A Web-based Relational Database-backed Exercise and Quiz Delivery System

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Abstract: An interactive web-based system is described which allows the construction and editing of quizzes, delivery of quizzes, provision of user feedback and recording of user performances. Questions and responses, exercises, client details and performance statistics are held in a server-side database. An input system is provided to facilitate the construction and editing of quizzes via the WWW. The system described here has been implemented as a Microsoft Active Server Pages (ASP) web application. This work contributes to the second phase of on-going research into higher level authoring tools. The web pages produced in this version concentrate on functionality with little attention being paid to presentation issues; versions built in related projects enable presentation characteristics of pages to be defined and edited and the corresponding HTML source to be generated automatically.