



INFORMATICS
INSTITUTE OF
TECHNOLOGY

UML Diagrams

Module : OOP

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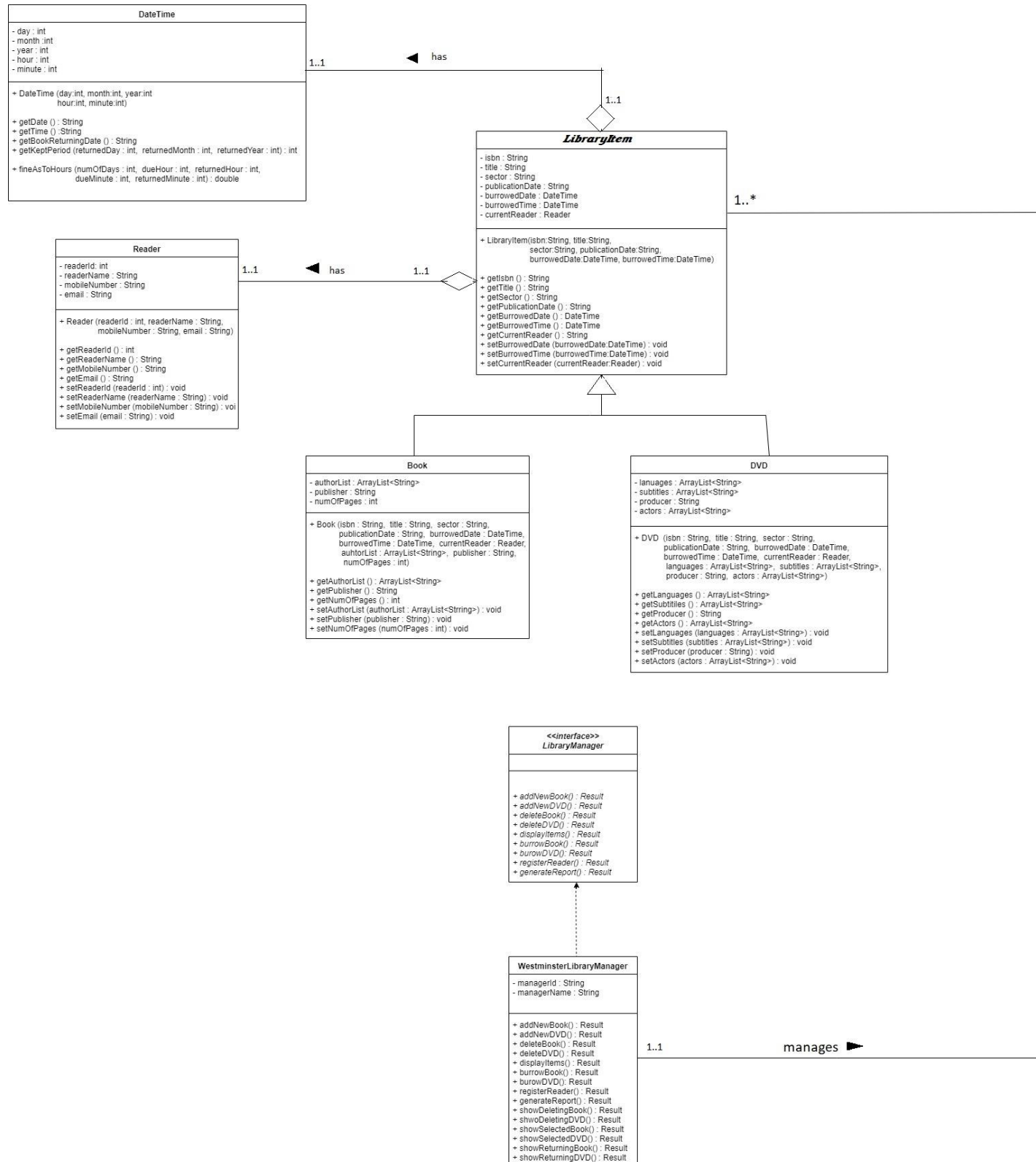
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UML class diagram



Usecase specifications

1. Use case specification : AddItem

1. Describe use case

1.1 Brief description

Add item use case allows the library manager to enter new item in to the data base.

1.2 Actor(s)

Westminster Library Manager

2. flow of events

2.1 basic flow

- 1) The library manager fills the form.
- 2) The library manager send new item data in to data base by clicking the add button.

2.2 alternative flows

No alternative flow for this usecase.

3. Special requirements

All fields should be filled.

4. pre-conditions

There is no pre condition for this use case

5. post conditions

There is no post condition for this use case.

6. Extension points

6.1 First extension point : null text fields

This extension is invoked if any compulsory text field is empty. This stops the process of saving details to the data base.

6.2 Second extension point : no available slots

This extension is invoked if there is no more available slot to save a new item.

1. Use case specification : issue a borrowing Item

1. Describe use case

1.1 Brief description

This use case allows the user to issue a library item.

1.2 Actor(s)

Westminster library manager

2. flow of events

2.1 basic flow

- 1) the library manager fills the form.
- 2) The library manager presses borrow item button.

2.2 alternative flows

No alternative flow.

3. Special requirements

The item must be available in the current moment.

4. pre-conditions

User should first display the item by clicking view button, before clicking the borrow button.

5. post conditions

There is no post condition for this use case.

6. Extension points

6.1 First extension point : null text fields

This extension is invoked if any compulsory text field is empty. This stops the process of saving details to the data base.