

---

# 15 440 Distributed Systems Final Exam Solution

---

15-440/640, Fall 2016: Distributed Systems  
15-440 Distributed Systems Final Exam SOLUTION  
15 440 Distributed Systems Final  
15-440: Distributed Systems  
15-440: Distributed Systems Syllabus - SynergyLabs  
15-440 Distributed Systems Fall 2009 Final  
Distributed Systems - Columbia University  
Midterm 2012 solutions - 15-440 Distributed Systems ...  
15-440: Distributed Systems Syllabus - CMU  
15-440 - Distributed Systems - Carnegie Mellon University  
CMU 15-440 Fall 2015 - Project 1: Distributed File System ...  
15-440 Distributed Systems - synergylabs.org  
15-440 Distributed Systems - synergylabs.org  
15-440: Distributed Systems - Carnegie Mellon University  
15-440 Distributed Systems Final Exam  
15-440 Distributed Systems - synergylabs.org  
15 440 : Distributed Systems - Carnegie Mellon University  
15-440/640, Fall 2019: Distributed Systems  
15-440: Distributed Systems Syllabus  
CMU 15-440 Fall 2017 - Syllabus

*15 440 Distributed Systems Final Exam  
Solution*

*Downloaded from <ftp.wtvq.com> by guest*

---

**OBRIEN BLAKE**

---

*15-440/640, Fall 2016: Distributed Systems* 15 440 Distributed

Systems Final15-440 Distributed Systems Final Exam Name:  
Andrew: ID December 12, 2011 Please write your name and  
Andrew ID above before starting this exam. This exam has 14  
pages, including this title page.15-440 Distributed Systems Final  
Exam15-440 is an introductory course in distributed systems. The

emphasis will be on the techniques for creating functional, usable, and high-performance distributed systems. To make the issues more concrete, the class includes several multi-week projects requiring significant design and implementation.

15-440/640, Fall 2019: Distributed Systems

15-440 is an introductory course in distributed systems. The emphasis will be on the techniques for creating functional, usable, and high-performance distributed systems. To make the issues more concrete, the class includes several multi-week projects requiring significant design and implementation.

15-440/640, Fall 2016: Distributed Systems

Project 2: Synchronization and Replication in File Stack Distributed File System Final Project Due Date: 1 Nov 2015, by 11:59pm. Project description can be found in Project 2 Handout. Rubrics can be found in Rubrics-PDF. Download Project 2 Starter Code. This is the framework that you will be modifying. Unzip the file.

15-440 - Distributed Systems - Carnegie Mellon University

15-440 Distributed Systems Fall 2009 Final Name: Andrew: ID November 29, 2010 Please write your name and Andrew ID above before starting this exam. This exam has 10 pages, including this title page. Please confirm that all pages are present. This exam has a total of 131 points. Question Points Score 1 4 2 4 3 4 4 4 5 8 6 16 7 4 8 4 9 3 10 6 11 8 ...

15-440 Distributed Systems Fall 2009 Final

15-440: Distributed Systems Syllabus. 15-440 Home; ... Past Exams; Textbook. Distributed Systems Maarten Van Steen & Andrew S. Tanenbaum Published by CreateSpace Independent Publishing Platform, ISBN 978-1543057386, 3rd edition. ... The final exam will be a closed-book exam, covering material from the whole semester, with

slight emphasis on ...

15-440: Distributed Systems Syllabus - SynergyLabs

Distributed systems 15-440 is a 12-unit course and requires a grade of "C" or better in 15-213, Introduction to Computer Systems as a prerequisite This is an introductory course in distributed systems. The emphasis will be on the techniques for creating functional, usable, and high-performing distributed systems.

15-440: Distributed Systems - Carnegie Mellon University

15-440 is an introductory course in distributed systems. The emphasis will be on the techniques for creating functional, usable, and high-performing distributed systems. To make the issues more concrete, the class includes several multi-week projects requiring significant design and implementation.

CMU 15-440 Fall 2017 - Syllabus

15-440 Distributed Systems Final Exam SOLUTION Name: Andrew: ID December 12, 2011 Please write your name and Andrew ID above before starting this exam. This exam has 15 pages, including this title page. Please confirm that all pages are present. This exam has a total of 80 points. Question Points Score 1 8 2 3 3 6 4 12 5 10 6 12 7 13 8 6 9 10 ...

15-440 Distributed Systems Final Exam SOLUTION

Distributed Systems: Principles and Paradigms Andrew S. Tanenbaum & Maarten Van Steen Published by Pearson, ISBN 0-13-239227-5, 2nd edition. The lecture notes will be available after each lecture to assist with studying -- please read them as they often contain material that goes beyond just what we covered in lecture! For supplemental reading ...

