

1. Test 30 points <https://forms.gle/PbTcFv8z7fgAsBzH9>

Task.

Implement CRUD in the task as a two-tier client-server system:

2. Transfer using Socket (5 points)

the file names for the client and server should be as follows:

ClientSocketTaskN.java

ServerSocketTaskN.java multithreaded server

3. Transfer using RMI (5 points)

the file names for the client and server must be as follows:

ClientRmiTaskN.java

ServerRmiTaskN.java multithreaded server

Variants::

1. Publication Library. Define the hierarchy of scientific publications. Select a list of publications from the library to which the selected publication refers. Provide search for publications by bibliographic data and keywords. Provide a selection of publications sorted by relevance to the search query.

2. Organizer. Define the hierarchy of events in the calendar. Perform a selection of scheduled events by date or date range, sorted by date or by event category (importance). Provide the ability to work with recurring events and issue reminders about upcoming events.

3. Contacts. Create a hierarchy of contact information (phone, Skype, email, social media account, etc.). Provide the ability to merge contacts. Search for contacts by one or more criteria (matching a part of the name, number, etc.). Organize the sorting of contacts by first name or last name.

4. Notes. Create a hierarchy of notes of different types (pictures, text, list, etc.). Provide for searching for notes in the table of contents, in a given time range, by tags, sorting notes by last modified time, importance, title.

5. Mail. Organize sorting of emails by the date of receipt or sending, storing emails by categories (incoming, sent, spam, user categories), searching for emails by header, tags, date and time range, sender or recipient. Provide a mechanism for combining emails from one sender into a list and automatically sending emails to spam.

6. Concerts. Create a hierarchy of concert events, provide sorting and selection in the form of a list by genre, date, cost, names of participants (performers), venue. Provide the ability to book seats for different locations.