

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 the prepare 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.

2. Assignment-3.2: Project Completion & Final Report (1000 points).

- 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.