

CS4390 U16 Project - Overview

The possible project topics are:

1. Socket Programming: HTTP Web Proxy Server – This is a project assignment for a 2 person team
2. Socket Programming: Video Streaming with RTSP and RTP – This is a project assignment for a 3 person team
3. Socket Programming: UDP – This is a one person project assignment

Except for topic 3, each project assignment consists of a hands-on coding part and a research paper part.

Refer to the assignment descriptions for details on the topics.

Definition of team members and assignment to topics

If you have preferences regarding the topics and team members, you will have a chance to give your input by responding to a survey. However there is no guarantee that you get what you prefer. We will take your preferences into account as much as possible, but we may need to reassign students among teams to balance the assignments to teams. Similarly, we may need reassign you to a different topic (hands-on topic and/or research topic) to balance the assignments to topics.

Important: You can submit your survey response only once. So make sure you know your topic preferences and team mates preferences, if any, before you respond to the survey. If you plan to team up with other students, please talk to them first, to agree on the topic preference rankings. In the survey, you will be able to list the names of your preferred team mate(s), so only one student should respond to the survey on behalf of the other proposed team mates.

Timeline

1. A survey will be posted or emailed to you on June 9 and you must respond by June 16 with your preferred coding and research topic and teammates, if any. If you have no preference, that is OK too, but you still respond to the survey.
2. The team definitions and assignments to topics are finalized and communicated to you by June 18.
3. Each team submits an action plan by June 25 (Date D1)
4. Proposed outline of research paper due by June 30 (Date D2)
5. Outline approved by July 5
6. Final reports (team and individual) due by July 26 (Date D3)