

E-Gram Seva

# Test Cases Report v1.0

Team 22

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## REVISION HISTORY

Version	Author	Date
Version 1	Abhishek Shukla	APRIL 08, 2013
Review Version 1	Rutvik Jhala	APRIL 09, 2013

## **1. Glossary:-**

**1.1** Test Case ID: Signifies the Case ID of the test case.

**1.2** Prerequisite: The condition which must be satisfied before the execution of the test case.

**1.3** Description: Briefly describes the test case.

**1.4** Expected Output: The output that should be achieved.

## **2. Modules to be Tested are:-**

**2.1** Accessing the homepage

**2.2** Sign in

**2.3** Registration (online)

**2.4** Registration (mobile)

**2.5** User Specific Tests

a. Edit Registrations (register/ deregister)

b. News navigation

c. Forgot Password

d. Change password

**2.6** Admin Specific Tests

a. News Updating (Ripper)

b. Message sending

c. Statistics

**2.7** Queries

**2.8** Translator

**2.9** Message sending and receiving

**2.10** Database

**2.11** Hyperlink

### 3 Test Cases Description

#### 3.1 Accessing the homepage

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
<b>T-1</b>	Entering incorrect URL	User uses web browser to navigate web pages.	URL	Browser will show the error message that page not found or different site will open	This web page is not available	PASS
<b>T-2</b>	Entering correct URL	User uses web browser to navigate web pages.	URL	Home page of the website will be displayed by the browser	Homepage opens	PASS

#### 3.2 Sign in

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
<b>T-3</b>	Blank Mobile No	Every Registered user has mobile no and password stored in the database	Mobile no	An Error message will be displayed on the screen asking user to re-enter the mobile no and Password	Incorrect Password/ Phone no. Page redirected to sign in page	PASS
<b>T-4</b>	Blank Password	Every Registered user has mobile no and password stored in the database	Mobile no and Password	An Error message will be displayed on the screen asking user to re-enter the mobile no and Password	Incorrect Password/ Phone no. Page redirected to sign in page	PASS

<b>T-5</b>	Invalid mobile no	Every Registered user has username and password stored in the database	Mobile no and Password	An Error message will be displayed on the screen asking user to re-enter the mobile no and Password	Incorrect Password/ Phone no. Page redirected to sign in page	PASS
<b>T-6</b>	Invalid Password	Every Registered user has mobile no and password stored in the database	Mobile no and Password	An Error message will be displayed on the screen asking user to re-enter the mobile no and Password	Incorrect Password/ Phone no. Page redirected to sign in page	PASS
<b>T-7</b>	Correct Username & Password	The user has registered to this site.	Username and Password	The Home Page of the Person will be displayed by the browser	Signed in , user redirected to homepage	PASS

### 3.3 Registration / Deregistration (Online)

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
<b>T-8</b>	Blank Fields during registration	Some of the fields left unfilled	Mobile No, Password, Subscription	An error message will be displayed saying that the fields cannot be left blank	Error messages:- Password too short, Please subscribe to at least one service, Phone no should have at least 10 digits	PASS
<b>T-9</b>	Invalid mobile no(alphanumeric or special character or less than or	Register button clicked	Mobile no	An message will be displayed saying to input correct mobile no	Error messages:- Phone no should have at least 10 digits	PASS

	more than 10 digit no )					
<b>T-10</b>	Short Password or different password in the 1 <sup>st</sup> & 2 <sup>nd</sup> iteration	Register button clicked	Match the Password typed in the 1st iteration with the password in the 2 <sup>nd</sup> iteration	An error message saying that password typed differ	Error messages:- Password too short, Confirm password does not match the password	PASS
<b>T-11</b>	Mobile no already registered	Register button clicked	Mobile No	Message saying that user is already registered and loading the login page	Redirected to login page	PASS
<b>T-12</b>	Successful registration / deregistration	Valid and correct data in all the data fields	Mobile No, Password, Subscription	A message will be displayed saying that you have successfully registered and database is updated , redirected to login page	Successful registration And Redirected to login page	PASS

