups found for the given user.



- **addContact:** This method adds the given contact into specified group for the provided user. It first checks if the provided group exists or not, if it does then it will check if the given user name present in the group for the given user or not, and then it will add the contact into group.

Request Parameters		
Sr. No.	Parameter	Description
1	username	Name of the user.
2	password	Password for the respective user.
3	groupname	New name for the group.
4	contactname	Name of the contact to be added.
5	contactnumber	Contact number for the corresponding name to be added.

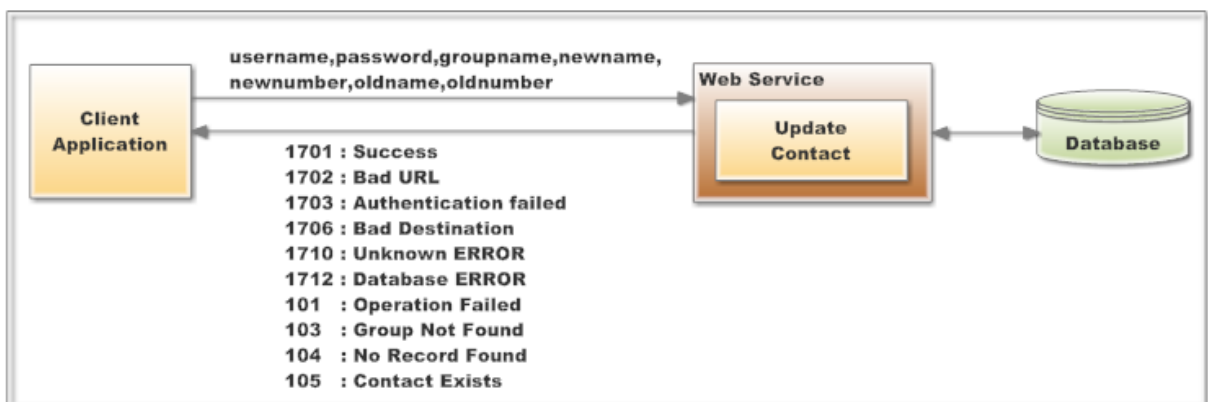
Response		
Sr. No.	Error Codes	Description
1	1701	Success, Contact has been added successfully.
2	1702	Bad URL. Means One of the parameter is missing.
3	1703	Bad Username Password. Means user authentication failed.
4	1706	Bad Destination. Contact number given by the user is invalid.
5	1710	Unknown Error.
6	1712	Database Error.
7	101	Operation Failed. Because of some internal error contact addition operation failed.
8	103	Group Not Found. Group into which contact has to be added not found for the given user.
9	105	Contact Exists. Contact name to be added already exists in the specified group for the given user.



- **updateContact:** This method updates the given contact information. In this current name or number of any contact can be updated provided the contact and the group present for the user.

Request Parameters		
Sr. No.	Parameter	Description
1	username	Name of the user.
2	password	Password for the respective user.
3	groupname	New name for the group.
4	newname	Updated contact name.
5	newnumber	Updated contact number for the corresponding contact name.
6	oldname	Contact name which has to be updated.
7	oldnumber	Corresponding Contact number which has to be updated.

