

# CS162 Projects Information

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## 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 must implement your own array 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 but you must stick to the data modeling requirements. Meaning if you are required to use arrays, you must use arrays and not classes and linked lists.

## Projects Submission:

### Organize your directories:

Create directory for the class: `mkdir cs162`

Go inside the directory: `cd cs162`

Create directories for the project: `mkdir project3`

Go inside the project directory: `cd project3`

### Edit, compile and run your code:

Create source file for the program using vi, the editor: `vi project3.cpp`

An alternative editor is nano: `nano project3.cpp`

Compile the source code (later on you will use makefile): `g++ -o proj3 project3.cpp`

Run the executable file: `./proj3`

## 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 proj3.` go to the parent directory that contains the project directory: `cd ..`
- `tar -cvf project3.tar project3`

### *To email the tar file to the instructor and yourself:*

`mailx -a project3.tar gd.iyer your-login-name`

entering the subject “CS162 Project3 Submission” entering

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

Known bugs: ...

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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
```