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

Proposal Due: Apr 8th (earlier ok)
Project Due: Apr 24th

Overview

• Choose your own project
• Emphasis can vary
  – New code
  – Modify code
  – Use tools
  – Empirical
  – Evaluation
  – Use simulation
• All require a report

Proposal

• Due in about 1 week
• Outline work in project
• Brief description of tasks, tools, setups …
• Timeline
• Grading guide (from your point of view)
• 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

Report

• Intro
• Background
• Design
• Results and Analysis
• Summary
  – Plus what you learned
• 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)
• Get started early!