**Java Front-End Program Proposal**

**CPG107P**

*Performance-Based Task #1*

**Section:** I1201

**Pairs:**

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1. **Proposed Program:**

Library Cataloging System

1. **Introduction/Purpose**

The program proposed is a Library Cataloging system. Its main purpose is to manage library books in a database presented through a User Interface (Java)

It has the following Function:

* LoginForm – login through username and password
* SignupForm – create new account.
* MainForm: with 4 different Tabs
  + Home Tab: description about program
  + Update Tab: Add book records using their ISBN, author, year published, etc.
  + Records Tab: Search through existing books using search filters. Results are to be shown in a data grid.
  + Account tab: See own account, change password or username.

1. **Layout GUI FORM**

* LoginForm

A login screen with books on the shelves

Description automatically generated

* SignupForm:

A screenshot of a computer

Description automatically generated

* MainForm

A book shelf with a red background

Description automatically generated with medium confidence

**UPDATE TAB**

A computer screen shot of a library

Description automatically generated

**RECORDS TAB**

**A screenshot of a library catalog

Description automatically generated**

**ACCOUNTS TAB**

**A screenshot of a library catalog system

Description automatically generated**