

Appendix D

Program Run Instructions

To run the StegChat web application requires a Google account, with stored contacts. If you do not have an Google account, it is recommended that you run the local test program.

D.1 StegChat

To access the StegChat application, in you web browser go to <http://stegchat.appspot.com>. A Google account, with at least one saved contact is required to access the application. To communicate with another user they must be in your contacts list and also have a Google account.

Once you have signed in, click on "Authorise Contacts", you will be presented with a link to authorise contacts access. You will then be guided to the chat screen and click on "Fetch Contact" to get your contact list. You can then select a contact from the dropdown box and click create chat to open a chat connection to that user. This second user needs to perform the same task with your account to enable chatting.

Bits can be added using the "Add Bits" form, by typing the data in the form "101101...". Messages can be entered in the box below. NOTE: Long message may overrun request time limits and not be processed. if you wish to test the algorithm with longer text strings use the evaluation program.

D.2 StegChatEval

The source files of this program are included. The simplest way to run the program is to load the project into eclipse, add the jaws-bin.jar library (included on the cd), and add the VM option

`-Dwordnet.database.dir=C:\Users\Joe\Desktop\dict`

Where the address points to the location of the "dict" folder containing the wordnet files.