# **ECE297 Communications**

Dr. Ken Tallman March 5, 2014



## Midterm Debrief

- <u>Present an overview</u> (progress report) in an extemporaneousprepared manner, with a main point and supporting evidence
- Demonstrate your software on a lab computer
- Answer questions in a way that shows understanding of course material



### Midterm Debrief

- <u>Present an overview</u> (progress report) in an extemporaneousprepared manner, with a main point and supporting evidence
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Overall average: 75%



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Presentation average: 72.5%



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Demonstration average: 84.8%



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TA Q&A average: 65%



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CI Q&A average: 55.5%



# **Grading Rubrics**

TA

term TA Grading Rubric

Each team must bring two rubrics to the Midterm: the TA Grading Rubric and the Cl Grading Rubric Students must Ill in their names and UTORIds in both rubrics before the midterm begins. Also, students must Ill in their names and trolled on the TA rubric before the midterm begins. Finally, students must fill in the Attribution Table on the TA rubric before the midterm begins. Finally, students must put the provided labels (A, B, or C) on the front of their clothine.

	Student Name	UTORid	Demo Grade	Q&A Grade	Total Grade
Α			/10	/4	/14
В			/10	/4	/14
С			/10	/4	/14

Att	ribution	Table (st	udents:	circle the a	reas each of you ha	s worked on)
	Network	Server	Config	Client/server	0	ther
	protocol	data structure	File	authentication	T	asles
Δ	M2	M2	M2	M2	Berlinson makestin	Danner

F	M2	M2	М2	M2	Performance evaluation	Dosygen		
E	M2	M2	M2	M2	Performance evaluation	Dosygen		
	C M2 M2 M2 M2 Performance evaluation Doopgen							
_								

Software Demonstration (Fartial marks per missible for the third operation)						
	Q#	First Operation (4 minutes)	Second Operation (2 minutes)	Third Operation (4 minutes)	Grade	
Α		/3	/3	/4	/10	
В		/3	/3	/4	/10	
С		/3	/3	/4	/10	

Que	stion and	Answer				
Q1	Q#	No answer or incorrect	Poor speaker; hard to understand; answer may be partially correct	Mainly understandable and mainly correct but needs improvement	Good speaker; reasonably clear, correct	Outstanding speaker; clear, concise, correct
A		0	.5	1	1.5	2
В		0	.5	1	1.5	2
С		0	.5	1	1.5	2
				Mainly		

Q2	Q#	No answer or incorrect	Poor speaker; hard to understand; answer may be partially correct	Mainly understandable and mainly correct but needs improvement	Good speaker; reasonably clear, correct	Outstanding speaker; clear, concise, correct
A		0	.5	1	1.5	2
В		0	.5	1	1.5	2

ECE297 Midterm CI Grading Rubric Group Number \_\_\_\_\_\_ Day/Time \_\_

Each team must bring two rubrics to the Midterm: the TA Grading Rubric and the CI Grading Rubric. Students must fill their names and UTDRids in both rubrics before the midterm begins. Also, students must fill in the Attribution Table on the TA rubric-before the midterm begins. Finally, students must put the provided labels (A, B, or C) on the front of their clothing.

CI

	Student Name	UTORid	Presentation	Q&A Grade	Final Grade
Α			/6	/2	/8
В			/6	/2	/8
С			/6	/2	/8

	ream Pres	entation (6	marks; naii	marks are	permissible	)	
ſ	Team appears	Highly	Little evidence	Careless	Adequate	Effective	Excellent
ı	completely	disorganized;	of preparation;	preparation;	preparation;	preparation	preparation;
ı	unprepared;	mass of	disorganized;	poor	reasonable	and	original,
ı	team shows no	unrelated	some	organization;	organization;	organization;	distinctive
ı	evidence of	details; no	understanding	central idea is	central idea is	clear attempt	central idea;
ı	understanding	central idea;	of the design	formulaic or	clear but lacks	to create an	supported in a
ı	design project;	superficial	project; central	highly general	distinction	original central	highly
ı	no central idea	understanding	idea may be			idea	organized
ı		of the design	confusing or				manner
L		project	superficial				
ı	0	- 1	2	2	4	C C	6

Individual Penalty for Team Presentation							
	Poor articulation;	Little or no engagement with	Little of no engagement with	Careless body language	Inappropriate clothing	Non- participation	
	difficult to hear	audience	team				
Α	Minus 1	Minus 1	Minus 1	Minus 1	Minus 1	No marks	
В	Minus 1	Minus 1	Minus 1	Minus 1	Minus 1	No marks	
C	Minus 1	Minus 1	Minus 1	Minus 1	Minus 1	No marks	

Q	uestion and	l Answer				
	Q#	No answer or incorrect	Poor speaker; hard to understand; answer may be partially correct	Understandable and mostly correct but needs improvement	Good speaker; reasonably clear, correct	Outstanding speaker; clear, concise, correct
Α		0	.5	1	1.5	2
В		0	.5	1	1.5	2
С		0	.5	1	1.5	2

Comment

feedback tool?

