

Project Introduction, Exam 1 Review

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Outline

- Project Introduction
- Sample Lightning Talks
- Exam Review



Project Introduction

- See Project Description
 - Linked from Schedule
 - Linked from Angel:
 - Materials --> Project Information



Project Highlights

- ❑ Team Composition: about 3 members
- ❑ Project Selection: lightning talks
- ❑ Project Complexity: at least 6 related tables
- ❑ Data Import: required, with updates
- ❑ User Interface: required, but secondary



Project Deliverables (1/3)

- This week:
 - Lightning talk slide
- End of 5th week:
 - Initial problem statement
 - ER diagram
- End of 6th week:
 - Relation schemas
 - Security and data integrity analysis



Project Deliverables (2/3)

- During 7th week:
 - Front-end prototype demo
- End of 8th week:
 - Sample reports
- End of 9th week:
 - Updated sample reports
 - Final problem statement



Project Deliverables (3/3)

- During 10th week:
 - Final presentation (in class)
 - Program demo (outside class)
- End of 10th week:
 - Final written report
 - XML schema
 - Peer evals
- Optional (for extra-credit):
 - Finals week presentation



Lightning Talks

- See instructions linked from Schedule/Angel
- Goals:
 - Give clear sense of problem
 - Attract other participants
- One slide, with:
 - Your name – Project name – Problem domain
- Say:
 - Why a DB project – data source – challenge



Sample Lightning Talks

- Ideas borrowed from previous projects

SuperBook

- By Jim Bumpus
- FaceBook for superheroes and supervillains!



Where Do You Want to Go For Dinner?



- ◆ By Curt Barnard, Eliza Brock, Richard Ma, Keith Marcum, Trent Monacell
- ◆ A tool for helping friends decide where to go for dinner or other social outings



Your Lightning Talk Slide

- Due Friday to Angel Drop Box



Exam 1 Review

- See instructions posted to Angel
- Topics from:
 - Quizzes
 - Homework
 - Labs



Possible Exam Topics

- DB Stakeholders
- ER Diagrams
 - Designing
 - Reading
 - Converting to relation schemas
 - Constraints
 - Weak-entity sets
- Primary Keys
- Foreign Keys
- Relational Algebra Queries
- SQL Queries
- Enforcing constraints
 - Reject
 - Cascade
 - Set null