

# Building Web Applications via Web

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Nowadays growing number of portals are being developed and there are many HTML pages getting their content from databases. One of the special features of development of web applications is the rapidly varying requirements. So the development of web applications contains short-time design and implementation with frequent feedbacks because we have to respond immediately to the new ideas.

In this paper a particular system will be introduced, which web applications and application prototypes can easily be developed with. With this client-server application, HTML or PHP pages can be built in WYSIWYG way, so the new prototypes of application modules can be quickly made and tested. The development process is performed by the help of the Internet, so the mentioned tool can be used anywhere. Therefore this development tool can be used even by thin clients because the application and the database management system run on a server.

The PHP pages—having dynamic content—consist of web components, so a well-organized system of such components builds the mentioned PHP page. Following the MVC principle we can define the model, view and controller of web components which can be done by markup texts. We can define the model part of a component as a SQL query which serves the data to be presented in XML format. The view can be described by an XSL document which transforms the result of the query. The controller part can be described by the navigation and the server-side behaviour of the constructed page.

In the end we examine how our system supports development of such portals which gain information of their pages from databases.