FACULTY OF APPLIED SCIENCE & ENGINEERING

## M3 Design Document Requirements

- Revise and update M2 Design Document
- Add new material



### M3 Design Document Requirements

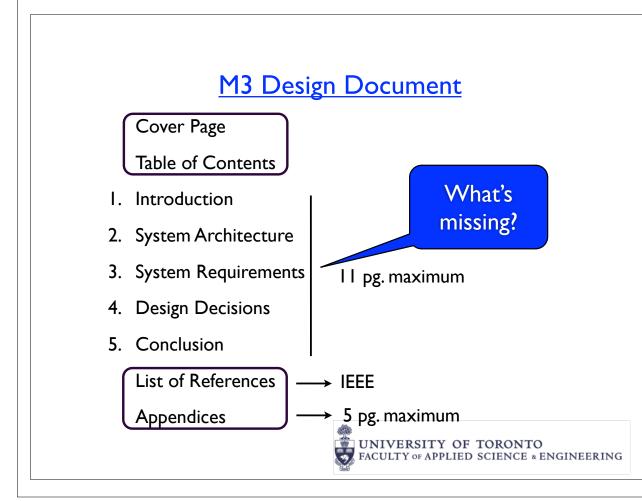
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- Add new material

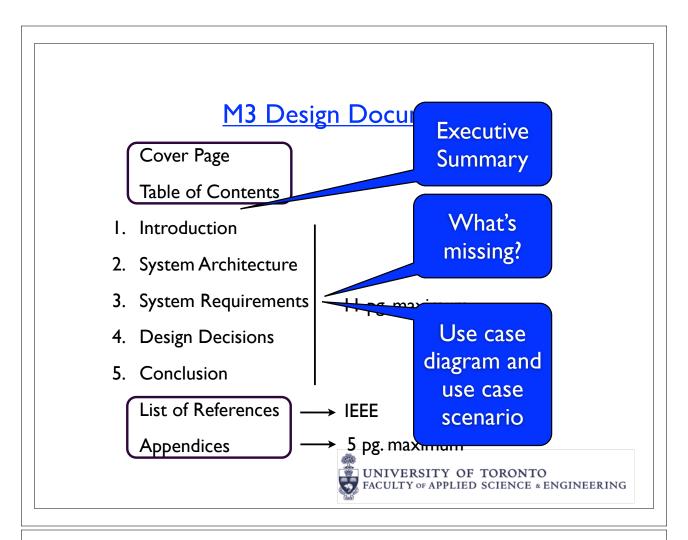
- User profile?
- UML diagrams?
- System requirements?
- Justifying design decisions?
- Formatting?
- Your Cl may want you to highlight your revisions
- Some revisions may require addition; some may require subtraction
- Some revisions may require that you reorganize content

