Lab Report for Mission 1 and Mission2

You should consider this report as a technical document to your peers and sub-ordinates; and a progress report to your supervisor.

In this document, you should

1. describe the technical background information of your office network so that people outside your team, says an auditor, can easily understand your network infrastructure:
    - Network diagram and host name of your network nodes
    - IP address of each network interface at each node: Servers, Firewall, Router, upstream ISP.
    - Port connection information and VLAN partition of your switch

2. briefly describe your network architecture:
    - Two layer firewall architecture: Internet, DMZ, Internal private network

3. explain the settings of your network according to the above background information:
    - Configuration of your Linux hosts: IP, netmask, default gateway, route table … etc.
    - Configuration of your switch: VLAN setting
    - Configuration of your router: VLAN and routing setting
    - Try to explain the meaning of each commands and setting you had used

    You may quote some references to support your explanations. You may dump the full running configurations of your switch and router in your report appendix.

4. describe the procedures to configure the above settings, including your testing and debugging procedures:
    - Which node configure first?
    - The steps to set up these nodes and their sequences
    - The methods to test and debug your settings

5. write an executive summary to report what you have done so far to your supervisor: what you have achieved so far and any difficulties you encountered.