15-440: Distributed Systems Syllabus

15-440 Distributed Systems Thursday, Nov 21st, 2019 ...

•P3 FINAL -Due 12/6 ... A system in which "roots of trust" authoritatively bind public keys to real-world identities 2)A significant stumbling block in deploying many

“next generation” secure Internet protocol or  
 15-440 Distributed Systems - synergylabs.org  
 15-440 Distributed Systems Tuesday, Nov 19th, 2019. Logistical Updates • P3 FINAL -Due 12/6 ...  
 Building User-Focused Sensing Systems Spring 2020| 17-422/17-722 Sensors are at the core of most computers Learn how these sensors work & build your own sensing systems  
 15-440 Distributed Systems - synergylabs.org Access study documents, get answers to your study questions, and connect with real tutors for 15 440 : Distributed Systems at Carnegie Mellon University.  
 15 440 : Distributed Systems - Carnegie Mellon University  
 15-440: Distributed Systems Syllabus 15-440 Home Syllabus Assignments Exams Announcements Textbook Distributed Systems: Principles and Paradigms Andrew S. Tanenbaum & Maarten Van Steen Published by Pearson, ISBN 0-13-239227-5, 2nd edition. The lecture notes will be available after each lecture to assist with studying -- please  
 15-440: Distributed Systems Syllabus - CMU The "apps" package allows command-line access to the distributed file operations in FileStack. Apps package - with little changes to your existing project 1 code - allows you to utilize the apps package for easily accessing distributed files that are managed by your own FileStack implementation. Now using simple commands on the shell you can:  
 CMU 15-440 Fall 2015 - Project 1: Distributed File System ...  
 CMU's distributed systems course (15-440), developed by David Andersen We leverage different aspects from the above courses. For example, we use a subset of MIT's lab assignments, the lecture schedule, notes, and presentations from the MIT, CMU, and NYU courses, and much of NYU's web page structure.  
 Distributed Systems - Columbia University  
 15-440 is an introductory course in distributed systems.

The emphasis will be on the techniques for creating functional, usable, and high-performing distributed systems. To make the issues more concrete, the class includes several multi-week projects requiring significant design and implementation.  
 15-440: Distributed Systems  
 15-440 Distributed Systems. Thursday, Sept 25th, 2019. Logistics Updates. P1 Part A checkpoint. Part A due: Saturday 10/5 (6-week drop deadline 10/7) ... the final result looks like the transactions ran in some sequential order (the order itself may be system dependent).  
 15-440 Distributed Systems - synergylabs.org  
 15-440 Distributed Systems Midterm SOLUTION Name: Andrew: ID October 16, 2012 • Please write your name and Andrew ID above before starting this exam. • This exam has 18 pages, including this title page. Please confirm that all pages are present. • This exam has a total of 115 points. Question Points Score 1 20 2 12 3 25 4 10 5 13 6 14 7 ...  
 Midterm 2012 solutions - 15-440 Distributed Systems ...  
 Frequency Offered: Generally offered every spring and fall - confirm course offerings for upcoming semesters by accessing the university Schedule of Classes Course Relevance (who should take this course?): Students who are interested in how current large-scale distributed systems, such as those used by Google, Facebook and Microsoft, are designed, built and tested. Any students wanting to know ...  
 The "apps" package allows command-line access to the distributed file operations in FileStack. Apps package - with little changes to your existing project 1 code - allows you to utilize the apps package for easily accessing distributed files that are managed by your own FileStack implementation. Now using simple commands on the shell you can:

15-440: Distributed Systems Syllabus. 15-440 Home; ... Past Exams; Textbook. Distributed Systems Maarten Van Steen & Andrew S. Tanenbaum Published by CreateSpace Independent Publishing Platform, ISBN 978-1543057386, 3rd edition. ... The final exam will be a closed-book exam, covering material from the whole semester, with slight emphasis on ...

### **15-440 Distributed Systems Final Exam SOLUTION**

CMU's distributed systems course (15-440), developed by David Andersen We leverage different aspects from the above courses. For example, we use a subset of MIT's lab assignments, the lecture schedule, notes, and presentations from the MIT, CMU, and NYU courses, and much of NYU's web page structure.

#### *15 440 Distributed Systems Final*

15-440 is an introductory course in distributed systems. The emphasis will be on the techniques for creating functional, usable, and high-performing distributed systems. To make the issues more concrete, the class includes several multi-week projects requiring significant design and implementation.

### **15-440: Distributed Systems**

Access study documents, get answers to your study questions, and connect with real tutors for 15 440 : Distributed Systems at Carnegie Mellon University.

#### 15-440: Distributed Systems Syllabus - SynergyLabs

Frequency Offered: Generally offered every spring and fall - confirm course offerings for upcoming semesters by accessing the university Schedule of Classes Course Relevance (who should take this course?): Students who are interested in how current large-scale distributed systems, such as those used by Google, Facebook and Microsoft, are designed, built and tested. Any

students wanting to know ...

