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Project: 3

The tar ball contains the following files:

- README.txt:- describes the code, the compilation process and the sample output. Also gives a brief technical review of what the code is like. Further, it highlights the critical functions used in the code.
- bt_client.c:- this file serves as the entry point of the program as it houses the main function.
- bt_lib.c:- the file contains all the important functions that are used to establish a connection between the seeder and the leecher, exchange handshake messages and the subsequent messages for data transfer. It also contains the code to print the status messages at the leecher after completing the download each piece.
- bt_setup.c:- the file has two functions to display the help message, parse a char string and populate the peer instance and a function to parse the command line argument and populate a bt_args_t instance.
- bencode.c:- the file contains the code to parse the torrent file and populate a be_node variable. It also contains the code to print the values of this structure (be_node).
- Make:- make file consists of the code to compile the c files and clean the .o files

Additionally, it also contains the header files.

Team Spirit:

Both, my project partner and I were equally up to the task. We have put in equal efforts but if rated on the basis of the output produced in terms of code written, 65 % of the work was contributed by me and a generous 35% of the work was done by my project partner.

Credits:

- Discussion with Andrew Kaizer, Associate Instructor for Computer Networks.
- Discussion with classmates.

Books Reference:

- *TCP/IP Sockets in C: A Practical Guide for Programmers (2nd Edition)*, by Michael J. Donahoo and Kenneth L. Calvert.
- Let us C: by Yashwant P. Kanetkar