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Title: Packet Sniffer

Description: A packet sniffer application using Java and having a GUI that can capture and analyze packets being transmitted and received over a network. The captured packets can be used to gain information about the type and content of messages being transmitted over the network.

Platform/Environment: Java and Java Swing for creating the GUI desktop application

Programming Languages:

Language	Sunil Bn	Nehal Kamat	Apoorva Bapat
Java	Expert	Expert	Expert
Javascript	Intermediate	Intermediate	Intermediate
HTML	Expert	Expert	Expert
CSS	Intermediate	Intermediate	Intermediate

Functionality:

- capture network packets and analyse data received and send from the network
- find out source id and destination id of packets being transmitted
- analyze traffic stats (such as number of bytes sent over a period of time)
- analyze different packet transmission protocols such as TCP, UDP, TelNet
- useful in detection of intruders and anomalies in the network

Stretch Functionality:

- possible integration of keylogging capability into application