

# CS 122: Final Exam Review Jeopardy Game

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