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#include <stdio.h>

int main() {
    int mainChoice;
    int subChoice;

    printf("Library Management System\n");
    printf("1. Manage Books\n");
    printf("2. Manage Magazines\n");
    printf("3. Exit\n");
    printf("Enter your choice: ");
    scanf("%d", &mainChoice);

    switch(mainChoice) {
        case 1:
            printf("\nYou selected: Manage Books\n");
            printf("1. Issue Book\n");
            printf("2. Return Book\n");
            printf("3. Back to Main Menu\n");
            printf("Enter your choice: ");
            scanf("%d", &subChoice);

            switch(subChoice) {
                case 1:
                    printf("Book has been issued.\n");
                    break;
                case 2:
                    printf("Book has been returned.\n");
                    break;
                case 3:
                    printf("Returning to main menu...\n");
                    break;
                default:
                    printf("Invalid choice in Books menu.\n");
                    break;
            }
            break;

        case 2:
            printf("\nYou selected: Manage Magazines\n");
            printf("1. Issue Magazine\n");
            printf("2. Return Magazine\n");
            printf("3. Back to Main Menu\n");
            printf("Enter your choice: ");

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scanf("%d", &subChoice);

switch(subChoice) {
    case 1:
        printf("Magazine has been issued.\n");
        break;
    case 2:
        printf("Magazine has been returned.\n");
        break;
    case 3:
        printf("Returning to main menu...\n");
        break;
    default:
        printf("Invalid choice in Magazines menu.\n");
        break;
}
break;

case 3:
    printf("Exiting program. Goodbye!\n");
    break;

default:
    printf("Invalid main menu choice.\n");
    break;
}

return 0;
}

```

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C:\Users\student24\Desktop\lab05-Q3.exe
Library Management System
1. Manage Books
2. Manage Magazines
3. Exit
Enter your choice: 2

You selected: Manage Magazines
1. Issue Magazine
2. Return Magazine
3. Back to Main Menu
Enter your choice: 1
Magazine has been issued.

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Process exited after 6.889 seconds with return value 0
Press any key to continue . . .

```