CSE326 LAB4

GETTING WI-FI MODULE WORK ON MINI2440

- Download linux-2.6.32.2-mini2440_20100609.tgz
- Download VT6656_linux_src_v1.20.03_x86.rar
- Extract linux-2.6.32.2-mini2440_20100609.tgz
- cd to linux directory
- copy config_mini2440_a70 to .config
- Do
  - make oldconfig & & make prepare & & make modules_prepare
- cd back to where VT6656_linux_src_v1.20.03_x86.rar is located.
- Extract VT6656_linux_src_v1.20.03_x86.rar
- cd to VT6656_linux_src_v1.20.03_x86/driver
- make -C /path/to/source/of/linux-2.6.32.2 M=`pwd`modules
- Once the kernel module vntwusb.ko is built, copy it to a USB stick.
- Copy the kernel module to /home/cse326 of mini2440.
- Do
  - insmod vntwusb.ko
- Attach the antenna to VT6656. Plug it in.
- Do
  - ifconfig
- See if eth1 is the right network interface.
- Do
  - ifconfig eth1 up
  - iwlist scanning --------------------------->to get the access-points in range
  - iwconfig
  - iwconfig eth1 key ******** ------------------> put the key here
  - iwconfig eth1 essid "CSE-Yeditepe"
  - ifconfig eth1 xxx.xxx.xxx.xxx netmask 255.255.255.0
- Find out the IP address of the gateway
- Do
  - route add default gw xxx.xxx.xxx.xxx --------------------> gateway address
- Don't forget to set the name server (check /etc/resolv.conf)
- Do
  - ping www.yahoo.com
- and try out Konqueror.