**Final Skills Assessment**

Your name: Nguyen Dinh Nhat Minh

Your student ID: 103802490

**Requirement 1:** Configure device names on all switches and routers

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| Router Fred  En  !  Conf t  !  Hostname Fred  !  End  Switch Wilma  En  !  Conf t  !  Hostname Wilma  !  End  Switch Pebbles  En  !  Conf t  !  Hostname Pebbles  !  End |

**Requirement 2:** Configure a Message of the day on all devices (add student ID within MOTD)

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| --- |
| Router Fred  En  !  Conf t  !  Banner motd + ID: 103802490 Router Fred  +  !  End  Router Wilma  En  !  Conf t  !  Banner motd + ID: 103802490 Switch Wilma  +  !  End  Switch Pebbles  En  !  Conf t  !  Banner motd + ID: 103802490 Switch Wilma  +  !  End |

**Requirement 3:** Links between Pebbles and Wilma must be configured as redundant trunk links

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| --- |
| Wilma  En  !  Conf t  !  Interface range g1/0/5 - g1/0/6  Switchport mode trunk  switchport trunk allowed vlan 20,120,500  !  End  Pebbles  En  !  Conf t  !  Interface range g1/0/5 - g1/0/6  Switchport mode trunk  switchport trunk allowed vlan 20,120,500  !  end |

**Requirement 4:** Router-on-a-stick Fred

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| --- |
| Router  En  !  conf t  !  interface g0/0/1  no shutdown  ex  !  interface g0/0/1.20  desc sub-interface for People  encapsulation dot1Q 20  no shutdown  ex  !  interface g0/0/1.120  desc sub-interface for Dinosaurs  encapsulation dot1Q 120  no shutdown  ex  !  interface g0/0/1.500  desc sub-interface for Management  encapsulation dot1Q 500  no shutdown  ex  !  end |

**Requirement 5:** Fred’s sub-interfaces IP

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| --- |
| Router  En  !  conf t  !  interface g0/0/1.20  ip address 203.34.175.65 255.255.255.192  ex  !  interface g0/0/1.120  ip address 103.20.248.1 255.255.240.0  ex  !  interface g0/0/1.500  ip address 193.35.200.17 255.255.254.0  ex  !  end |

**Requirement 6:** Fred loopback interface

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| --- |
| Router  En  !  Conf t  !  Interface lo0  desc Fred Loopback  ip address 105.60.90.81 255.255.224.0  ex  !  end |

**Requirement 7:** Pebble’s port Gi1/0/11-24 and Gi1/1/1-4 must be disable

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| --- |
| Pebble  En  !  Conf t  !  Interface range Gi1/0/11-24  Shutdown  Interface range Gi1/1/1-4  Shutdown  !  end |

**Requirement 8:** Pebbles port Gi1/0/1-4 must be access port associated with People VLAN and have port security

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| --- |
| Pebble  En  !  Conf t  !  Interface range Gi1/0/1-4  no shutdown  Switchport mode access  Switchport access vlan 20  Switchport port-security  !  end |

**Requirement 9:** Pebbles port Gi1/0/1-10 must be access port associated with Dinosaur VLAN and have port security

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| --- |
| Pebble  En  !  Conf t  !  Interface range Gi1/0/7-10  no shutdown  Switchport mode access  Switchport access vlan 120  !  end |

**Requirement 10:** Management IP on switches

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| --- |
| Wilma  En  !  Conf t  !  Interface vlan 500  Ip address 193.200.16.18 255.255.255.240  No shutdown  !  end  Pebbles  En  !  Conf t  !  Interface vlan 500  Ip address 193.200.16.19 255.255.255.240  No shutdown  !  end |

**Requirement 11:** Wilma as STP Root bridge Management and People

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| --- |
| Wilma  En  !  Conf t  !  spanning-tree vlan 20,500 root primary  !  end |

**Requirement 12:** Pebbles as STP rootbrige Dinosaur

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| --- |
| Pebbles  En  !  Conf t  !  !  spanning-tree vlan 120 root primary  !  end |