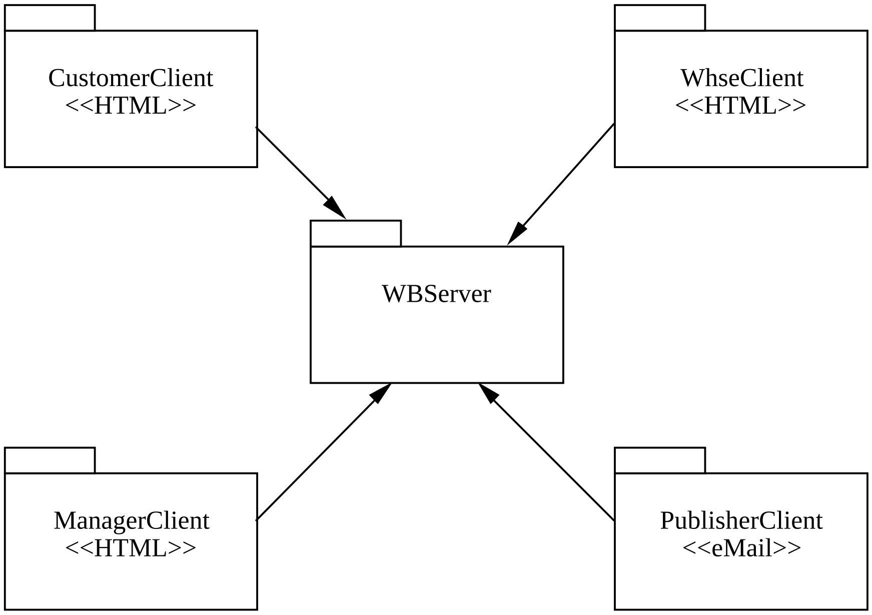
WebBooks: Physical Spec

This is an example UML physical model (a model of the technology) for the WebBooks case study.

Top Level Architecture

The following diagram shows the overall architecture of the WebBooks system



CustomerClient High Level Design

The customer client is a collection of HTML web pages that implement the customer's user interface. This includes pages to login, peruse the book catalog, place book orders, check the status of orders, and cancel orders. For more information see [TBD].

WhseClient High Level Design

The warehouse user client is a collection of HTML web pages that implement the warehouse person's user interface. This includes pages to login, determine which orders are packable, mark orders as being packed, mark orders as being shipped, and mark replenish orders as being received. For more information see [TBD].

