According to Teach Computer Science (n.d.), ethics are a structure of standards and practices that influence how people lead their lives.  It is not strictly implemented to follow these ethics, but it is basically for the benefit of everyone that we do. Ethics are unlike laws that legally mandate what is right or wrong.  Ethics illustrate society’s views about what is right and what is wrong. Computer ethics are a set of moral standards that govern the use of computers.  It is society’s views about the use of computers, both hardware and software.  Privacy concerns, intellectual property rights and effects on the society are some of the common issues of computer ethics.

One of the important aspects of computer ethic is privacy concern.

In book trading system, we should prevent access to user’s data upon account deletion. Information about a user should be locked down when an account is deleted. It should not be used in aggregate statistics or data.

According to Crocetti, P., Peterson, S., Hefner, K., (n.d.), data protection is the process of safeguarding important information from corruption, compromise or loss. The importance of data protection increases as the amount of data created and stored continues to grow at unprecedented rates. There is also little tolerance for downtime that can make it impossible to access important information. People will be recommended to avoid using public wi-fi when using book trading system. People also can use firewall to prevent hacking when use the book trading system. People can also add another layer of security when using book trading system. In addition to using email and text codes to verify your identity, you can also use authentication apps, such as [Authy](https://authy.com/" \t "_blank) or[Google Authenticator](https://support.google.com/accounts/answer/1066447?hl=en), which are specifically designed to provide you a code at login once you’ve enabled two-factor authentication within the settings of the online account you’re trying to protect. Anonymity – is a way of keeping a user’s identity masked through various applications. For example, in book trading system, user can use a create an account by using a nickname. People do not know your real name will prevent you to be in trouble when people want to hurt you physically or mentally.

Another important aspect intellectual Property Rights. According to Teach Computer Science(n.d.), copyright – is a form of intellectual property that gives proprietary publication, distribution and usage rights for the author. This means that whatever idea the author created cannot be employed or disseminated by anyone else without the permission of the author. For example, in book trading system, people cannot scan the barcode of books into pdf file then sell to everybody in the website. In Malaysia, the reproduction in any material form is violating Copyright Act 1987. This include copy the idea of other people for the business purpose.

According to Teach Computer Science(n.d.), plagiarism – is an act of copying and publishing another person’s work without proper citation. It’s like stealing someone else’s work and releasing it as your own work. We need to give credit to the author that post the work if we want to cite his or her work. For example, a people will be considered to do the plagiarism if copy the text from the internet and publishing it by using his own name. So, in order to avoid this, in book trading system, people that publish book should ensure their books should be using their own words. They must do the in-text-citation and write the reference if they are citing other people words.

There are some effects on society when many books retailer sells the book online. Some jobs have been abolished while some jobs have become simpler as computers have taken over companies and businesses.

For example, the sales of book store will be affected when the online selling of book become trending. Many books retailer may become jobless if people tend to buy the book online rather than buying the book in the market.

According to Teach Computer Science(n.d.), there are also ethical concerns on health and safety of employees getting sick from constant sitting, staring at computer screens and typing on the keyboard or clicking on the mouse. Environmental Impact – Environment has been affected by computers and the internet since so much time spent using computers increases energy usage which in turn increases the emission of greenhouse gases. There are ways where we can save energy like limiting computer time and turning off the computer or putting on sleep mode when not in use.  Buying energy efficient computers with Energy Star label can also help save the environment.

According to Teach Computer Science(n.d.), Computers and the internet help people stay in touch with family and friends. Social media has been very popular nowadays. After book trading system developed, people in the family member will learn the computer skill among each other and foster the relationship among the family member. For example, father that want to buy the book will ask his son or daughter how to buy the book online and they will have more interaction. However, Development of book trading system also leads to negative effects. Negative effects are people the read the book online in the long term will lead to sore eye or eye problem. There are some health problem when people sit in front of computer for the long time.

Reference

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