

# BitTorrent Tracker: deliverable 3

## Group 01

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### 1 Threads

Our application uses the following threads:

- `tracker.networking.runnables`: threads for networking purposes.
  1. `NetworkerReadRunnable`: thread to read messages.
  2. `NetworkerWriteRunnable`: thread to write messages.
  3. `NetworkerPeerReadRunnable`: thread to read messages from the peer. Not used in this deliverable, but it has been left for completeness.
  4. `NetworkerPeerWriteRunnable`: thread to write messages from the peer. Not used in this deliverable, but it has been left for completeness.
  5. `NetworkerStatusRunnable`: thread to display a status image, used in our testing phase.
- `tracker.subsys.cfts.FaultToleranceSys`: threads to handle the Fault Tolerance System.
  1. **Main thread**: initialises the `FaultToleranceSys`' listeners.
  2. **KA timer thread**: to send KA messages.
  3. **HI timer thread**: to send HI messages.
- `tracker.subsys.db.DBFaultToleranceSys`: threads to handle the Database Fault Tolerance System.
  1. **Main thread**: handles if the master has to send an Announce or a Commit order again.
- `tracker.subsys.election.MasterElectionSys`: threads to handle the MasterElectionSystem.
  1. **Main thread**: initialises the `MasterElectionSys`' listeners.