Library Management System State Diagram

Start → Idle

End

Idle → Account Registration: Update in D.B.

Idle → Account Registration: Request Register Account

Idle → Librarian Authentication: Librarian Login

Librarian Authentication → Idle: Authentication Fail

Idle → User Authentication: User Login

User Authentication → Idle: Authentication Fail

Librarian Authentication → Serving Librarian: Authenticated

User Authentication → Serving User: Authenticated

Serving Librarian
entry: authenticated
exit: logout

Start → Idle

End

Idle → Add, Edit, Delete Media: Request Action On Media

Add, Edit, Delete Media → : Action Processed

Idle → Update Profile: Request Update Profile

Update Profile → : Submit Update

Logout

Serving User
entry: authenticated
exit: logout

Start → Idle

End

Idle → Reserve, Checkout, Return Media: Request Action On Media

Reserve, Checkout, Return Media → : Action Processed

Idle → Update Profile: Request Update

Update Profile → : Submit Update

Logout