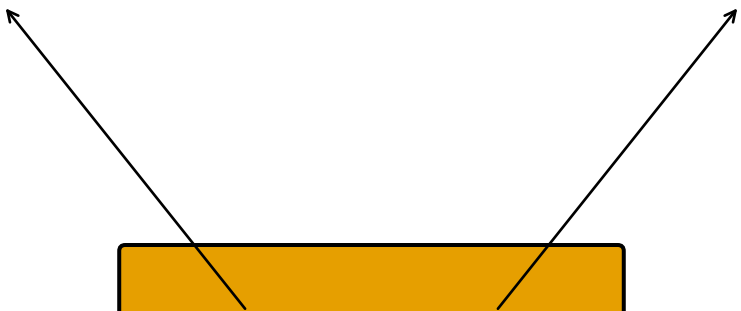


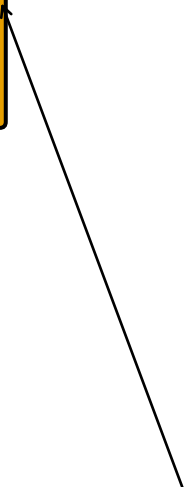
# DFD Level 0 - Library Management System

Member

Supplier



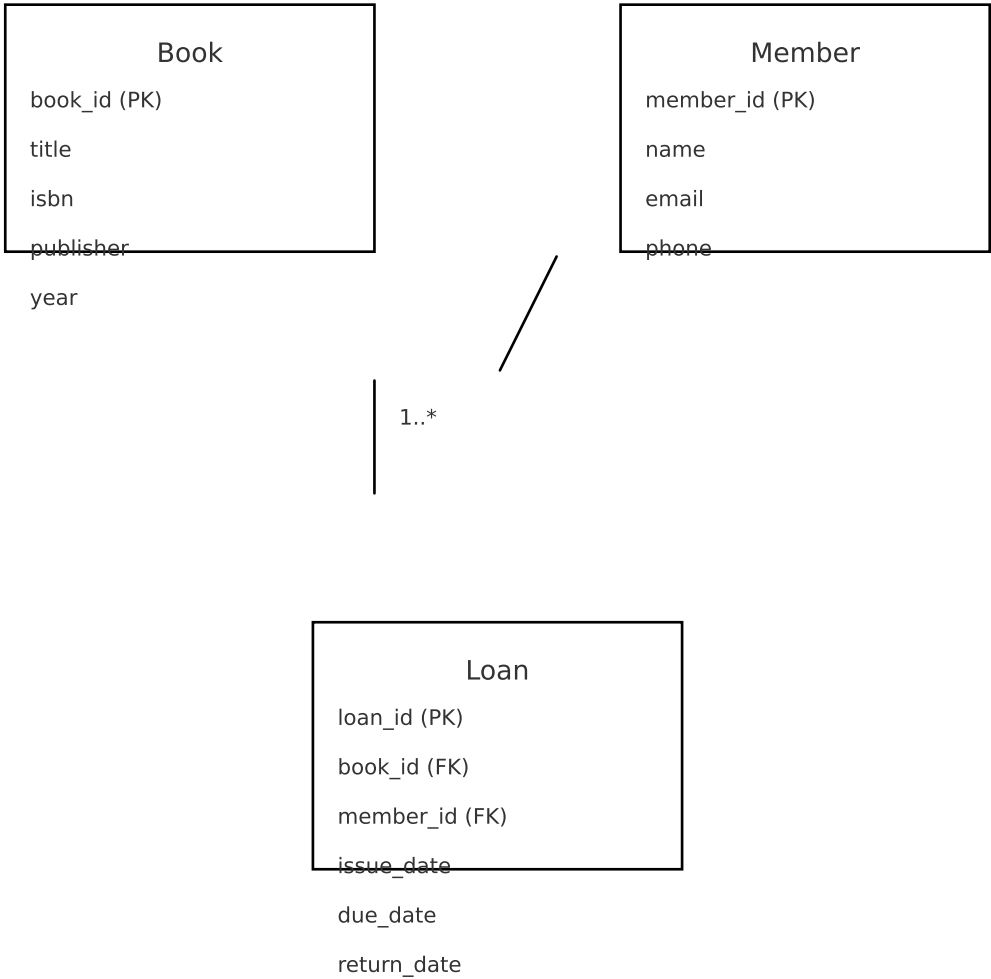
LMS System



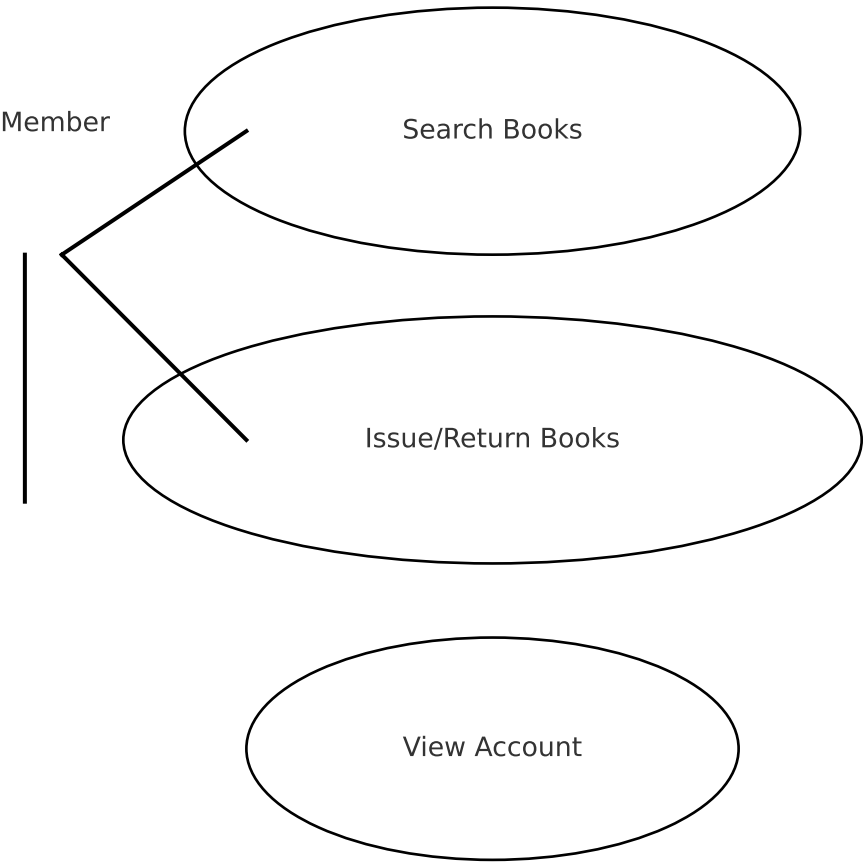
Book Catalog

Member DB

