



CSA 3190 – Internet Technologies and Java Server-Side

Course Assignment 2005-2006

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Report On P2P File Sharing Protocols.

Aim:	The aim of this assignment is to write a report describing in some detail a number of file sharing protocols used by first, second and third generation P2P systems.
Details:	<ol style="list-style-type: none">1. Study the properties of each generation of P2P systems (known as the first, second and third generations).<ol style="list-style-type: none">a. For example, Napster is a first generation P2P system whilst Gnutella is a second generation system.2. Give an overview of each of these generations.3. Describe the protocol design, topologies and implementation details of:<ol style="list-style-type: none">a. At least 1 protocol of a first generation P2P system.b. At least 2 protocols of a second generation P2P system.c. At least 2 protocols of a third generation P2P system.4. Conclude the report with an evaluation and critical analysis of all the protocols and techniques you mention.

Notes:

- Remember to attach the plagiarism declaration form just after the report's cover page.
- The report should not be longer than 30 pages (1.5 spaced, standard margins) but no less than about 15 pages.
- Use diagrams wherever possible in your explanation.
- Refer to the assignment instructions at <http://webster.cs.um.edu.mt/kguil/assignment.html>