### 3.4 Registration / Deregistration (from mobile)

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
<b>T-13</b>	Blank registration / deregistration message	Registration / deregistration message	Registration / deregistration message	A reply message will be sent saying that improper format of message	improper format of message	PASS
<b>T-14</b>	Message does not contain "REG" or "UNREG"	Registration / deregistration message	Registration / deregistration message	A reply message will be sent saying that improper format	improper format of message	PASS

				of message		
<b>T-15</b>	Message language not English	Registration / deregistration message	Registration / deregistration message	A reply message will be sent saying that improper format	improper format of message	PASS
<b>T-16</b>	Non existing registration category	Registration / deregistration message	Registration / deregistration message	A reply message will be sent saying that the category does not exist	improper format of message	PASS
<b>T-17</b>	Successful registration	Valid category and correct format	Registration / deregistration message	A message will be sent saying that you have successfully registered & login password, database is updated	Sent message "PASSWORD: XXXXX"	PASS

### 3.5 User specific tests

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
<b>T-18</b>	Subscription	Registered user should click Subscribe	Value of subscribe button	Page redirection to subscription form	Subscription added	PASS
<b>T-19</b>	Forgot password	Forgot password button clicked	Value of forgot password button, Mobile no	Message sent to mobile no containing new password	Please enter your registered mobile number. The password sent on your phone no.	PASS
<b>T-20</b>	Password Change	Registered user should click Change password	Value of change password button, Mobile no	Password changed and database updated	Password changed and database updated	PASS
<b>T-21</b>	News navigation	News link clicked	Working hyperlink	News opens in new tab	Hyperlinks opened detailed news in new tab	PASS

### 3.6 Admin specific tests

Test Case ID	Test Case	Prerequisite	Data to be tested	Expected output	Actual Output	Test Result
T-22	Send message to registered candidate	Admin login	Mobile no. where message is being sent	Information containing message should be sent	Message sent	PASS
T-23	Statistics	Admin login	Subscription and user database	All users and their subscription is shown	Graphs of month-wise total no of users and no of users subscribed	PASS

### 3.7 Queries

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
T-24	Blank message received	Message received	Received message	A reply message will be sent saying that improper format of message	improper format of message	PASS
T-25	Non existing category	Message received	Received message	A reply message will be sent saying that improper format of message	improper format of message	PASS
T-26	Existing disease category queried	Message received	Received message	Disease Information of the Queried ID is sent	Disease name, symptoms and cure sent	PASS



### 3.8 Translator

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
T-27	Word Translation	News to be translated has been stored	Message to be translated	Single words translated correctly	Translated word	PASS
T-28	Grammatical translation	News to be translated has been stored	Message to be translated	Words are being translated correctly with certain grammatical accuracy	Small sentence : accurate translation  Large sentence : Approximately readable	PASS  PASS

### 3.9 SMS transmission and reception via Diafaan

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
T-29	Message Received	Net connectivity	Message_in database	Message should be stored in message_in database	Message_in database updates	PASS
T-30	Message Sent	Net connectivity	Message_OUT database	Message should be stored in message_out database	Message_out database updates	PASS

### 3.10 Database

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
T-31	Updating	Database modification	Database	Triggers should be run and database updated	Triggers work , accurate updating	PASS

### 3.11 Hyperlink

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
T-32	Hyperlinks	Hyperlinked objects accessed	Hyperlink status	Redirection of user to the linked page	All hyperlinks worked as desired	PASS

### 3.12 Seeds' price for news

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
T-33	Prices being captured	Ripper scheduled and running	Database of ripper	Prices being stored to database	3 columns of Table EX of database updated	PASS
T-34	Price Updating	User uses web browser to navigate web pages.	Database of ripper	Periodic updating of database	Automatic updating of database synchronized with website updating	PASS

## 4 Integration Testing

The purpose of integration testing is to confirm that the interfaces between module works correctly i.e. the modules work well when they are combined together to build up the system. Modules would be subject to testing after being integrated with other modules to make sure that integration has not affected the individual functionality of the module. Modules will be added one by one to the already tested ones and then tested again.

