2/5/2016 List

Introduction

(Tue Sep 03, 2013 10:10 AM)

Read Head First ch. 1

Collaboration Exercises

(Thu Sep 05, 2013 10:10 AM)

Divide into groups of 4 students. If necessary there can be groups of 5, but no 1, 2 or 3.

Each student needs 4 sheets of paper.



Collaboration Exercise.ppt

More Collaboration Exercises

(Tue Sep 10, 2013 10:10 AM)

Divide into groups of 4 students.

Each student needs 4 sheets of paper.



Collaboration Exercise.ppt

Requirements

(Thu Sep 12, 2013 10:10 AM)

Read Head First ch. 2

Pair Programming

(Fri Sep 17, 2010 10:10 AM)

Read All I really need to know about pair programming I learned in kindergarten



All I really need to know about pair programming I learned in kindergarten

http://puttingtheteaintoteam.blogspot.com/2009/10/pair-programming-interviewsauditions.html

http://www.codinghorror.com/blog/2006/05/the-ten-commandments-of-egoless-programming.html

Software Process

(Thu Sep 19, 2013 10:10 AM)

Read Head First ch. 3

Read Managing the Development of Large Software Systems

Managing the Development of Large Software Systems

http://www.extremeprogramming.org/

http://www.agile-process.org/

Project Planning

(Tue Sep 24, 2013 12:00 AM)

Read Head First ch. 4

2/5/2016 List

More Project Planning

(Thu Sep 26, 2013 10:10 AM)

Read Use Case Examples -- Effective Samples and Tips

Use Case Examples -- Effective Samples and Tips

Scrum - guest lecture by Andrew Clark Ingraham

(Tue Oct 01, 2013 10:10 AM)

Every team should bring its user story index cards to class today, they will be needed for an exercise.

Individual Assignment 2 due today. Its a short pre-survey about familiarity with testing techniques. An individual link will be sent by email to every student after the project proposals have been submitted.

- Agile Manifesto
- Technical Debt
- Definition of Done
- Andrew Clark Ingraham's presentation on Scrum

Design

(Thu Oct 03, 2013 10:10 AM)

Read Head First ch. 5.

- CRC card images found by google
- CRC cards for XP
- **CRC Cards Tutorial**

UML

(Tue Oct 08, 2013 12:00 AM)

Read Head First app. i

- MG UML Resources
- google images class diagrams
- google images sequence diagrams
- google images state diagrams
- UML Tutorial

More UML

(Thu Oct 10, 2013 10:10 AM)

- UML Tutorial
- OMG UML Resources
- aoogle images class diagrams
- google images sequence diagrams
- google images state diagrams
- UML Diagrams Details and History

2/5/2016 List

Social Software Engineering - guest lecture by Swapneel Sheth

(Tue Oct 15, 2013 10:10 AM)



Coding Practices

(Thu Oct 17, 2013 10:10 AM)

Read Head First ch. 6-6.5





Midterm Exam

(Tue Oct 22, 2013 10:10 AM)

Read Head First ch 1-5 and app i.

Writing Secure Code

(Thu Oct 24, 2013 10:10 AM)

Read Top 10 Secure Coding Practices

Top 10 Secure Coding Practices

How to Write Completely Unreadable Code

Introduction to Testing

(Tue Oct 29, 2013 10:10 AM)

Read Head First ch. 7

More Testing

(Thu Oct 31, 2013 10:10 AM)

Read Head First ch. 8

Cohesion And Coupling

Strive for low coupling and high cohesion: What does that even mean?

Equivalence Partitions and Boundary Analysis

(Thu Nov 07, 2013 12:00 AM)

Read Patton ch 5.

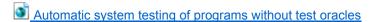
Ron Patton, Software Testing (2nd ed), chapter 5

Metamorphic Testing

(Tue Nov 12, 2013 10:10 AM)

Read Christian Murphy, Kuang Shen and Gail Kaiser. <u>Automatic System Testing of Programs without Test Oracles.</u> International Symposium on Software Testing and Analysis, July 2009.

Read Patton ch. 7 (not about metamorphic testing, but useful for your individual assignments).



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1 2 3 Testing

Ron Patton, Software Testing (2nd ed), chapter 7

Metamorphic Runtime Checking of Applications without Test Oracles

Static Testing (Inspection)

(Thu Nov 14, 2013 10:10 AM)

Read Patton ch. 4 and 6

Ron Patton, Software Testing (2nd ed), chapter 6

Michael Fagan Associates

Michael Fagan, Advances in Software Inspections

Ron Patton, Software Testing (2nd ed), chapter 4

Code Inspection, Integration and System Testing (Tue Nov 19, 2013 10:10 AM)

Read Head First ch 9-10

A Generic Code Review Checklist

Java checklist

Python checklist

Ruby checklist

Completing the Software Process

(Thu Nov 21, 2013 10:10 AM)

Read Head First ch. 11-12

Refactoring, Design Patterns

(Tue Nov 26, 2013 10:10 AM)

Read Head First appendixes

Design Patterns

Refactoring

Refactoring Tips by Martin Fowler

Design Patterns for 70% of the Programmers in the World

Project Swap, Selected Demos

(Tue Dec 03, 2013 10:10 AM)

"Volunteer" demos and then time for meeting with other teams.

Final Exam

(Thu Dec 05, 2013 10:10 AM)