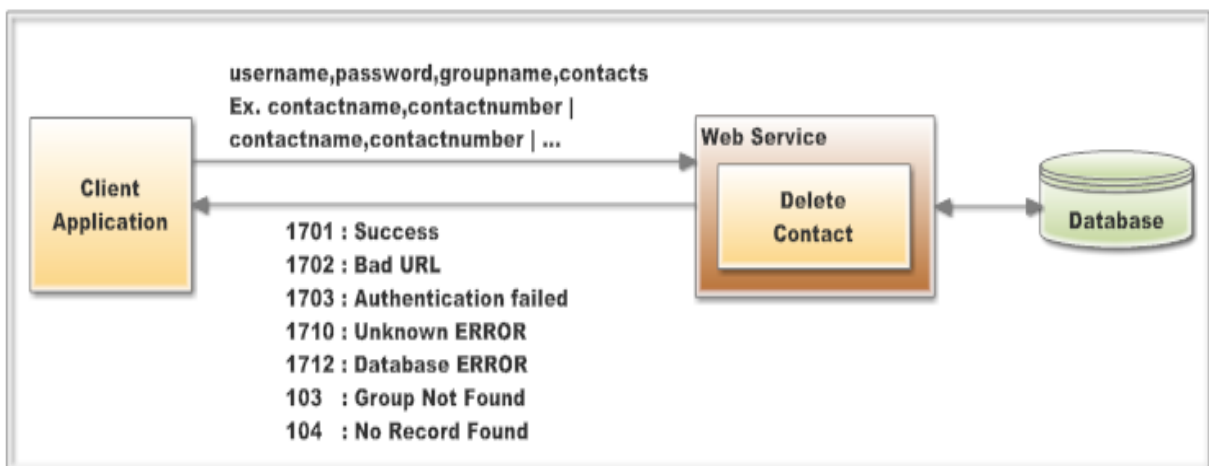
Response		
Sr. No.	Error Code	Description
1	1701	Success, Contact has been updated successfully.
2	1702	Bad URL. Means One of the parameter is missing.
3	1703	Bad Username Password. Means user authentication failed.
4	1706	Bad Destination. Contact number given by the user is invalid.
5	1710	Unknown Error.
6	1712	Database Error.
7	101	Operation Failed. Because of some internal error contact update operation failed.
8	103	Group Not Found. Group into which contact has to be updated not found for the given user.
9	104	No Record Found. Given contact name to be updated not found in the given group for the given user.
10	105	Contact Exists. Contact name to be updated already exists in the specified group for the given user.



- **deleteContact**: This method will delete the specified contact details from the given group for the provided user. It will first check if the contact present or not and then will delete it.

Request Parameters		
Sr. No.	Parameter Name	Description
1	username	Name of the user.
2	password	Password for the respective user.
3	groupname	New name for the group.
4	contacts	Contacts which has to be deleted. It is possible to delete more than one contact at a time user has to pass contactname,contactnumber contactname,contactnumber

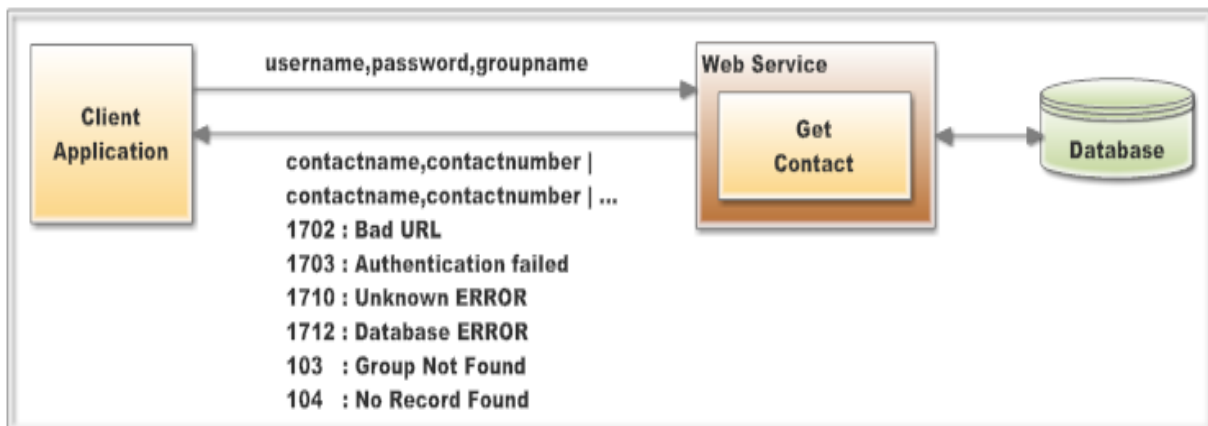
Response		
Sr. No.	Error Codes	Description
1	1701	Success, Contact has been deleted successfully.
2	1702	Bad URL. Means One of the parameter is missing.
3	1703	Bad Username Password. Means user authentication failed.
4	1710	Unknown Error.
5	1712	Database Error.
6	103	Group Not Found. Group from which contact has to be deleted not found for the given user.
7	104	No Record Found. Given contact name to be deleted not found in the given group for the given user.



