

KBTU Intranet system

### **3-layered architecture.**

#### **Presentation Layer.**

*HTML and CSS.* Web-page which will be shown on the user's web-browser. It will be done by web-programming.

*Column.* Rows such as faculties, departments and files. By clicking on them user will move to other pages. For example, teacher's files.

*Row on the top.* Buttons to change the language. Icons for mail, OR, library and the main page. By clicking on these icons user will move to desired web-page.

*User authentication.* 1<sup>st</sup> interface for authorize in the intranet and the 2<sup>nd</sup> for authorize in OR.

#### **Business Logic Layer.**

*Authorization.* For authorize users system connects to database.

*Actions on the main page.* Some users can add news. All users can read news and add comments. For download files users need to click on the rows on the column. Faculties' rows have teacher's folders. Teachers are sorted by their surnames.

*Icons.* Icons such as mail and library will browse the new web-page. To open them user needs only login and password for the intranet. But for the OR users need ID numbers and passwords. Users of OR can be 3 types: students, teachers and OR stuff.

#### **Data Access Layer.**

*Authorization and authentication.* Users are students, teachers, admin, and OR. Database saves their passwords and logins. The system checks whether the user with current login and password exists in the Database. OR page depends on ID numbers which are stored in database.

*Tables in database.* Table for users. In the OR another table for users.

### **2-layered architecture.**

#### **Presentation and Business Logic Layer.**

*HTML and CSS.* Web-page which will be shown on the user's web-browser. It will be done by web-programming.

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### **1-layered architecture.**

### **Presentation, Business Logic, and Data Access.**

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*Actions on the main page.* Some users can add news. All users can read news and add comments. For download files users need to click on the rows on the column. Faculties' rows have teacher's folders. Teachers are sorted by their surnames.

*Actions on icons.* Icons such as mail and library will browse the new web-page. To open them user needs only login and password for the intranet. But for the OR users need ID numbers and passwords. Users of OR can be 3 types: students, teachers and OR stuff.

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