# ER Diagram - Key Entities



# Use Case Diagram - Library Management

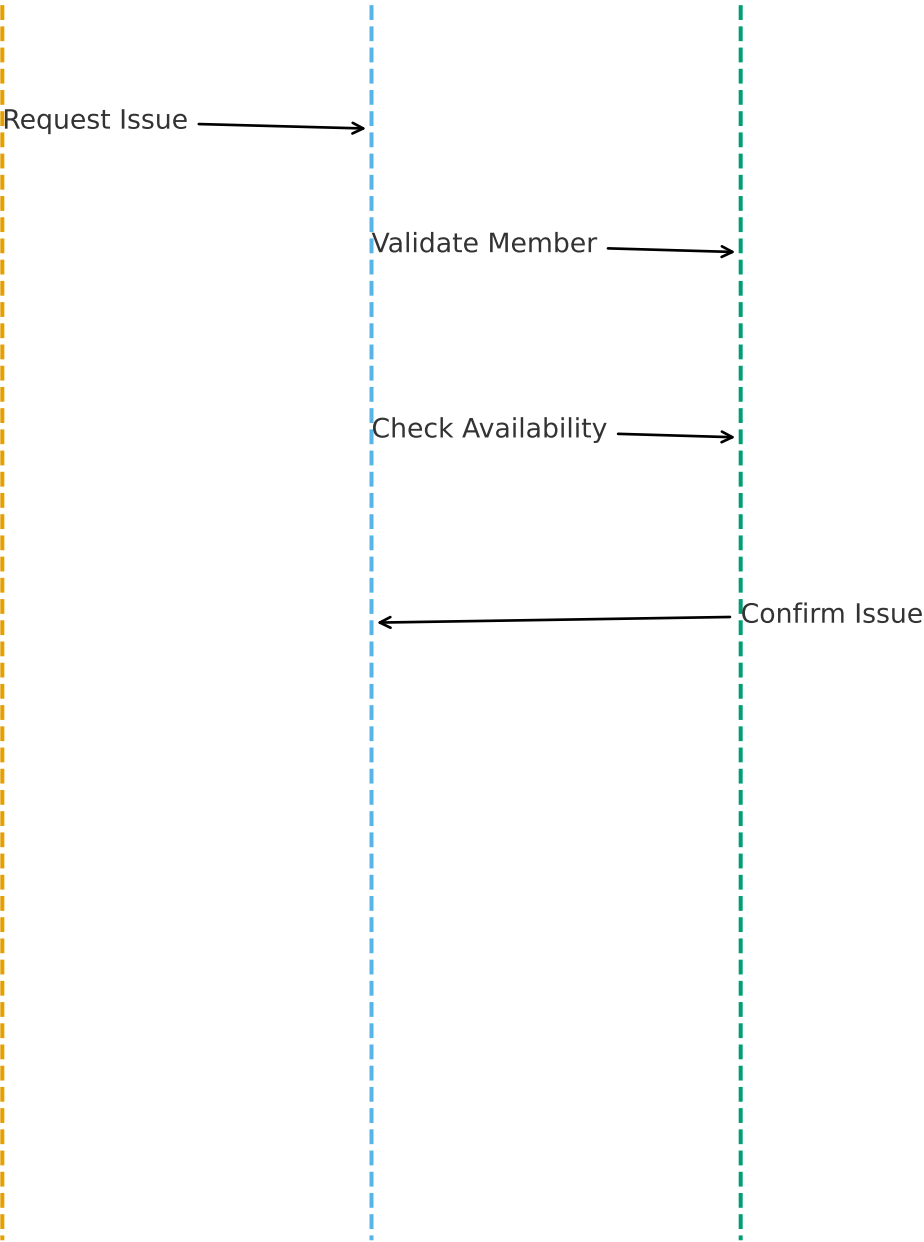


# Sequence Diagram - Issue Book

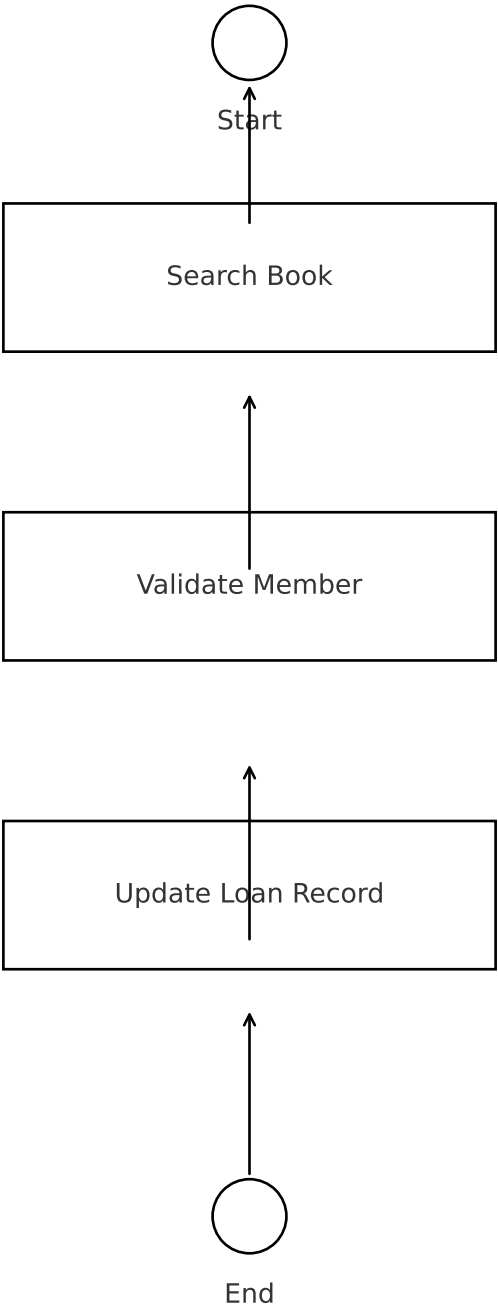
Member

Librarian

System



# Activity Diagram - Issue Book Flow



# Class Diagram - Key Classes

Book	Member	Loan
<div>-book_id:int</div> <div>-title:string</div> <div>+getAvailability()</div>	<div><div>-member_id:int</div><div>-name:string</div><div>+getActiveLoans()</div></div>	<div>-loan_id:int</div> <div>-issue_date:date</div> <div>+calculateFine()</div>