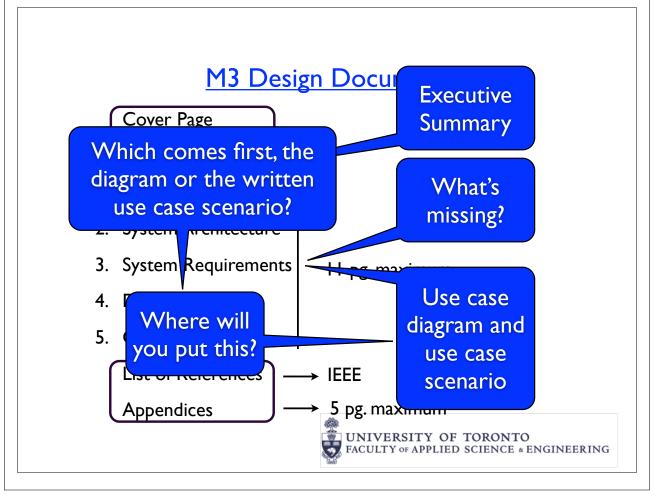
### M3 Design Document Requirements

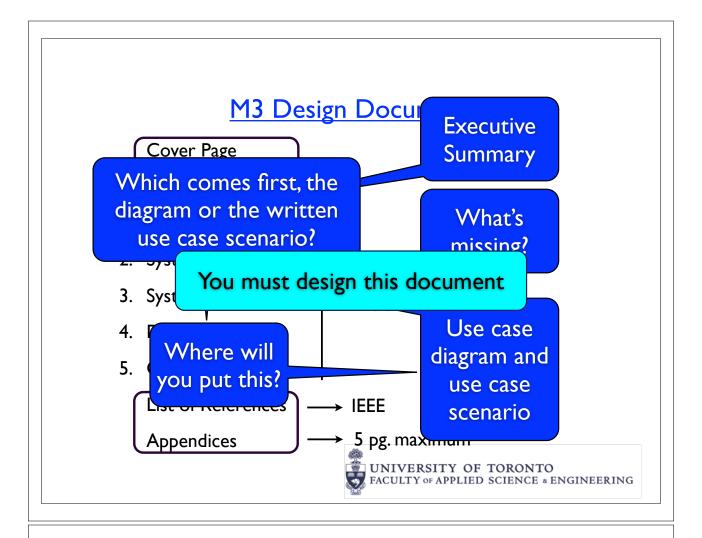
- Revise M2 Design Document
- Add new material
  - Executive Summary
  - Use Case Scenario & Diagram
  - ▶ New Design Decisions (see Design Considerations)
  - ▶ Bug Report (March 16)











#### M3 DD Questions

- Should we integrate the M2 DD into the M3 DD?
- Do we need to identify the new sections as "new"?
- Should we put material from M2 DD into M3 DD appendices?
- Does the II-page maximum for the main body in the M3 DD include the pages of text from the M2 DD?
- Is the Bug Report included in the maximum page count?



# **Audience for Design Documents**





# **Audience for Design Documents**



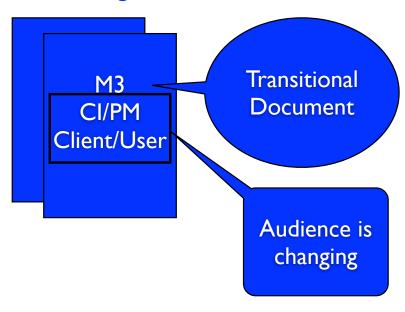


# **Audience for Design Documents**





# **Audience for Design Documents**





Abstract	Executive Summary
Abbreviated summary	Unique benefits
Research audience	Decision makers, managers
Informational, academic	Sales, bids, proposals
Give information	Call for action
Generally technical	Mainly managerial
Problem and scope	Outcomes and benefits
Describe methodology	Proofs of concept

http://rfptemplates.technologyevaluation.com/ abstract-vs-executive-summary.html



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#### Sample

### **Executive Summary**

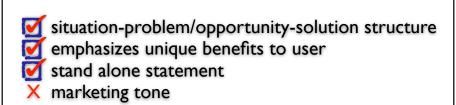
As new internet technologies continually revolutionize our ways of life, online advertising has also grown tremendously to support online business models. The objective of our project is to design new online advertising mechanisms that can deliver ads based on the analysis of dynamic real-time data from sources such as email and instant messaging conversations.



#### Sample

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Our report presents an overview of our team's design which is broken down into three modules. After all three modules have been presented, the document will present a section on testing and finally it will present a section outlining the work our team has completed and the conclusions.



### Sample

#### **Executive Summary**

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- X too much metadiscourse
- X metadiscourse is highly general
- X not stand-alone
- X too much emphasis on team, too little on client



#### Use Case

- Describes what happens when users interact with a system
- A collection of scenarios about how a system user interacts with a system to achieve a particular goal

adapted from: <a href="http://alistair.cockburn.us/Use+case+fundamentals">http://alistair.cockburn.us/Use+case+fundamentals</a>



## M3 DD Written Use Case Scenario

- Primary Actor
- Level
- Stakeholders and Interests
- Preconditions
- Minimal Guarantee
- Success Guarantee
- Main Success Scenario
- Extensions

adapted from: <a href="http://alistair.cockburn.us/Use+case+fundamentals">http://alistair.cockburn.us/Use+case+fundamentals</a>



