CS162 Projects Information

Do-Not List for All Programming Assignments for this class:

- No Global Variables (you can have global constants)
- No use of the stdio library (use iostream and fstream)
- Instead of the string class, you will be using arrays of characters and the cstring library
- No STL containers such as vector. You have to implement your own vector for this class.

Things You Should Do:

- Follow the style guide for this class
- Your programs should always guard against bad data being entered by mistake
- You can always do more than the assignments require

Projects Submission:

Organize your directories:

Create directory for the class: `mkdir cs162`

Go inside the directory: `cd cs162`

Create directories for the project: `mkdir project1`

Go inside the project directory: `cd project1`

Edit, compile and run your code:

Create source file for the program using vi, the editor: `vi project1.cpp`

An alternative editor is nano: `nano project1.cpp`

Compile the source code (later on you will use makefile): `g++ -o proj1 project1.cpp`

Run the executable file: `./proj1`

Email the .tar file containing your project directory

To create a tar file of the project directory:

- remove the executable files in the project directory: `rm proj1`
- go to the parent directory that contains the project directory: `cd ..`
- `tar -cvf project1.tar project1`

To email the tar file to the instructor and yourself:

```
mailx -a project1.tar lliang your-login-name
```

entering the subject "CS162 Project 1 Submission"

entering the message here (an example: known bugs: ...)

Known bugs: ...

.

a single period at the beginning of new line will send the email

To check if you have sent the file correctly:

```
mailx
```

assuming the message index is 3, type

```
w 3
```

to save the message. It will ask you for attached file name if the message is not empty. If it's an empty message, 3 is the tar file name. The file will be saved in the current working directory.

The following command will extract from the tar file.

```
tar xvf tarFileName
```