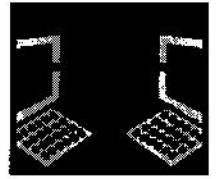




Proposal Due: 16/11/05
 Proposal Approved: 18/11/05
 Final Project E-book due: 2/12/05



GCE Unit 4 Project Proposal

My Scenario

Describe your scenario for the Unit 4 System Design and Installation project e-book.

The name of the company is **Pipeline Software Development**. It has just been established by three friends who have recently graduated from university together. All three of them are software engineers and are dedicated to write great software that is able to be edited and upgraded easily and effectively.

They are truly professional in what they do. However, at the moment they are too busy approaching organisations and other contacts with their ideas for development projects to design and build their development workstations themselves. So they have designated this to be outsourced and have chosen me to do this for them.

All of them are incredibly knowledgeable of ICT and each of them are specialised in different aspects of software development.

Ryan Townsend is a Java specialist; he requires a reasonably powerful system. He also is a keen writer and has a blog on the Internet that is updated weekly. He also will be writing the documentation for all the company's products. He prefers to use LINUX when working with Java but prefers using Windows® for word-processing and updating his blog. He would appreciate a dual-boot system if possible if the budget isn't too constraining.

Joshua Nightingale is a LINUX/UNIX specialist; he is currently working on the further development of the latest RedHat open source operating system release: Fedora Core 4. He is developing the x86_64 architecture so requires a 64-bit processor. He also needs an Internet connection to collaborate with the other developers currently working with him.

John Kern is a C/C++ specialist; he requires a relatively fast system. He needs a LINUX system so he can use KDE and GCC to compile his coding. He would also like a version of Windows® installed because he is slightly interested in improving his WINDOWS®/.NET development skills. However he is not too bothered about not having it, if the budget won't stretch that far, working with LINUX is his top choice.

They have one office in south-west London that they have just started renting, and still haven't purchased any furniture, so they have also asked me to buy that also—bearing in mind that they will be spending at least 32 hours a week on their workstations, good ergonomics is a must. The office is quite small (5m x 4m) it is air conditioned and already has a BT phone line installed.

Security is a big issue, seeing as they will be working on the software of the future. They would also like me to come up with some security suggestions. They require a secure internet connection, to stop hackers from stealing their work. They would also like me to come up with an easy and fast method for backing up their hard disk drives.

They have given me a budget of **£7,500**. This money is part of a grant given to them by the Prince's Trust so it needs to be spent wisely.

Target grade = A/B

- Ambitious
 - Appropriate ✓