CS2108 Group Project README - Team 3

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How to run:

Open the file project.m in Matlab, in the same directory as the Edelweiss.mp3 file.

Update the 'message' string on line 22 to contain the desired message to be encoded.
The default message is *'Today is a bright sunny day. It is the D day. Everyone is excited. We want to demonstrate our course project in our CS2108 Intro to Media Computing.'*

Run the file with the command 'run project.m'.

The program will create two files. The first is edelweiss_36seconds.mp4, which contains the first 36 seconds of the Edelweiss music from the Edelweiss.mp3 file. The encoding algorithm will then run on this file to create the edelweiss_with_message.mp4 file. Next, the program will decode the message from the edelweiss_with_message.mp4 file and print the result to the output. Three figures will also be created, to visualise the edelweiss_with_message.mp4 file after applying a low pass filter, after adding the encoding frequencies, and after decoding.