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(57) Abstract :

The present invention discloses a real-time syntax error notification device comprising a Code Editor (10), Syntax Error Detector (12), and a Notification Module (14) including Audio Indicator (16) and Visual Indicator (18). Designed for novice coders, the device detects syntax errors instantly and provides multisensory feedback, enabling faster learning and correction. The system can be integrated with basic editors or used as a peripheral microcontroller device, making it suitable for educational environments and accessible computing platforms.

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