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
<b>T-35</b>	Registering	A user registers by mobile or website	Users message and online registration	Successful registration, send password and Database Updating	Successful registration And Redirected to login page	PASS
<b>T-36</b>	Deregistering	A user deregisters	Users message and online deregistration	Successful deregistration and Database Updating	Successful deregistration And Redirected to login page	PASS
<b>T-37</b>	Forgot password	User registered, Forgot password button clicked	User database and Forgot password button value	Password sent to him again	Please enter your registered mobile number. The password sent on mobile no	PASS
<b>T-38</b>	Change Password	User registered, Change password button clicked	User database and Change password button value	New password set and updated in database	Old pass word, new password and confirm password field & database updated	PASS
<b>T-39</b>	Information sending thorough messages	Database updated with new information	Information Database and SMS gateway's operation	Information from database is read and Message is sent	Message_in and Message_out database updated and Message content coherent with information database	PASS
<b>T-40</b>	Front end and back end connectivity	User uses web browser to navigate web pages.	Data entered at front end and its coherence with database	Total coherency between front end and back end data	Total coherency between front end and back end data	PASS
<b>T-41</b>	Database connectivity with SMS gateway	Message database exists, gateway is operating	Coherency of sent message and message in database	No mismatch between data in database and the data sent	Message_in and Message_out database updated and Message content coherent with information	PASS

					database	
<b>T-42</b>	Web ripper and Database integration	Data abstracted from website by ripper	Web ripper database	Database of ripper should be in agreement with that of the Information database	Data from ripper successfully stored	PASS
<b>T-43</b>	Translator, database and SMS gateway Integration	Message to be translated exists and translator , Gateway is running	Message to be Translated , translated message and sent message	Agreement of Message to be Translated , translated message and sent message	Small sentence : accurate translation and message sending	PASS
					Large sentence : Approximate but readable message sent	PASS
<b>T-44</b>	Message query response	User messages with correct query code	User message	If correct query format Query recorded, Response generated ,translated and sent	Disease name, symptoms and cure sent	PASS
				If wrong query message	Improper message format	PASS
<b>T-45</b>	Hyperlinks	Hyperlinks exist	Hyperlinks and Hyperlinked pages	All hyperlinks work as desired	All hyperlinks worked as desired	PASS
<b>T-46</b>	Registration through mobiles and webpage	Registration message or online submission	User message or mobile no, password and category for online , and User database	Successful registration , database updating and password sending	Successful registration , database updated and password sent to user	PASS
<b>T-47</b>	Database updating	New data for database has been received	Database	Database automatically updated	Periodic Updation of database	PASS

## 5. System Testing

Test Case ID	Test Case	Prerequisite	Data to be Tested	Expected Output	Actual Output	Test Result
T-48	User registration from mobile	User sends registration message	User message	Successful registration and password sending if correct registration format	Password Sent	PASS
				Error message of improper format sending if incorrect registration format	"improper format" message sent	PASS
T-49	User registration online	User uses web browser	Registration fields i.e. mobile no, password and category	Successful registration and database updating if correct registration format	User registered and home page opened	PASS
				Error message of improper format if incorrect registration fields	Message empty fields please try again and registration page reloaded	PASS
T-50	Information sending to registered users	Users registered	Message_out database and translated data	Coherency between message_out database and translated data	Translated message sent	PASS

<b>T-51</b>	Disease query	Query message from user	Message_in database	If user registered for health updates Disease name , symptoms and cure sent	Disease name, symptoms and cure sent	PASS
				If user unregistered for health updates registration message for mat sent		PASS
<b>T-52</b>	Admin messages	Admin login	Message_out	Message sent to registered users	Message sent	PASS
<b>T-53</b>	Hyperlinks	Hyperlinks exist	Hyperlinks and Hyperlinked pages	All hyperlinks work as desired	All hyperlinks worked as desired	PASS