

Asia Pacific Institute of Information Technology
Operating Systems
Research Project

Intakes : EFREI-SEP-NOV-2009
Date Assigned : 28-Sep-2009
Date Due : 09-Nov-2009
Lecturer : Dhasan Padmakumar

Statement of the Case study

You are required to investigate, install, analyse and document features of a specific Operating System. You are required to document the results of your individual work in a professional and systematic manner, in the form of a computerised report.

Stages of the project

- 1) Research and Investigation
- 2) Installation
- 3) Analysis
- 4) Presentation

Choices of Operating Systems

Please select only one of the following:-

- 1) LINUX
- 2) Windows (acceptable versions are 95, 98, 2000, XP or Vista)
- 3) UNIX
- 4) Any other operating system (subject to approval from your lecturer)

Research and Investigation

- 1) Introduction to the Operating System
- 2) System software requirements for chosen operating system. E.g. kernels, shells, X Windows GUI and any other application software requirements.
- 3) System hardware requirements for the chosen operating system. E.g. CPU, memory and hard disk space.

- 4) Investigate and compare the Memory Management with another Operating System.

Phases

- 1) Introduction to the selected Operating System
- 2) Process Control Management
- 3) Deadlock Management
- 4) Memory Management
- 5) Secondary Disk Scheduling Management

Guidelines for the Report

Your completed document should meet the following requirements:

- 1) Table of Contents for every detailed chapter/section.
- 2) Gantt chart for the case study.
- 3) Main Document (structured into chapters/sections with an introduction, chapter-1, ... , and conclusion)
- 4) Limitations/Extensions to the case study.
- 5) Appendices (Data Charts, Screen Captures)
- 6) Task sheet
- 7) References
- 8) Word Limit - Around 4000 – 5000 words

You are required to print the table below on the cover sheet of the documentation

No	Student Name	Research and Investigation (30)	Installation(20)	Documentation (10)	Referencing (10)	Analysis (15)	Presentation (15)	Total (100)
1								

Assessment Criteria:

Research and Investigation	30%
Installation	20%
Documentation	10%
Referencing	10%
Analysis	15%
Presentation	15%

Marking Criteria:

Distinction

Demonstrated comprehensive research with detailed evidence. No errors were encountered with regards to the installation of the operating system on the computer. High level of analysis performed, exceptional and thorough knowledge and understanding displayed with regard to facilities and services of the operating system. Documentation presented in a professional manner, without any spelling or grammar mistakes. Excellent communication and presentation skills displayed along with good language proficiency. Questions posed during the presentation were answered well with the ability to relate the answers to analysis and research performed.

Credit

Adequate research conducted with fair detail of evidence presented. Minor errors were encountered with regards to the installation of the operating system on the computer. Moderate level of understanding and knowledge displayed with regard to facilities and services of the operating system. Good level of documentation presented. Language proficiency, presentation skills and communication skills were good. Questions posed were answered fairly well.

Pass

Low level research conducted. Some evidence of research displayed. Errors were encountered with regard to the installation of the operating system on the computer. Basic level of understanding and analysis displayed with regards to the operating systems facilities and services. Satisfactory level of documentation. Satisfactory level of presentation and communication skills. Questions posed were answered with minor errors.

Please Note

- 1) All submissions (Documentation – hard copy) should be made on or before the due date. This should also include a softcopy of your report in the form of a CD or floppy diskette.
- 2) Any late submissions after the deadline will not be entertained. A zero (0) mark will be awarded for late submission, unless extenuating circumstances are upheld.
- 3) Plagiarism is a serious offence and will automatically be awarded zero (0) mark.