Contents

Version 0

Files mandated by Lab 2

Your lab 2 **must** be split over various C code files and header files.

C code files:

- lab2.c owns main and only the highest level functions
- you need a file to deal with the bit field
- you need a file to deal with physics and motion
- you need a file that does most of the output
- you need a file that does input
- [this list is not yet certified complete]

Header files for constants:

- A place for constants related to array subscripts (most but not all of the C code files will include this header)

Header files for function declarations:

> Use **make -r headers** each time you add a function to any of your C code files. Remake the headers if you change the signature of any function as well.
>
> **Every** C code file you write must include its own header so that the declarations in the header are validated against the definitions in the C code file. In other words, lab2.c must #include lab2.h.
>
> If you get weird errors about your functions, run **make -r headers** again and then rebuild the lab code.
>
> Also check for a missing #include if you get errors about functions that you call in other files.

You will need to #include some of those function declaration header files in more places than the code that generates them. It is likely that lab2.c will need to include the header file for the output functions. The bits header file will be needed in a few places, but bits should not need any outside header files.