

ADDIS ABABA INSTITUTE OF TECHNOLOGY

Department of Software Engineering

Fundamentals of Web Design and Development

Assignment 1

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1. Explain the history of evolution

The Internet, as we know it today, is a global network of billions of computer and electronic devices. These days it plays a huge role in our day to day lives, since it allows us to access any information and communicate with anyone in the world, that it almost seems like it’s always been here. But we should ask ourselves, how was it created and why? How did it come to be a global phenomenon?

It all started with the invention of the Arpanet for the purpose of serving the US military force during the cold war about 40 years ago. The US military force funded a research arm called Advanced Research Projects Agency (ARPA), who worked on a communication project which then led to the invention of Arpanet. Though it was meant for armed forces to communicate over a connected and distributed network at the time, as the years went by Arpanet expanded its connection to universities and other cities over satellites and eventually was renamed to ‘Internet’.

The internet became a global phenomenon thanks to two main creations which had a significant impact. These are the Internet’s Domain Name System and World Wide Web. The Internet Domain Name System was invented in 1984 to match complex IP addresses with easy to remember names ending in extensions such as .com, .org , .edu , .gov , .mil and country codes. The World Wide Web was invented by Tim Berners-Lee in 1990 as a method of publishing information in a hypertext format on the Internet. The Web began to take off in 1993, after computer science student Marc Andreessen created the first popular Web browser, known as Mosaic.