

Lab 1

In this lab I decided to implement chat application. Here we have 3 layers of application.

1. Basic functionality:

- 1) Registration. For enter chat territory you need to register first. After filling appropriate fields in HTML, it collects with method 'post' and sends to server, where it is handled and added to data base.
- 2) Validation. After registration, you can enter by validation form. As previously, collected data transfer to server, where it is compared to DB data, and request back whether login exists and password matches or not.
- 3) Chat section. Here you can send messages, which are transferred to server, processed, added to other comments, and displayed back to chat window.

2. Here we can divide application for 3 layers.

- Presentation layer: layer which responsible for constructing HTML pages, displaying right information on appropriate page.
- Domain logic layer: here I implement classes for user, message, chat, interaction between them. Also, validation, registration and chat process logics are here.
- Server layer: all database actions are referred to this layer. Here users added when registered, chat content updated.

