Project: My Creative P2P Systems

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Spring 2013, Deadline: 1 week (proposal), December 1, 2013 (final)
ST: 6/759995 Foundations of Peer-to-Peer Computing
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1. Assignment-3.1: Project Proposal (1000 points)
The first step of your assignment is to prepare a project proposal with the following components:
   (a) A functional description of the project. Explain the motivation. Any related work. (100 points)
   (b) Architecture of the system. Identify the key program components. Identify the functional blocks. Describe the key algorithms and functionalities of each block. (300 points)
   (c) Identify the messaging protocol between network peers. Explain the protocol with sample messaging schemes. (100 points)
   (d) Identify a plan to evaluate the performance of the systems. List (define if needed) the performance indicators you will use to measure the goodness of your application. (200 points)
   (e) Provide an experiment plan to measure the performance. Explain the experiment setup. Indicate the type of data you will use. Show sample plots you are going to plot. (200 points).
   (f) Make a project implementation plan. Provide a timeline/schedule of completing all the above. (100 points).

Email the report with subject heading “P2P13: PROJECT PROPOSAL: name of the project” by the deadline.

   - Implement the project as per schedule.
   - Perform the experiment.
   - Update and submit the final report.
   - Submit the code.
   - Make a Demo.

Email the report and project code with subject heading “P2P13: PROJECT FINAL: name of the project” by the deadline.