**Project 2: C#, MATLAB, sound files**

**EE 365: Small Computer Software**

Abdullah Aljandali

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**Overview of the project:**

Made a WPF application using visual studio C#. The application takes in an WAV file from the user and performs certain Matlab functions on it. The user can view information about the wav file, play the wav file, plot in time and frequency domain, and filter the wav.

To accomplish this, I had to write a program that uses Matlab functions provided with the projects handout for all the procedures made on the wav file. I also had to learn how to add the Windows Forms Chart tool to a WPF project and plot the graphs of the wav.

Extras:

1. Included an About box that gives the author, date, etc.
2. Provided a list of instructions and help information.
3. Made Input Box for the cutoff frequency
4. A message box shows when out of range cutoff frequencies are chosen.
5. Allows user to control background and foreground colors