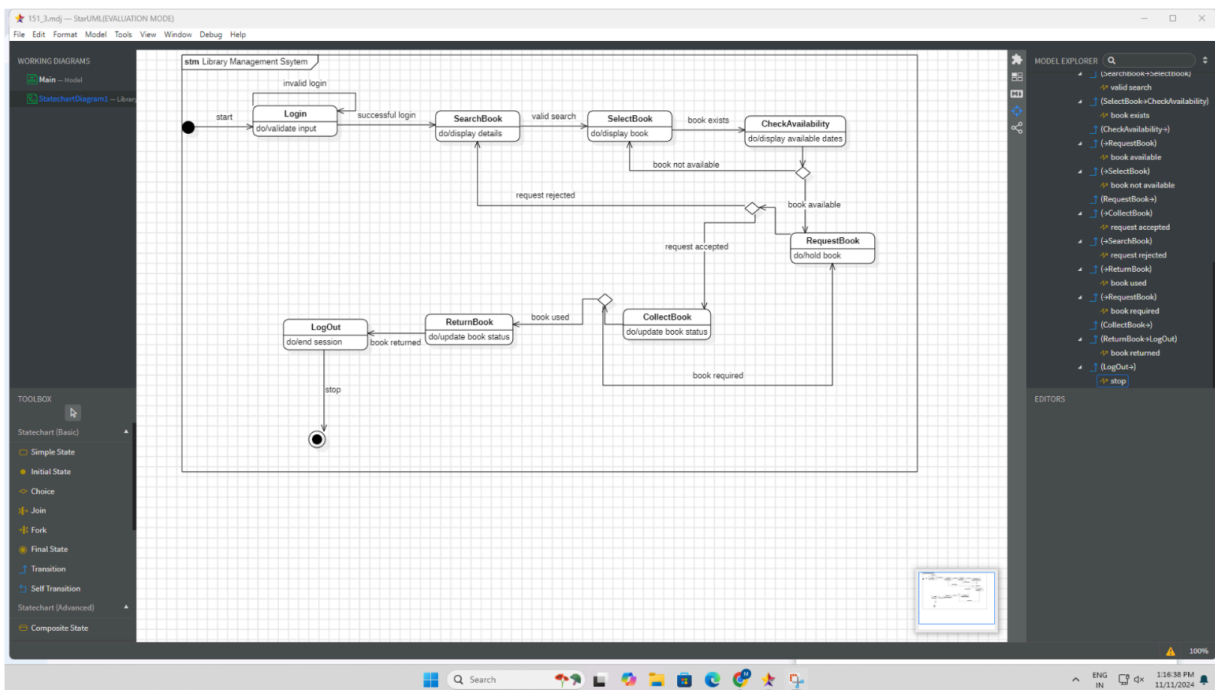State Diagram:BOTH SIMPLE AND ADVANCED

SIMPLE STATE DIAGRAM

ADVANCED STATE MODEL

Library Management System

System initialize

GUI

User login

User Interaction
→ Enter credentials/login, login
Validate user — login failed / login successful

User Dashboard
→ Enter Search query → Explore
Display book
Click book
return request
Verify borrowed books

Book Management
borrow → return → renew

Updated
action complete

Update Record

Payment Processing
View Overdue fine → Previous payments
Payment Successful
was paid

updated bill

Log out