# Library Management System - UML Diagram

## Book

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| Book |
| Attributes: - id: int - title: string - description: string - author: string - status: string - categories: list - ISBN: string - image: string - price: float - quantity: int - borrowable: bool - buyable: bool |
| Methods: + get\_Book\_id(): int + set\_Book\_id(id: int): void + to\_dict(): dict |

## Client

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| Client |
| Attributes: - phone\_num: string - id: int - name: string - age: int - id\_num: string - address: string - reading\_history: list[Order] - orders\_num: int |
| Methods: + get\_reading\_history(): list + set\_reading\_history(list): void + get\_orders\_num(): int + set\_orders\_num(num: int): void + to\_dict(): dict |

## Order

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| Order |
| Attributes: - id: int - date: string - client\_id: int - book\_id: int - status: string - order\_type: string - price: float |
| Methods: + get\_id(): int + set\_id(id: int): void + to\_dict(): dict + from\_dict(data: dict): Order |