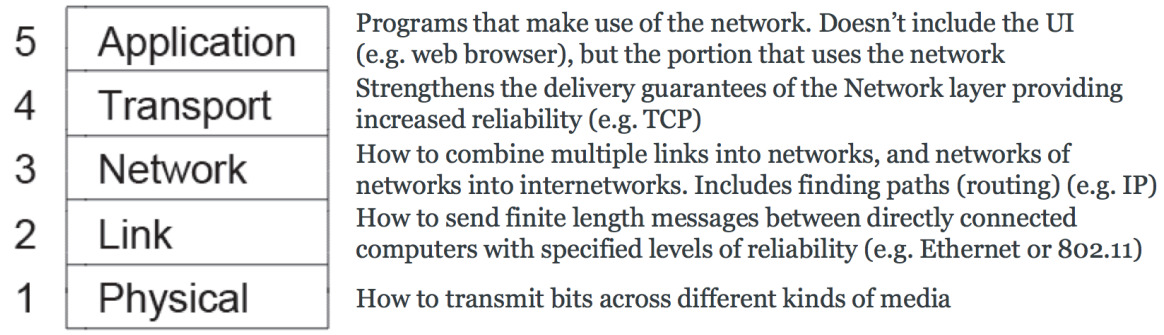
Team B1 – Network Structure

Reference model:



Application – All of us

What we have already:

- Mostly working physical layer (needs bugs fixing)

Possible Proposal:

- Application layer offers the UI (possibly a terminal on a computer) "to" and "message" fields
- Transport layer is similar to TCP (i.e., connection based) puts application data in to segments:
    - Implements handshaking
    - Checksums
    - Data integrity (e.g., Re-transmission of dropped packets)
- Network layer provides message routing, puts segments in to packets:
    - Routing tables etc
    - Knows which il mattos are connected to other ones
- Link layer deals with the connection and puts packets in to frames:
    - Data arriving in the correct order
    - Do we need to split in to LLC and MAC?
    - Acknowledged (similar to WiFi)
- Physical layer – just worries about the transmission of the data across the medium (mostly working already)

What we need to do:

- Choose what layers we need
- Decide functionality of each of our layers (and agree with team B2)
- Divide up the layers between us
- Decide on function prototypes for the services each layer will offer
- Do the shit tonne of work we'll then have.
- Win all the marks