Programming 3 assignment report-

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Versions of ChatSys implemented:

3.0 and fully functional(but not doing HTTPS / MySQL)

Implemented features:

- **Javadoc fully functional**

- **InMemoryDatabase fully functional**

- **TextDatabase fully functional**

- **SQLiteDatabase fully functional**

- **JSONProtocol fully functional**

- **HTTPSever:**

    1. **UserHandler for both JSON and text protocols**

    2. **RencentMessagesHandler for both JSON and text protocols**

    3. **UnreadMessagesHandler for both JSON and text protocols**

    4. **MessageHandler also functioned**

- **Unit tests:**

    1. **User class**

    2. **InMemoryDatabase TextDatabase SQLiteDatabase for methods related to Users(Register/ GetNumberUsers / GetUsers / Authenticate / AddMessage /GetRecentMessages) And ChatMessages(addMessage / getNumberMessages / getRencentMessages / getUnreadMessage**

    3. **JSONProtocol for User and ChatMessage**

Missing features:

- Secured connection (HTTP)

- MySQL Database

- HttpSever:

    None missing

- Unit tests:

    None missing

Known bugs and limitations:

- SQLiteDatabaseTest had an Actual and Expect problem that annoys me a lot

- The Git comment may not fully be the standard

- RunServer.java when running, program arguments should be changed.

Kiitos, opettaja~~

By the way, the day I submit my final submission is my 21th birthday. Good Luck to me: