

**T. C.**

**RECEP TAYYIP ERDOGAN UNIVERSITY**

**FACULTY OF ENGINEERING AND ARCHITECTURE**

**COMPUTER ENGINEERING DEPARTMENT**

**CE103 Algorithms and Programming-I**

**2023-2024 Fall**

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**Student Name Surname**

Ahmet Bera Çelik

**Student No**

221401014

**Instructor**

Asst. Prof. Dr. Uğur CORUH

**RIZE**

**2024**

**ETHICAL STATEMENT**

I hereby declare that all information in this document has been obtained and presented in accordance with academic rules and ethical conduct. I also declare that, as required by these rules and conduct, I have fully cited and referenced all material and results that are not original to this work.

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|  |  | Date: 12 / 01 / 2024 |
|  | Name Surname | Ahmet Bera Çelik |
|  | Signature | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

The library search tool, developed in Java, enables users to effortlessly explore the library catalog for books, movies, and music, conducting searches based on titles. The application makes effective use of file handling to neatly store user profiles, catalog data, reservations, event schedules, and library locations in binary files.

Through the user-friendly Java application interface, users can easily reserve library items and renew borrowed ones. The system is thoughtfully designed to provide patrons with a seamless experience, facilitating effortless interaction with library resources.

Navigation within the Java application is user-friendly.

In summary, this Java library search tool simplifies the process of finding and managing library resources.