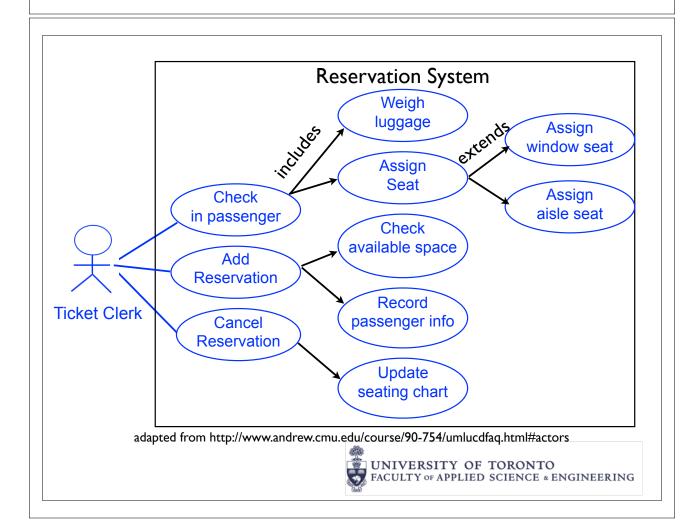
#### M3 DD Written Use Case Scenario

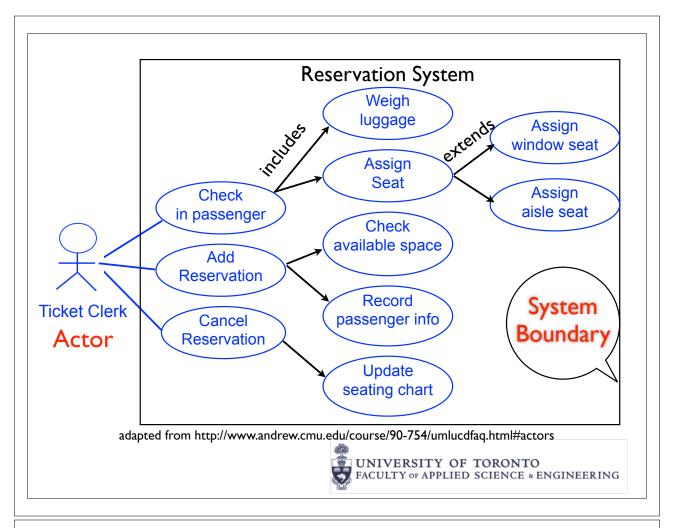
- Primary Actor
- Level
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- Extensions

