# Functional Modeling

This section of the document will model the functional requirements of the product based on the following use cases:

* Adding a Non-Order Record
* Creating an Order
* Removing Any Record
* Adjusting Any Record
* Listing All Records of a Given Type
* Searching for a Record

## Adding a Book Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the creation of a new book record.

## Adding a Customer Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the creation of a new customer record.

## Adding an Employee Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the creation of a new employee record.

## Adding an Order Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the creation of a new customer record.

## Removing a Book Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the removal of an existing book record from the system.

## Removing a Customer Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the removal of an existing customer record from the system.

## Removing an Employee Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the removal of an existing employee record from the system.

## Removing an Order Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the removal of an existing order record from the system.

## Adjusting a Book Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the adjustment of any property of any existing book record. The most frequent application of this use case involves adjusting the stock quantity or price of a book.

## Adjusting a Customer Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the adjustment of any property of any existing customer record.

## Adjusting an Employee Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the adjustment of any property of any existing employee record.

## Adjusting an Order Record

Functional Requirement Modeled: FR1 – Manipulate a Record

This use case analyzes the adjustment of any property of any existing order record.

## Listing All Records of a Given Type

Functional Requirement Modeled: FR2 – Print List of Records

This use case analyzes the generation of a report listing all records of a single type.

## Searching for a Book Record

Functional Requirement Modeled: FR3 – Search for a Record

This use case analyzes the process of searching for a book record with information such as the ISBN, title, or author.

## Searching for a Customer Record

Functional Requirement Modeled: FR3 – Search for a Record

This use case analyzes the process of searching for a customer record by Member Number.

## Searching for an Employee Record

Functional Requirement Modeled: FR3 – Search for a Record

This use case analyzes the process of searching for an employee record by Employee Number.

## Searching for an Order Record

Functional Requirement Modeled: FR3 – Search for a Record

This use case analyzes the process of searching for an order record by Order Number.