- **getContact:** This method returns the contacts present in the given group for the specified user.

Request Parameters		
Sr. No.	Parameter	Description
1	username	Name of the user.
2	password	Password for the respective user.
3	groupname	New name for the group.

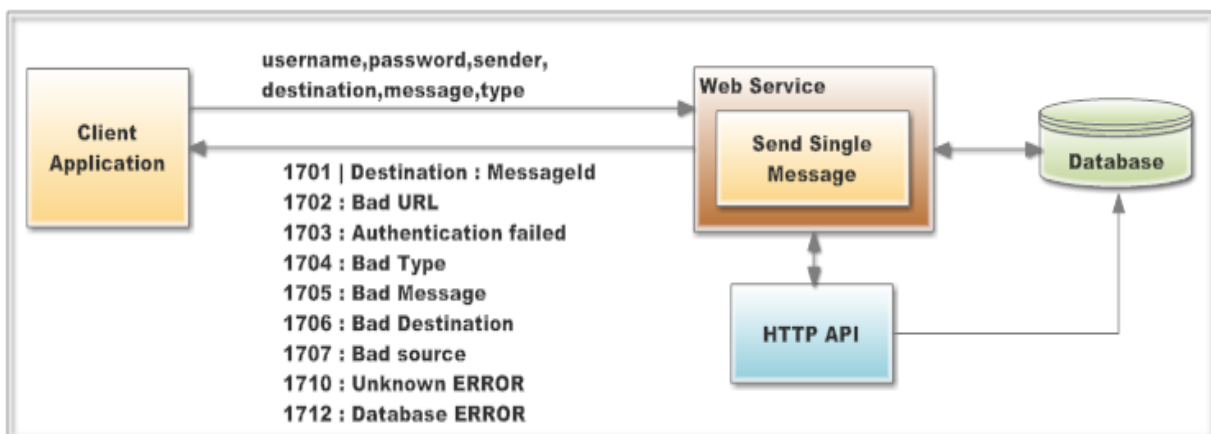
Response		
Sr. No.	Error Code	Description
1	-	In case of success contacts would be returned as contactname,contactno contactname,contactno ...
2	1702	Bad URL. Means One of the parameter is missing.
3	1703	Bad Username Password. Means user authentication failed.
4	1710	Unknown Error.
5	1712	Database Error.
6	103	Group Not Found. Group from which contacts has to be retrieved not found.
7	104	No Record Found. No contacts found in the specified group.



- **sendSingleMessage:** This method sends single message to the specified destination.

Request Parameters		
Sr. No.	Parameter	Description
1	username	Name of the user.
2	password	Password for the respective user.
3	sender	Source of the message.
4.	destination	Destination to which message has to be sent.
5	message	Message content.
6	type	Type of the message. 0: Text 1: Flash 2: Unicode 6: Unicode Flash
7	url	Used when message type=4. In case of other types it can be blank.