### **15-440 Distributed Systems Fall 2009 Final**

Distributed Systems: Principles and Paradigms Andrew S. Tanenbaum & Maarten Van Steen Published by Pearson, ISBN 0-13-239227-5, 2nd edition. The lecture notes will be available after each lecture to assist with studying -- please read them as they often contain material that goes beyond just what we covered in lecture! For supplemental reading ...

### **Distributed Systems - Columbia University**

15-440 is an introductory course in distributed systems. The emphasis will be on the techniques for creating functional, usable, and high-performance distributed systems. To make the issues more concrete, the class includes several multi-week projects requiring significant design and implementation.

#### *Midterm 2012 solutions - 15-440 Distributed Systems ...*

15 440 Distributed Systems Final

#### 15-440: Distributed Systems Syllabus - CMU

15-440 Distributed Systems Final Exam Name: Andrew: ID December 12, 2011 Please write your name and Andrew ID above before starting this exam. This exam has 14 pages, including this title page.

#### 15-440 - Distributed Systems - Carnegie Mellon University

15-440: Distributed Systems Syllabus 15-440 Home Syllabus Assignments Exams Announcements Textbook Distributed Systems: Principles and Paradigms Andrew S. Tanenbaum & Maarten Van Steen Published by Pearson, ISBN 0-13-239227-5, 2nd edition. The lecture notes will be available after each lecture to assist with studying -- please

### **CMU 15-440 Fall 2015 - Project 1: Distributed File System**

...

15-440 Distributed Systems Midterm SOLUTION Name: Andrew: ID October 16, 2012 • Please write your name and Andrew ID above before starting this exam. • This exam has 18 pages, including this title page. Please confirm that all pages are present. • This exam has a total of 115 points. Question Points Score 1 20 2 12 3 25 4 10 5 13 6 14 7 ...

### **15-440 Distributed Systems - synergylabs.org**

15-440 Distributed Systems. Thursday, Sept 25th, 2019. Logistics Updates. P1 Part A checkpoint. Part A due: Saturday 10/5 (6-week drop deadline 10/7) ... the final result looks like the transactions ran in some sequential order (the order itself may be system dependent).

### 15-440 Distributed Systems - synergylabs.org

Distributed systems 15-440 is a 12-unit course and requires a grade of "C" or better in 15-213, Introduction to Computer Systems as a prerequisite This is an introductory course in distributed systems. The emphasis will be on the techniques for creating functional, usable, and high-performing distributed systems.

### 15-440: Distributed Systems - Carnegie Mellon University

15-440 Distributed Systems Thursday, Nov 21st, 2019 ... •P3 FINAL -Due 12/6 ... A system in which "roots of trust" authoritatively bind public keys to real-world identities 2)A significant stumbling block in deploying many "next generation" secure Internet protocol or

### *15-440 Distributed Systems Final Exam*

Project 2: Synchronization and Replication in File Stack  
Distributed File System Final Project Due Date: 1 Nov 2015, by

11:59pm. Project description can be found in Project 2 Handout. Rubrics can be found in Ruberics-PDF. Download Project 2 Starter Code. This is the framework that you will be modifying. Unzip the file.

### **15-440 Distributed Systems - synergylabs.org**

15-440 Distributed Systems Tuesday, Nov 19th, 2019. Logistical Updates •P3 FINAL -Due 12/6 ... Building User-Focused Sensing Systems Spring 2020| 17-422/ 17-722 Sensors are at the core of most computers Learn how these sensors work & build your own sensing systems

### **15 440 : Distributed Systems - Carnegie Mellon University**

15-440 Distributed Systems Fall 2009 Final Name: Andrew: ID November 29, 2010 Please write your name and Andrew ID above before starting this exam. This exam has 10 pages, including this title page. Please con rm that all pages are present. This exam has a total of 131 points. Question Points Score 1 4 2 4 3 4 4 5 8 6 16 7 4 8 4 9 3 10 6 11 8 ...

### **15-440/640, Fall 2019: Distributed Systems**

15-440 is an introductory course in distributed systems. The emphasis will be on the techniques for creating functional, usable, and high-performing distributed systems. To make the issues more concrete, the class includes several multi-week projects requiring significant design and implementation.

### 15-440: Distributed Systems Syllabus

15-440 Distributed Systems Final Exam SOLUTION Name: Andrew: ID December 12, 2011 Please write your name and Andrew ID above before starting this exam. This exam has 15 pages, including this title page. Please con rm that all pages are present. This exam has a total of 80 points. Question Points Score

1 8 2 3 3 6 4 12 5 10 6 12 7 13 8 6 9 10 ...