I. Organize Web Pages as a Network

The use of a network structure truly brings forth the globalizing power of the Web by allowing anyone authoring a Web page to highlight a relationship with any other existing page, anywhere in the world.

**Hypertext** (in blue underlined): to replace the traditional linear structure of text with a network structure, in which any portion of the text can link directly to any other part.

Hypertext is like citation, and can be displayed in **direct graph**:
II. Strongly Connected Graph

Reachability Properties: identifying which nodes are “reachable” from which others using paths.

A Strongly Connected Component (SCC) in a directed graph is a subset of the nodes such that:

a. every node in the subset has a path to every other;
b. the subset is not part of some larger set with the property that every node can reach every other;

III. WEB 2.0

Reading: https://www.cbsnews.com/news/what-is-web-20/
How Web 2.0 is different from Web 1.0? Watch this video: 
https://www.youtube.com/watch?v=NLjGopyXT_g

- What are the 8 key characteristics of Web 2.0?

- What are some major technologies of Web 2.0? Choose one of them and explain how it can be identified through Web 2.0’s characteristics.