



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!

