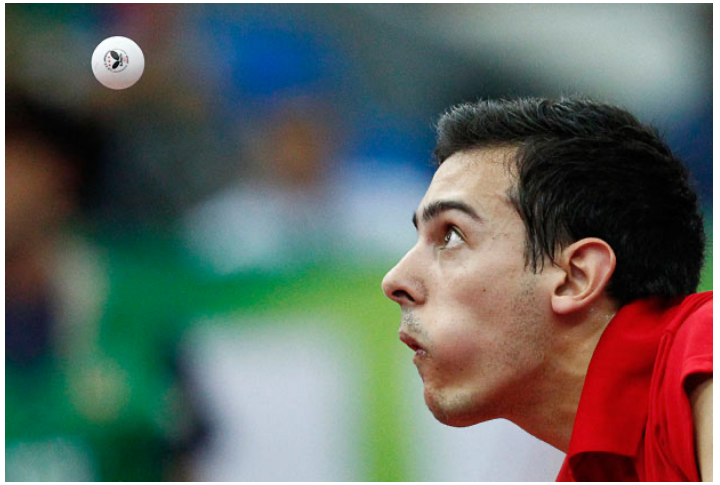
Lecture 10
Exam Review



Telegraph.co.uk

Com S/SE 409/509

Robyn Lutz

rlutz@iastate.edu

Robyn's Office Hours: **Tues & Thurs, 9:30-10:45**
Wandi's Office Hours: **Mon 10 am**. & **Wed 7 pm**
Olukorede's Office Hours--**Wed 10**

Exam 1, Sept. 24

Exam info

- This Thursday, Sept. 24
- 2-hour exam
- Available on Gradescope at 9 a.m. Thurs
- Complete within a 2-hour window
- Submit in Gradescope by 9 p.m. Thurs
- Homework X practiced scan & upload
- Details/edits/corrections will be posted, so . . .

READ CANVAS ANNOUNCEMENTS

Academic honesty

While taking the exam YOU MAY:

- consult your notes and the lecture notes
- consult the textbook and the online class lectures
- contact the instructor or TAs with questions about the exam (no guarantee that we'll be able to answer within 2 hrs)

While taking the exam YOU MAY NOT:

- post questions or any information about the exam publicly
- discuss the exam with anyone except the instructor and TAs
- work with anyone else

See the Syllabus for information on penalties & links to the ISU Academic Misconduct Policy

What's on the exam?

Some candidates:

- Context diagram
- Event list
- Product Use Case diagram
- Scenarios
- Functional requirements specified using EARS templates
- Nonfunctional requirements in 8 categories
- Traceability (2-way mappings) among above
- Requirements discovery, analysis & communication techniques
- (509 only) Familiarity with Jackson & Zave, Van Lamsweerde frameworks, in context of HW1 & HW2

Studying, prioritized

1. Homeworks 1 & 2: be able to do problems like these for a new system
2. Lectures 1-10
   Videos & lecture notes posted
3. Supplemental material not in textbook, especially EARS (Lecture 6)
   I've posted an EARS tutorial; however, it shouldn't be needed if you understood Lecture 6 & did Problem 3 on Homework 2
4. Be familiar with the "shared systems" IceBreaker and EverGreen
5. Textbook, Chaps. 1-11
   Robertson & Robertson, Mastering the Requirements Process, 3rd ed. E-book access in Canvas; hardcopy on Reserve at the ISU Library
6. Old Exam: key from last year's is posted
   It was given later in the semester so covers a few topics (like state models) that we haven't

Textbook: Chaps. 1-11

- Focus on topics covered & on “check your understanding” notes in the lectures
- Focus on topics covered in homework, mostly Chaps. 3-6, 10-11
- Topics covered from other chapters:
  - Chap. 7: brown-cow model & personas
  - Chap. 8: adjacent systems
  - Chap. 9: requirements engineers also called business analysts

Mapping lectures to chapters

1. Intro & course organization (Chap. 1)
2. Scoping the project using context diagram (Chap. 3)
3. Use cases (Chap. 4)
4. Scenarios (Chap. 6)
5. Functional requirements (Chap. 10)
6. EARS (Easy Approach to Requirements Syntax) – not in book
7. Nonfunctional requirements (Chap. 11)
8. Communicating w/ stakeholders to get requirements right (Chap. 5)
9. Prototyping (Chap. 5 & supplemental info)
10. This review

homeguides.sfgate.com