1. Tracker Communication → plan to be done by Dec.5, status: completed

   a. Done parsing and decoding the torrent file (Yuxin Chen. Jordan Johnson: yc_jojo branch - `64123952)`

   b. Done sending the GET message to the tracker (Yuxin Chen. Jordan Johnson: yc_jojo branch - `64123952)`

   c. Done receiving the response from the tracker with peer information (Yuxin Chen. Jordan Johnson: yc_jojo branch - `64123952)`

   d. Done parsing the peers from the message (Yuxin Chen. Jordan Johnson: yc_jojo branch - `64123952)`

   e. **error handling not implemented yet

2. Peer-to-Peer communication → plan to be done by Dec.8, status: completed except piece message

   a. Completed sending and receiving the handshake (Yuxin Chen. Jordan Johnson: yc_jojo branch - `64123952)`

   b. Completed function for creating/receiving/parsing the messages (Yuxin Chen: yc_jojo branch - `64123952)`

   c. Requesting and receiving data blocks from peer to download file (Zhuo Cheng Xie)

   d. Advertising current files to other peers (WIP: Zhuo Cheng Xie)

3. File system component → Plan to be done by Dec. 5, status:

   a. Store and keep track of all pieces received (Zhuo Cheng Xie)

   b. Write pieces to file once pieces are compared against hash (Zhuo Cheng Xie)

4. Connection management → Plan to be done by Dec. 8, status:

   a. select() for peers (WIP: Jordan Johnson; not sure exactly where to put it.)

5. Interfaces

a. tracker/peer to peer interface

    i. The list of peers are parsed from the response from the tracker communication (DONE: Yuxin Chen)

    ii. Use the list of peer to create connections (On progress: Jordan Johnson)

b. Peer to peer/File System interface

    i. The piece message is parsed and then ready for checking and storing for the filesystem part(On progress: Zhuo Cheng Xie)

c. Peer to peer/connection management interface

    i. Keeps track of peers that are choked and unchoked in order to know which peers to communicate with

    ii. Adding and removing connections between peers and our client