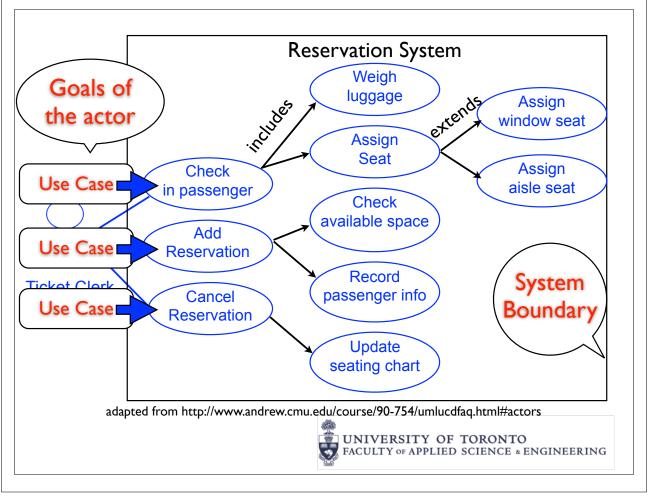
Select one scenario

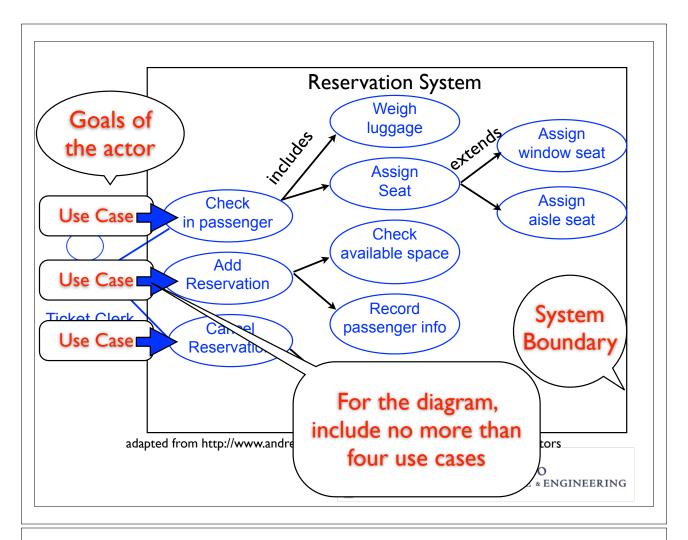
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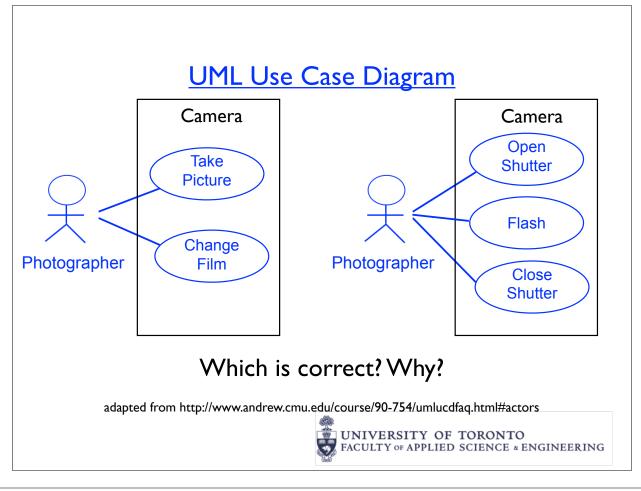




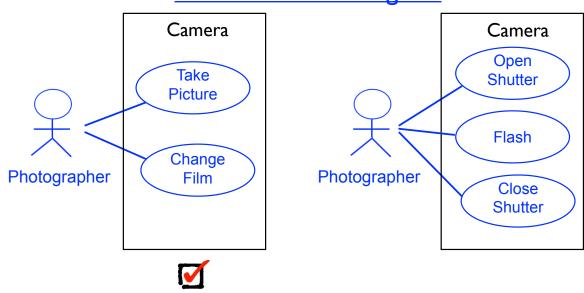








### **UML** Use Case Diagram



adapted from http://www.andrew.cmu.edu/course/90-754/umlucdfaq.html#actors



#### Benefits of Use Case

- Summarizes what the system will contribute (useful to management or project stakeholders)
- Communicates the scope of the project (useful to management)
- States the system's responsibilities in main success scenario (useful to all)
- Shows possible problems in extension conditions (useful to programmers and analysts)

adapted from: <a href="http://www.agilemodeling.com/artifacts/useCaseDiagram.htm">http://www.agilemodeling.com/artifacts/useCaseDiagram.htm</a>



# New Design Decisions

- Discuss all new design decisions that are relevant to the project
- Refer to Design Considerations in the assignment instructions



# **Bug Report**

- Who writes Bug Reports?
- Who reads them?



# Qualities of a Good Bug Report

- Objective observation
- Appropriate level of detail
- Clear and concise writing
- Logical and consistent format



#1

# Different Approaches to Bug Reporting

- Clear title
- One bug per report
- Minimum steps to reproduce the problem
- Expected and observed results
- Pictures (screenshots)

http://itscommonsensestupid.blogspot.com/2008/07/tips-to-write-good-bug-report.html



#2

# Different Approaches to Bug Reporting

I. New

7. Reopened

2. Open

8. Duplicate

3. Assign

9. Rejected

4. Test

10. Closed

- 5. Verified
- 6. Deferred

http://www.softwaretestinghelp.com/?attachment\_id=98



#3

# Different Approaches to Bug Reporting

- 1. Bug description
- 2. How to reproduce
- 3. Actual result
- 4. Expected result
- 5. Cause of problem
- 6. Solution



## Format for Bug Report?

- List? Table? Memo? Report?
  - ▶ There are basic forms of bug reports, but the details change.
  - ▶ There is no "right" format; you design it.



#### Use Precise Language

- Imprecise: "Open Gmail in another window."
- Precise: "Press Cmd+N to open a new browser window, then type <a href="https://mail.google.com/">https://mail.google.com/</a> in the window bar and press Enter."
- Confusing: "I started FooApp. It put up a warning window. I tried to close it and it crashed."
- Clear: "I started FooApp, which put up a warning window. I tried to close the warning window, and FooApp crashed."



# **Recommendations**

- Choose a format that is efficient and simple.
- Provide details as required: some bugs are more difficult to explain and fix.