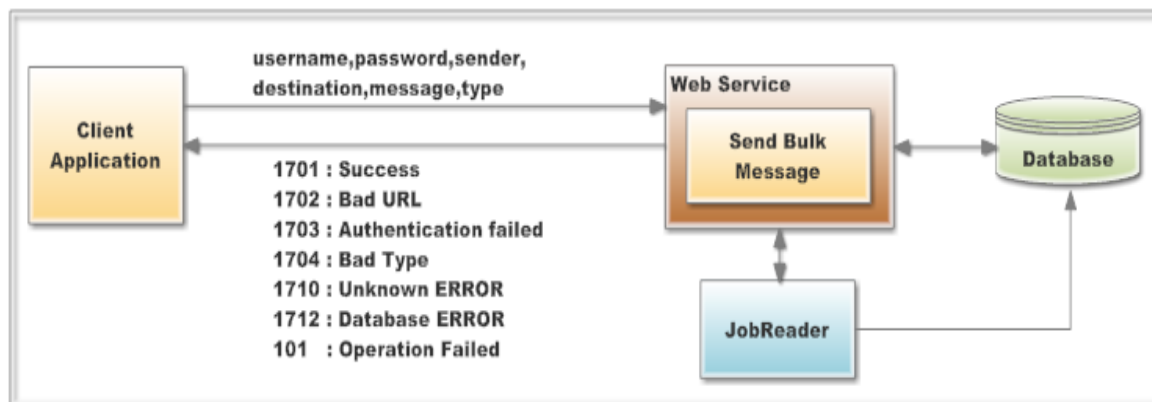
Response		
Sr. No.	Error Code	Description
1	-	In case of successful message sending 1701 destination:messageid would be returned as response.
2	1702	Bad URL. Means One of the parameter is missing.
3	1703	Bad Username Password. Means user authentication failed.
4	1704	Bad Type. Specified type is invalid. Please check the type values given in the 'Request Parameter' table above.
5	1705	Bad Message. Message provided might be empty or null.
6	1706	Bad Destination. Destination number given by the user is invalid.
7	1707	Bad Source. Message source given is invalid.
8	1710	Unknown Error.
9	1712	Database Error.



- **sendBulkMessage:** This method used to send the bulk message. In this more than one destinations can be given at a time. Only requirement for this is that every destination has to be on new line.

Request Parameters		
Sr. No.	Parameter	Description
1	username	Name of the user.
2	password	Password for the respective user.
3	sender	Source of the message.
4	destination	Destination to which message has to be sent. More than one destination has to be given on new line.
5	message	Message content.
6	type	Type of the message. 0: Text 1: Flash 2: Unicode 6: Unicode Flash
7	url	Used when message type=4. In case of other types it can be blank.

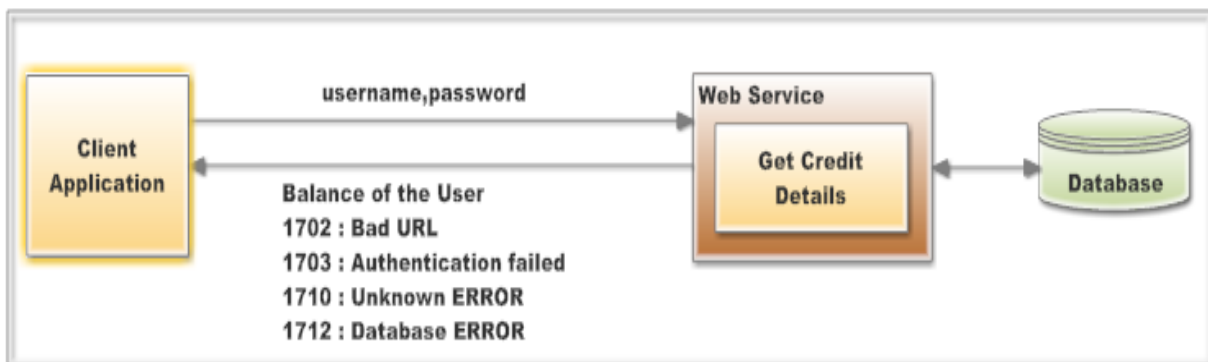
Response		
Sr. No.	Error Codes	Description
1	1701	Success. Bulk message has been loaded successfully on the server. Will get processed in some time.
2	1702	Bad URL. Means One of the parameter is missing.
3	1703	Bad Username Password. Means user authentication failed.
4	1704	Bad Type. Specified type is invalid. Please check the type values given in the 'Request Parameter' table above.
5	1710	Unknown Error.
6	1712	Database Error.
7	101	Operation Failed. Bulk message sending operation failed for some internal reasons.



