

# CS 122: Final Exam Review Jeopardy Game

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Hello everyone,

Welcome to the comprehensive, interactive Jeopardy game designed to prepare you for the CS 122 Final Exam! This game covers Lectures 10 through 17 and emphasizes the **application of concepts, trade-offs in data structures, and integrated problem-solving** needed for both the multiple-choice and programming challenge sections of the final assessment.

Use this game as a way to test your conceptual knowledge and identify any topics (especially recursion, file I/O, and collections) you may want to review further.

## How We'll Play in Class

We will play this game together during our scheduled final review session.

- **Teams:** The class will be divided into two teams.
- **Gameplay:** The active team will choose a category and a point value. The host (Prof. Sarah L) will read the "answer," and the first team to buzz in must respond in the form of a question.
- **Scoring:** Correct responses earn points, while incorrect responses deduct points. The team that answers correctly gains control of the board for the next question.

### Example of Gameplay:

1. **A team chooses:** "15. Exception Handling for \$400".
2. **The host reads the clue:** "The type of exception, such as `IOException`, that the compiler forces you to handle."
3. **The team buzzes in and responds:** "What is a **checked exception**?"
4. **Result:** That is correct! The team earns 400 points and gets to choose the next question.

## Game Categories

The 10 categories in this game correspond directly to the major topics covered in the [CS 122 Final Exam Study Guide](#) (Lectures 10-17):

1. 10. Collections Framework & ArrayList
2. 11. LinkedList and Performance Analysis
3. 12. Sets and Queues
4. 13. Maps as Lookup Tables
5. 14. Binary Search: Efficient Searching
6. 15. Exception Handling & Recovery
7. 16. File Input/Output Operations
8. 17. Recursion
9. Testing with JUnit (Split from L17)
10. Integration Trail Mix (Covers all topics holistically)

## Additional Study Resources

This game is just one part of your review. Please make sure to also:

- Thoroughly review the official [CS 122 Final Exam Study Guide](#).

Good luck with your studies!

Best,

Prof. Sarah L