Assignment 1 Guidance

Task 1 – PowerPoint (P1 – P2 – P3 – P4)

1. Identify the purpose and types of DNS, including explanations on how domain names are organised and managed. (P1)
2. Explain the purpose of: (P2)
   - Communication protocols
   - Server hardware
   - Operating systems
   - Web server software
   - Explain the relationship between technologies above with regards to designing, publishing and accessing a website.
3. Discuss the capabilities and relationships between front-end and back-end website technologies (P3)
   - Explain how these relate to presentation and application layers. (P3)
4. A review of different website technologies supported with the tools and software used to develop websites (P4)
   - Front End technologies
   - Back End technologies
   - Databases
   - IDEs
   - CMS
   - Website Builders

Task 2 – Guidebook/ Report (P1 – P2 – P3 – P4 – M1 – M2 – M3)

5. Provide a summary of the presentation (P1 – P2 – P3 – P4)
6. Evaluate or critically review technical notes on all of the expected topics (M1 – M2 – M3)

PowerPoint Structure

1. Server technologies and management services

1.1 Identify the purpose and types of DNS
1.2 How domain names are organised and managed
1.3 Explain the purpose of Communication protocols
1.4 Explain the purpose of Server hardware
1.5 Explain the purpose of Operating systems
1.6 Explain the purpose of Web server software
1.7 Explain the relationship between technologies above with regards to designing, publishing and accessing a website.

2. Website technologies, tools and software

2.1 The capabilities and relationships between front-end and back-end website technologies
2.2 Explain how these relate to presentation and application layers
2.3 Review Front End technologies
2.4 Review Back End technologies
2.5 Review Databases
2.6 Review IDEs
2.7 Review CMS
2.8 Review Website Builders

Guidebook Structure

1 Server technologies and management services

- Identify the purpose and types of DNS
- How domain names are organised and managed
- Explain the purpose of Communication protocols
- Explain the purpose of Server hardware
- Explain the purpose of Operating systems
- Explain the purpose of Web server software
- Explain the relationship between technologies above with regards to designing, publishing and accessing a website.
- Evaluate technical notes on all of the topics above

2. Website technologies, tools and software

- The capabilities and relationships between front-end and back-end website technologies
- Explain how these relate to presentation and application layers
- Review Front End technologies
- Review Back End technologies
- Review Databases
- Review IDEs
- Review CMS
- Review Website Builders
- Evaluate technical notes on all of the topics above