- **getCreditDetails:** This method returns the balance of the given user account.

Request Parameters		
Sr. No.	Parameter	Description
1	username	Name of the user.
2	password	Password for the respective user.

Response		
Sr. No.	Error Code	Description
1	-	In case of success Balance of the account would be returned as response.
2	1702	Bad URL. Means One of the parameter is missing.
3	1703	Bad Username Password. Means user authentication failed.
4	1710	Unknown Error.
5	1712	Database Error.



- **getSender:** This method returns sender names for the respective username.

Request Parameters		
Sr. No.	Parameter	Description(Values should be URL Encoded)
1	username	Name of the user.

Response		
Sr. No.	Error Code	Description
1	-	In case of success sender from database is returned.
2	BAD_URL	One of the parameter is missing.
3	NOT_EXISTS	No record found. No sender found for that particular username.
4	DB_ERROR	Database Error.
5	ERROR	Unknown Error.



- **sendgroupMessage:** This method is used to send group message.

Request Parameters		
Sr. No.	Parameter	Description
1	username	Name of the user.
2	password	Password for the respective user.
3	message	Message to be sent.
4	type	Type of the message. 0: Text 1: Flash 2: Unicode 3: Binary 4: WAP 6: Unicode Flash
5	groupname	Name of group.
6	source	Source of message.
7	url	Used when message type=4. In case of other types it can be blank.

Response		
Sr. No.	Error Codes	Description
1	1701	Message sent successfully.
2	1702	One of the parameter is missing.
3	1703	Bad Username Password. This means user authentication failed.
4	1704	Message type is invalid.
	1705	Invalid message.
	1706	Invalid destination.
	1707	Invalid sender.
5	1710	Unknown Error.
6	1915	Group name not present.
7	1916	Destination not available for given group name.

- **scheduleMessage:** This method is used to schedule message.

Request Parameters		
Sr. No.	Parameter	Description (Values should be URL encoded)
1	username	Name of the user.
2	password	Password of the respective user.
3	message	Message to be sent.
4	destination	Destination to which the message is to be sent. More than one destination needs to be separated by a comma (,).
5	type	Type of the message. 0: Text 1: Flash 2: Unicode 3: Binary 4: WAP 6: Unicode-Flash
6	source	Source of the message.
7	scheduledate	Scheduled date for the message. Date needs to be in the following format: MM/DD/YYYY MM: Examples of month: 01,12 DD: Examples of date: 01,18,30 YYYY: Example of year: 2013 Example of scheduledate: 03/03/2013
8	scheduletime	Scheduled time for the message. Time needs to be in the following format: hh:mm am/pm hh: Hours range from 00 to 12 mm: Examples of minutes: 00, 15, 30 am/pm: one of (am) or (pm) Example of scheduletime: 03:45 am OR 11:51 pm
9	gmt	GMT +hh:mm OR GMT -hh:mm OR +hh:mm OR -hh:mm hh: Hours range from 0 to 12 mm: Examples of minutes: 00 or 30 Example: GMT +1:30 OR -10:00
10	url	URL is used in case of type=4 messages .In other cases, it can be kept empty.

Response		
Sr. No.	Error Code	Description
1	1701	Message scheduled successfully.
2	1702	One of the parameter is missing.
3	1703	User authentication has failed.
4	1704	Invalid message type.
5	1705	Invalid message.
6	1706	Invalid destination.
7	1707	Invalid sender.
8	1710	Unknown error.
9	1902	Bad schedule date.
10	1904	Bad schedule time.
11	1903	Invalid GMT.
12	1905	Invalid date and time OR date and time is already past.

