

Evaluation Criteria for Assignment 3 on Network Layer

Task	Marks
Creating a test topology <ul style="list-style-type: none"> - Bring a sketch (hard-copy) of the topology during evaluation - Do Not Copy 	10%
Proper submission + Running the assignment successfully <ul style="list-style-type: none"> - Denied for any kind of late submission, wrong submission. - Denied if any kind of compilation error. 	10%
Router functionalities <ul style="list-style-type: none"> - Initialization - Clear - Update 	10%
Implementation of DVR (with and without split horizon, forced update)	15%
Client functionalities <ul style="list-style-type: none"> - Communication with server - Synchronization with server - Find average drop rate and hop counts for 100 random packets sent over the networks 	25%
Display routing details for a particular packet <ul style="list-style-type: none"> - Routing table of each router (updated routing table if DVR is applied from the 'current router' during the transmission) - Routing path (If dropped, show "DROPPED" after the corresponding router where the packet was dropped.) <u>Examples:</u> if successful, Source: 2 ; Dest: 5 ; Route: 2->1->7->8->5 if failed, Source: 1 ; Dest: 9 ; Route: 1->3->7[DROPPED] <ul style="list-style-type: none"> - Hop count 	10%
Report + Overall Understanding <ul style="list-style-type: none"> - Understand the given template - Report must be generated using the given topology - Assignment will be evaluated using your own topology - Understand the basic of DVR, Why forced update and horizontal split is used and the limitations of DVR - Cover the basics 	20%
Total	100%