ManagerClient High Level Design

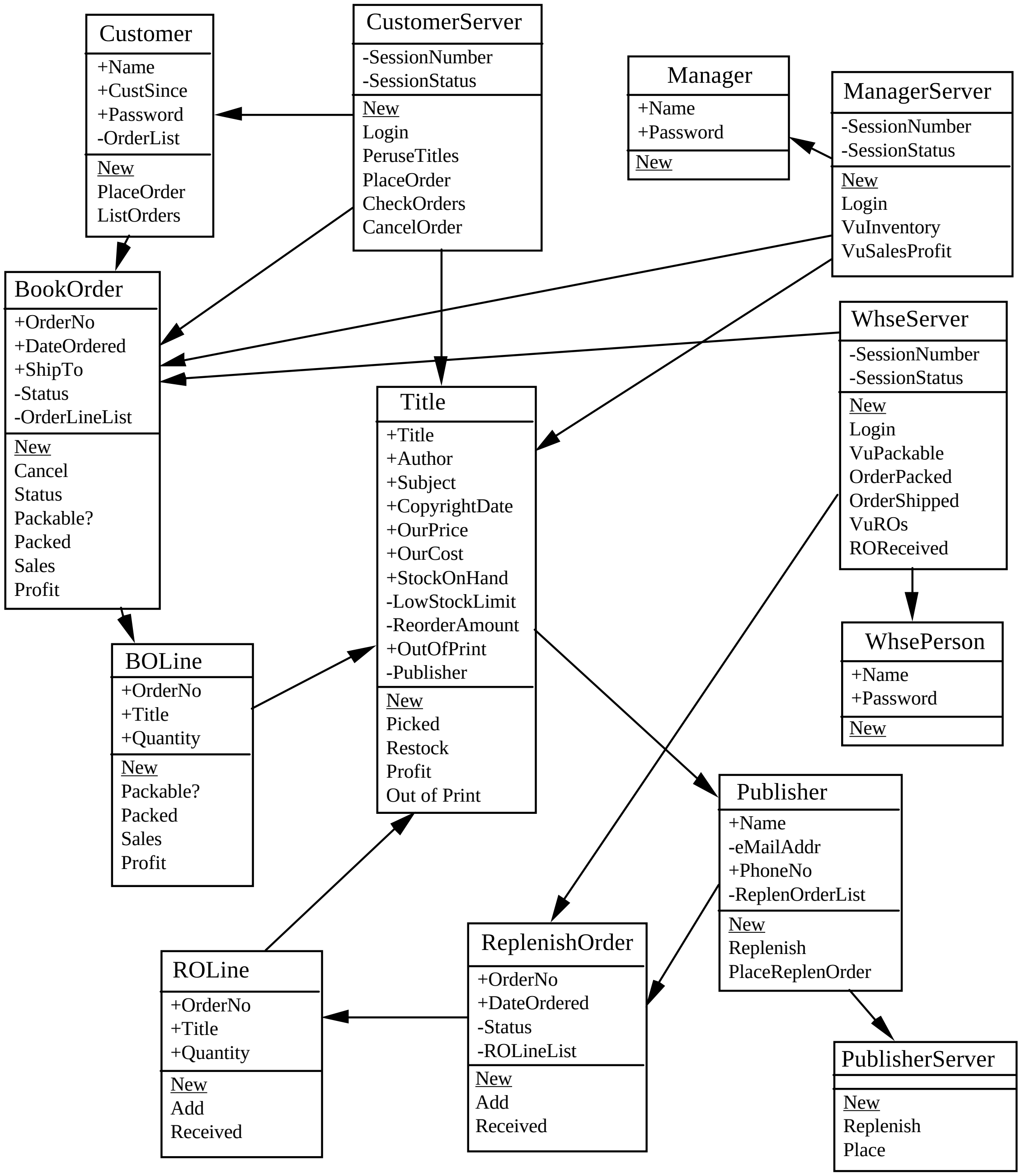
The manager client is a couple of HTML web pages that implement the manager's user interface. There is a page implementing the monthly inventory status report and a page implementing the monthly sales/profit report. For more information see [TBD].

PublisherClient High Level Design

The publisher’s client is a e-mail interface that communicates with the actual Publishers. The WBServer system places replenish orders via e-mail to the publishers and the publishers send e-mail notifications that books have gone out of print. For more information see [TBD].

WBServer High Level Design

The following diagram shows the high level design for the WBServer portion of the WebBooks system



WBServer Class Descriptions

The following sections provide the detailed design descriptions of each of the classes in the WBServer portion of the WebBooks system.

CustomerServer

Provides the driver for the CustomerClient interface

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

Customer

Implements the Customer class and Places association from the conceptual specification

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

ManagerServer

Provides the driver for the ManagerClient interface

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

Manager

Implements the Manager class from the conceptual specification

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

WhseServer

Provides the driver for the WhseClient interface

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

WhsePerson

Implements the Warehouse Person class from the conceptual specification

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

PublisherServer

Provides the e-mail driver for the PublisherClient interface

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

Publisher

Implements the Publisher class from the conceptual specification

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

Title

Implements the Title class and Published By association from the conceptual specification

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

BookOrder

Implements the Book Order class from the conceptual specification

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

BOLine

Implements the Book Order Line class from the conceptual specification

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

ReplenishOrder

Implements the Replenish Order class from the conceptual specification

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]

ROLine

Implements the Replenish Order Line class from the conceptual specification

Operations

[TBD]

Attributes

[TBD]

Methods

[TBD]