

Assignment 6

Chapter 17

1. Here are some issues that you may have noticed in the news, each of which involves the intertwining of technology and human values:

1. Personal privacy when surfing the Web.
2. Remixing pictures or videos found on the Web to create art.
3. Computing for the disabled

a. Practice creating analogies--Pick three topics from the list shown. For each topic, think of an analogous situation that does not involve computing. Make a short list of how each analogy is like the topic and how the analogy is different from the topic.

1. Personal privacy when surfing the web is like going out for a drive.

Similarities:

- People could follow where you're going and where you've been. Sites can track you and share information with each other to determine you're online surfing habits
- Some publicly available information about you could be used maliciously. Someone could copy your license plate and rack up parking tickets, which is similar to someone making a fake account of you and pretending to be you for malicious purposes.
- You have some personal responsibility to keep yourself safe. If you operate a car without learning how to drive first, disaster could occur. The same idea is with surfing the web. Some online scamming techniques seem trivial to most Web users, but the techniques are still employed because people still use the web without a proper understanding of privacy/safety.

Differences:

- The main risk while driving is getting in an accident as opposed to having information stolen.
- You need a license to drive as opposed to needing nothing for a computer.
- There are ways to hide your online usage but its fairly hard to hide driving a car.

2. Remixing pictures or videos found on the Web to create art is like renovating a house.

Similarities

- The previous owners may have built the house but you added on additions that change the overall layout/structure making it different from the original.
- Even subtle changes can greatly effect appearance. For example, editing a video out of context so the scene means something else is similar to changing the paint.
- The change of the house/art is personal preference.

Differences

- You have to actually own the house to modify it unlike with digital art.
- It's somewhat difficult to steal or make an illegal copy of a house to modify it
- Houses are physical while art is intellectual property

3. Computing for the disabled is like being a translator.

Similarities

- tasked with making everything understandable and accessible for everyone.
- There are many different languages/disabilities that need to be translated/made accessible
- Involves changing certain phrases/actions that may not translate well to another language or person.

Differences

- Companies and websites aren't expected to accommodate every language.
- Language is somewhat geographically based while disabilities are universal.
- Language is just a form of communication, while disabilities are physical, mental, and affect a variety of activities and abilities beyond just communication.

Stakeholders and their values for computing for the disabled.

- Society
 - A moral society
 - A functional society
- Disabled Persons.
 - Accessibility
 - Inclusion
- Web Developers - (Web Content Accessibility Guidelines)
 - Less work
 - Less complicated development
 - Easy ways to implement accessibility
- Business Owners.
 - Cheaper production
 - More customers
 - Public image

Duties and responsibilities

	Society	Disabled Persons	Web Developers	Business Owners
Society	A functioning and morel society that evolves.	Inclusion Dignity Respect	Internet capabilities	The ability to operate freely
Disabled Persons	Following laws are rules	Self respect Ingenuity	Information on how to make websites more accessible	Information on how to make buildings more accessible
Web Developers	Functioning websites that follow the law	Accessability Comprehensibility	Well structured protocols so that the web can evolve and develop smoothly.	Safe and accessible websites to advertise or operate business on.
Business Owners	Indiscriminate business Fair prices Safe and usable products	Structures that are handicap accessible Indiscriminate service	Proper payment for services.	Proper wages, Profits, Growth