CS15-319 / 15-619
Cloud Computing

Recitation 12
April 9\textsuperscript{nd}, 2013
Announcements

• Open up S3 location of hand ins:
  – Give access to your S3 bucket to:
    • public
    • onlinecloudcomputingcourse@gmail.com
  – You could lose credit or be penalized otherwise
  – See Piazza Post on how to open up your handin directory

• Encounter a general bug:
  – Post on Piazza

• Encounter a grading bug:
  – Post Privately on Piazza

• Post feedback on OLI
Project 3 Student Progress

• Part 4: Amazon DynamoDB
  – 95% Students completed
  – Average score is 90% (for completed checkpoints)
Can we use DynamoDB with the Songs Dataset?

• Yes, but it will not be efficient
  – It is fine for retrieval of individual tracks by track_id
• But it will be very slow for queries on fields
  – “Get me all tracks by Michael Jackson from the 80’s”
    • This requires a DynamoDB scan – very inefficient
    • DynamoDB scans will only return 1MB of data at a time
New Unit, New Module

- Unit 5 – Distributed Programming and Analytics Engines for the Cloud
  - Introduction to Distributed Programming for the Cloud
    - Introduction
    - Taxonomy of Programs
    - Tasks and Jobs in Distributed Programs
    - Motivations for Distributed Programming
    - Models for Distributed Programming
    - Main Challenges in Building Cloud Programs
Project 4

• Project 4, Part a
  – MapReduce
    • Apache Hadoop MapReduce
    • MapReduce Programming Examples
    • Writing your own MapReduce applications
  – Project 4, Part b Survey
    • Self-defined project
      – Data set
      – Algorithm
      – Team
Discussions

• Your questions...
# Upcoming Deadlines

## Unit 5:

- **Module 18: Introduction to Distributed Programming for the Cloud**
  - **Checkpoint Available Now**
  - **Due 4/14/13 11:59 PM**

## Project 4

- **Module 29: MapReduce**
  - **Hadoop MapReduce**
    - **Checkpoint Available Now**
    - **Due 4/14/13 11:59 PM**

- **Module 30: Project 4 Survey**
  - **Project Survey**
    - **Checkpoint Available Now**
    - **Due 4/14/13 11:59 PM**