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Subject: Documentary and storage system for firm – manufacturer of electronic circuits.

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Defense date: 21.02.2007

Key words:

- *PHP script language (hypertext preprocessor)*
- *MySql Database*
- *Apache WEB server*
- *BOM (Bill of Material)*
- *SAP R/3 system*
- *Clay – plug-in for Eclipse*
- *Xara Webstyle*

Annotation:

Every prospering firm uses information system for management in different ways. Permanently forced standards for quality assurance demand increased documentation control. Previously made forms and documents (without any connections between them) become harder to search in and maintenance. All this and the need for higher control and management of the resources as well, force companies to use different forms of software. The software on the market not always satisfies the demands of the users or it is more expensive then they can afford to pay. This is the reason more and more information systems to be created exactly for the needs of one company. This is the case with the d*ocumentary and storage system created for Bouvi-Bulgaria Ltd as well.*

The Diploma paper develops the system to assist document making, to manage the store and manufacturing of the company which is in the production of electronic circuit's particular field. The purpose of this system is to be helpful in tracing the movement of material but not to be "the accountant" of the company. It doesn't exclude support of documents like invoices for example but the main purposes are to provide assistance for planning the material and components supply and to help customs import and export processes. It also includes management of the client's requests and provides ability to track the components in the manufacturing process, etc. To manage all this, an interface, database and algorithm was developed to meet the user issues. One of these is the system to be easily accessed. Because of this issues WEB technologies are chosen for implementation.

This diploma paper starts with describing of company's issues. Then the functionality and the database models are made. Analysis of what program language to be used for development and which database engine to be chosen is made afterwards. It continues with implementation of functionality. The structure of the database is demonstrated. At the end with brief user guide main abilities that the interface provides are shown.

The system's testing and debugging is done after realization of the functionality and the system is ready to be implemented.