- **groupSchedule:** This method is used to schedule group message.

Request Parameters		
Sr. No.	Parameter	Description (Values should be URL encoded)
1	username	Name of the user.
2	password	Password of the respective user.
	groupname	Name of group.
3	message	Message to be sent.
5	type	Type of the message. 0: Text 1: Flash 2: Unicode 3: Binary 4: WAP 6: Unicode-Flash
6	source	Source of the message.
7	scheduledate	Scheduled date for the message. Date needs to be in the following format: MM/DD/YYYY MM: Examples of month: 01,12 DD: Examples of date: 01,18,30 YYYY: Example of year: 2013 Example of scheduledate: 03/03/2013
8	scheduletime	Scheduled time for the message. Time needs to be in the following format: hh:mm am/pm hh: Hours range from 00 to 12 mm: Examples of minutes: 00, 15, 30 am/pm: one of (am) or (pm) Example of scheduletime: 03:45 am OR 11:51 pm
9	gmt	GMT +hh:mm OR GMT -hh:mm OR +hh:mm OR -hh:mm hh: Hours range from 0 to 12 mm: Examples of minutes: 00 or 30 Example: GMT +1:30 OR -10:00
10	url	URL is used in case of type=4 messages .In other cases, it can be kept empty.

Response		
Sr. No.	Error Code	Description
1	1701	Message scheduled successfully.
2	1702	One of the parameter is missing.
3	1703	User authentication has failed.
4	1704	Invalid message type.
5	1705	Invalid message.
6	1707	Invalid sender.
7	1710	Unknown error.
8	1902	Bad schedule date.
9	1904	Bad schedule time.
10	1903	Invalid GMT.
11	1905	Invalid date and time OR date and time is already past.
12	1915	Group name not present.
13	1916	Destination not available for given group name.

- **getDlr**: This method returns dlr information of given messageid.

Request Parameters		
Sr. No.	Parameter	Description (Values should be URL encoded)
1	username	Name of the user.
2	password	Password for the respective user.
3	messageid	Message Id of the message whose DLR information is to be returned.

Response		
Sr. No.	Error Code	Description
1	-	In case of success, dlr info would be returned as sender mobilen status dtSubmit dtDone costPerSms charge errorExpression; sender mobilen status dtSubmit dtDone costPerSms charge errorExpression;
2	1702	Bad URL. This means one of the parameter is missing.
3	1710	Unknown Error.
4	104	No Record Found. No messageid found for particular username.

- **updateDlr**: This method deletes record of the given messageid.

Request Parameters		
Sr. No.	Parameter	Description (Values should be URL encoded)
1	username	Name of the user.
2	password	Password for the respective user.
3	messageid	Message Id of the message whose record is to be deleted.

Response		
Sr. No.	Error Code	Description
1	1701	In case of success, records are deleted.
2	1702	Bad URL. This means one of the parameter is missing.
3	1710	Unknown Error.
4	104	No Record Found. No messageid found for particular username.

Error Codes

- 101: Operation Failed.
- 102: Group Exists.
- 103: Group Not Found.
- 104: No Record Found.
- 105: Contact Exists.
- 1701: Success.
- 1702: Bad Type.
- 1703: Bad Username Password.
- 1704: Bad Type.
- 1705: Bad Message.
- 1706: Bad Destination.
- 1707: Bad Source.
- 1710: Unknown Error.
- 1712: Database Error.
- 1901: Bad Content Type.
- 1902: Bad Schedule Date.
- 1903: Bad GMT.
- 1904: Bad Schedule Time.
- 1905: Bad Schedule Timestamp.
- 1913: Too many requests.
- 1914: Invalid date.
- 1915: No Group available.
- 1916: No Contacts available.