Game Name: Code Auction

Objective:

Participants solve coding challenges while managing a limited budget of "auction points" to bid for resources. Teams must strategize to maximize their score by efficiently solving coding problems within resource constraints.

Rules

1. Team Structure

- Each team consists of **2-4 participants**.
- Maximum of **40 participants** (10 teams).

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2. Game Setup

- Each team starts with **100 auction points**.
- Coding problems are categorized into:
    - **Easy**: Worth 10 points.
    - **Medium**: Worth 20 points.
    - **Hard**: Worth 30 points.
- Resources available in the auction:
    - **Lines of Code (Number of Semi-columns)**: In increments of 5, 10, or 15 lines.
    - **Hints**: Clues to help solve problems.
    - **Debugging Rights**: Permission to run/debug code during the round.

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3. Auction Process

- **Step 1**: The auctioneer announces an item (e.g., "10 lines of code starting at 5 points").
- **Step 2**: Teams bid against each other using their points.
- **Step 3**: The highest bidder wins the resource and loses the bid amount from their total points.
- **Step 4**: Resources not purchased go unsold and are unavailable.

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4. Coding Round

- After the auction ends, teams use the resources they won to solve the coding problems.
- Teams with no purchased lines of code or debugging rights have **default restrictions**:
  - Lines of Code: **5 lines maximum.**
  - Debugging: **Not allowed unless purchased.**

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5. Scoring System

- Teams earn points for solving problems:
  - **Easy Problem**: +10 points.
  - **Medium Problem**: +20 points.
  - **Hard Problem**: +30 points.
- **Leftover Auction Points**: Add to the team's score.
  - Example: If Team A has 15 leftover points, these are added to their final score.
- **Penalty**: Deduct points for incorrect submissions or exceeding resource limits:
  - Incorrect Submission: -5 points.
  - Exceeding Lines of Code: -10 points.

Marking Criteria

Category	Points
Solving Easy Problem	+10 points per problem
Solving Medium Problem	+20 points per problem
Solving Hard Problem	+30 points per problem
Incorrect easy Submission	-5 points per problem
Incorrect easy Submission	-10 points per problem
Incorrect easy Submission	-10 points per problem
Exceeding Line Limit	-10 points per problem