Project 3
U-Pick – A Project of Your Own Design

Proposal Due: Nov 11th
Project Due: Dec 2nd
Presentation: Dec 2nd

Overview
- Choose your own project
- Emphasis can vary
  - New code
  - Modify code
  - Use tools
  - Empirical
  - Evaluation
  - Use simulation
- All require a report
- All require a presentation

Proposal
- Due in about 1 week
- Outline work in project
- Brief description of tasks, tools, setups …
- Timeline
- Grading guide (from your point of view)
  - Note, presentation will be 10% of your grade
- Summary of what you will learn

Project
- Large multimedia networking effort from scratch
  - Ala proj1 and proj2
  - Could have significant coding component
- Modifications to existing program
  - Such as enhance proj2 (repair, buffering, mcast)
- Do proj2 with video
- User study
  - Repeat experiments, propose new ones
  - Should contain _some_ systems level coding/scripting
- Characterization
  - Web or Video or Audio
- Study existing tools
  - RealPlayer, MediaPlayer, Skype …
- Additional, extensive evaluations of projects
  - Ala proj1b and proj2b
- Mini-RLM, Nutella (see Web page)

Report
- Abstract
- Intro (including motivation, hypotheses)
- Background
- Design
- Results and Analysis
- Conclusions
  - Summary of take-away
  - Plus what you learned
- Revised grading guide

Hints
- Only as “large” as proj1 and proj2
  - Don’t think too big
- Worth as many points as proj1 plus proj1b
  - Extra effort in the design of the project
- Run new ideas by me by email or in person before proposal
- May be done in a group (but will need to be slightly larger, say 1.5x for 2 person group)
- Get started early!
- See “how to give a talk” (in two weeks)