

Code Arena

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Abstract: *The project aimed to create "CODEARENA – Code Together, Learn Together", a real-time collaborative coding platform for time-bound challenges. Participants join sessions and solve problems within 10–30 minutes. The system includes a collaborative code editor, timer-based challenge module, and automated test case validation. It ensures the live activity tracker updates within 2 seconds and requires 80–100% test case success for solution acceptance.*

Keywords: Collaborative coding, real-time editor, code challenge, time-bound tasks, live activity tracker, automated validation, test case evaluation, latency, teamwork, learning platform

