Jacqueline Chavez

Phoebe Evans

Library Management System

In the main menu of the library management system there will be the options to view employees, patrons, loans, materials, programs, print payroll reports, print loans report, print inventory reports, and view programs, which are events taking place at the library. The user with this library management system will be able to use the menu to view and edit as needed.

Within the employees' menu, there will be the option to search, view, edit, delete and add employees. The system will allow for employees to be searched by name, position, and employee ID number. Within each employee the information provided will be employee ID number, salary, position, name, date of birth, address and phone number. Under this class you will also be able to print a payroll report.

Within the patrons menu there will also be the option to search, view, edit, delete and add patrons as needed. Patrons will be able to be searched by age group, age, and name. Within each patron the information provided will be name, age (date of birth), address, a patron ID number, and phone number. The user will also be able to view any current or past loans each patron has.

Within the loans menu there will also be the option to search, view, edit, delete and add. Loans will be able to be searched by name of patron, patron ID number or name of the material. Within each loan the information provided will be employee who scanned the material, the material, end and start date of loan, email, and name and patron ID number of the person taking out the loan. Under this class you will be able to print reports based on what time period the report is desired for. When taking out a loan, if the patron is a new patron, the employee must first create a profile for them and then proceed to complete the loan.

Within the materials menu there will be an option to search, view, edit, delete and add. Movies and books will be split into two subcategories, nonfiction and fiction. Materials will be able to be searched by author, title, date of publication, country, and whether the material is fiction or nonfiction. Each material will have the name of the material, what kind of material it is, when it was published/released, author/director, country of origin and genre, and past and present loans the materials might have.

Within the programs menu where the user would keep track of any events happening at the event. Under this class the user would have the speaker/person in charge of the event, time and place of the event, and patrons that will be attending. Under this class the user will be able to view and make a report of all patrons attending and also add or delete patrons to the program. Under this class, the user will also be able to add, edit, delete and view any program. The programs will be able to be searched by date of event, and title of event.