**Christopher Morcom**

**CS 485**

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**Final Paper Outline**

**Topic: Software Piracy**

**Guidelines:**

*The paper must answer the following questions as sections of the paper.*

*1) What is the background/history of the topic? (4pts)*

*2) What has changed in society because of this topic? (4pts)*

*3) Has this change been good or bad for society? (4pts)*

*4) How will this topic look 10 years from now? (4pts)*

*5) What problems do you think will arise? (4pts)*

*6) What sources were used? (2pts)*

**Introduction:**

1. Background
   1. What is software piracy?
   2. How did it originate?
   3. How is software piracy relevant or used today?
   4. *Give an example (article)*

**Body:**

1. Evolution of software piracy with rise of computer developments
   1. Copying Digital Disks in the 1980s
   2. Limewire/Napster Example (Music Piracy)
   3. ThePirateBay/Megaupload FBI Cases
   4. Github & File Sharing Services (P2P, FTP, etc.)
2. Software piracy and legal issues
   1. Changes in law due to changes in software piracy
   2. Potential issues due to file sharing services
   3. US Digital Millennium Copyright Act
      1. Differences with other countries than the USA
   4. Future potential changes in law to prevent piracy
3. Engineering & development changes
   1. Preventative measures against software piracy by companies
      1. Convenience (spotify/Winrar tactic)
      2. Programming changes (see *Serious Sam/*impossible games examples)
   2. *How do changes in development affect software marketing?*
      1. Software licensing
      2. Non“crackable” programs
      3. Subscription-based software
   3. Future potential changes in software development to prevent piracy
4. Software Privacy and Cyber Security
   1. File monitoring (see DOJ Report on mandated system backdoors)
   2. Viruses in pirated software *(see Necurs Botnet)*
5. Future General Problems in Software Privacy and Developments
   1. Changes from current problems with piracy
   2. Future developments in how software piracy will look in later years
      1. Changing security exploits
      2. Changing Distribution systems

**Conclusion:**

1. General overview of software piracy topics discussed in the paper
   1. Summarize issues and solutions to some software piracy issues
   2. Summarize potential changes in the future
   3. *How software piracy will be relevant to* ***you*** *in the future*