|  |
| --- |
| E-Gram Seva |
| Test Cases Report v1.0 |
| Team 22 April 8, 2013 |

|  |
| --- |
|  |

**REVISION HISTORY**

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

1. **Glossary:-**
   1. Test Case ID: Signifies the Case ID of the test case.
   2. Prerequisite: The condition which must be satisfied before the execution of the test case.
   3. Description: Briefly describes the test case.
   4. Expected Output: The output that should be achieved.
2. **Modules to be Tested are:-** 
   1. Accessing the homepage
   2. Sign in
   3. Registration (online)
   4. Registration (mobile)
   5. User Specific Tests

a. Edit Registrations (register/ deregister)

b. News navigation

c. Forgot Password

d. Change password

* 1. Admin Specific Tests

1. News Updating (Ripper)
2. Message sending
   1. c. Statistics
   2. Queries
   3. Translator
   4. Message sending and receiving
   5. Database
   6. 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** |
| **T-1** | 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 |
| **T-2** | 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 |

* 1. **Sign in**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** | **Actual Output** | **Test Result** |
| **T-3** | 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 |
| **T-4** | 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 |
| **T-5** | 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 |
| **T-6** | 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 |
| **T-7** | 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 |

* 1. **Registration / Deregistration (Online)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** | **Actual Output** | **Test Result** |
| **T-8** | 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 |
| **T-9** | Invalid mobile no(alphanumeric or special character or less than or more than 10 digit no ) | 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 |
| **T-10** | Short Password or different password in the 1st & 2nd iteration | Register button clicked | Match the Password typed in the 1st iteration with the password in the 2nd iteration | An error message saying that password typed differ | Error messages:-Password too short,  Confirm password does not match the password | PASS |
| **T-11** | 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 |
| **T-12** | 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 |

* 1. **Registration / Deregistration (from mobile)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** | **Actual Output** | **Test Result** |
| **T-13** | 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 |
| **T-14** | Message does not contain “REG” or “UNREG” | Registration / deregistration message | Registration / deregistration message | A reply message will be sent saying that improper format of message | improper format of message | PASS |
| **T-15** | 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 |
| **T-16** | 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 |
| **T-17** | 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 |

* 1. **User specific tests**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case** | **Prerequisite** | **Data to be Tested** | **Expected Output** | **Actual Output** | **Test Result** |
| **T-18** | Subscription | Registered user should click Subscribe | Value of subscribe button | Page redirection to subscription form | Subscription added | PASS |
| **T-19** | 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 |
| **T-20** | 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 |
| **T-21** | News navigation | News link clicked | Working hyperlink | News opens in new tab | Hyperlinks opened detailed news in new tab | PASS |

* 1. **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 moth-wise total no of users and no of users subscribed | PASS |

* 1. **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 |

* 1. **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 |

* 1. **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 |

* 1. **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 |

* 1. **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 |

* 1. **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 |

1. **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** |
| **T-35** | 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 |
| **T-36** | Deregistering | A user deregisters | Users message and online deregistration | Successful deregistration and Database Updating | Successful deregistration  And Redirected to login page | PASS |
| **T-37** | 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 |
| **T-38** | 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 |
| **T-39** | 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 |
| **T-40** | 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 |
| **T-41** | 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 database | PASS |
| **T-42** | 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 |
| **T-43** | 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  Large sentence :  Approximate but readable message sent | PASS  PASS |
| **T-44** | 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  Improper message format | PASS  PASS |
| If wrong query message |
| **T-45** | Hyperlinks | Hyperlinks exist | Hyperlinks and Hyperlinked pages | All hyperlinks work as desired | All hyperlinks worked as desired | PASS |
| **T-46** | 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 |
| **T-47** | 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  PASS |
| Error message of improper format sending if incorrect registration format | “improper format” message sent |
| **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  Message empty fields please try again and registration page reloaded | PASS  PASS |
| Error message of improper format if incorrect registration fields |
| **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 |
| **T-51** | 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  PASS |
| If user unregistered for health updates registration message for mat sent |
| **T-52** | Admin messages | Admin login | Message\_out | Message sent to registered users | Message sent | PASS |
| **T-53** | Hyperlinks | Hyperlinks exist | Hyperlinks and Hyperlinked pages | All hyperlinks work as desired | All hyperlinks worked as desired | PASS |