



# Book Record Management Application.

(Client-Sever Web Application)

## **SUBMITTED BY:-**

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## Objective:-

A Book Record Management Client-Server Web Application where we can Perform Following Operations.

- Insert Book
- View All Book Present In Database
- Update Book Record
- Delete The Book Record

## Tools To Be Used:-

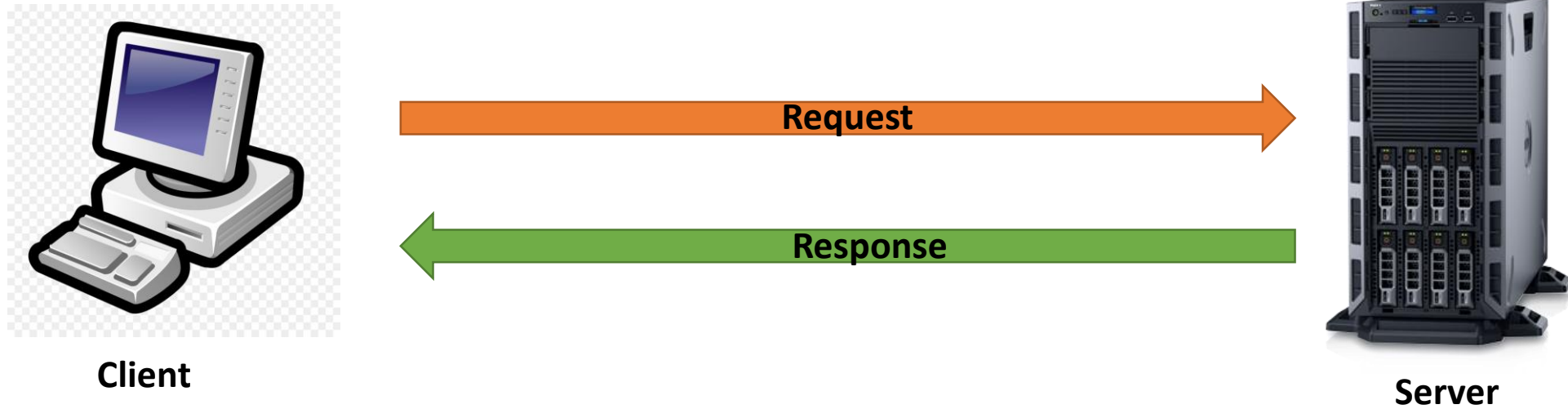
**IDE:-** Eclipse to develop the project.

**Front End:-** HTML, CSS, Bootstrap

**Middle End:-** Servlet

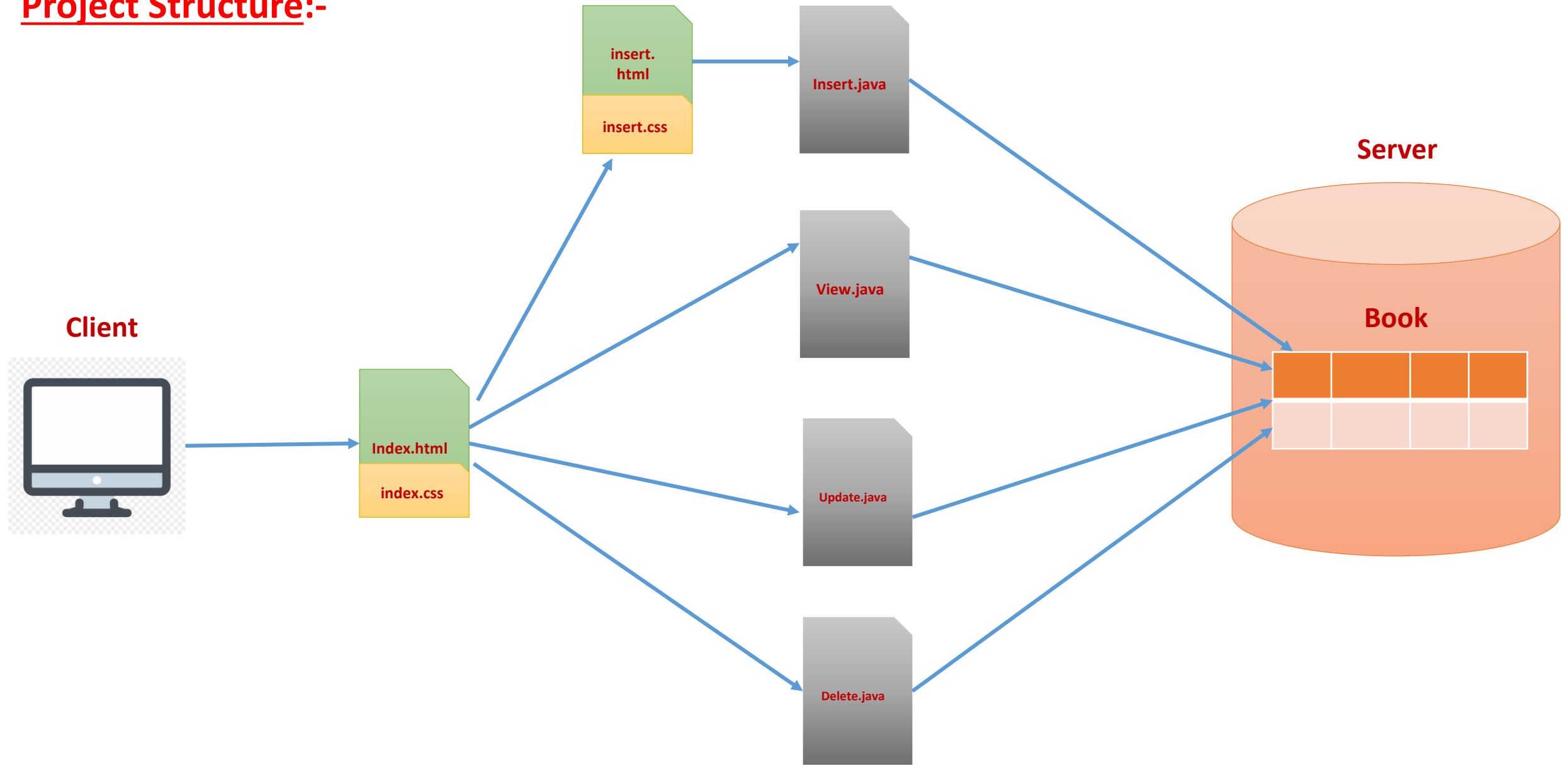
**Backend:-** Oracle 10g express edition

## Client & Server:-



- Client is a computer that connects to and uses the resources of a remote computer, or server. like files, information, songs , videos etc.
- Client is also another name for a software used to connect to a server.
- A client can also be another term used to describe a user.

## Project Structure:-



# Project Page Design

# *Book Record Management System*

Insert Book Record.

View Book Record.

Update Book Record.

Delete Book Record.

# Insert Book Record Form



Book ID:

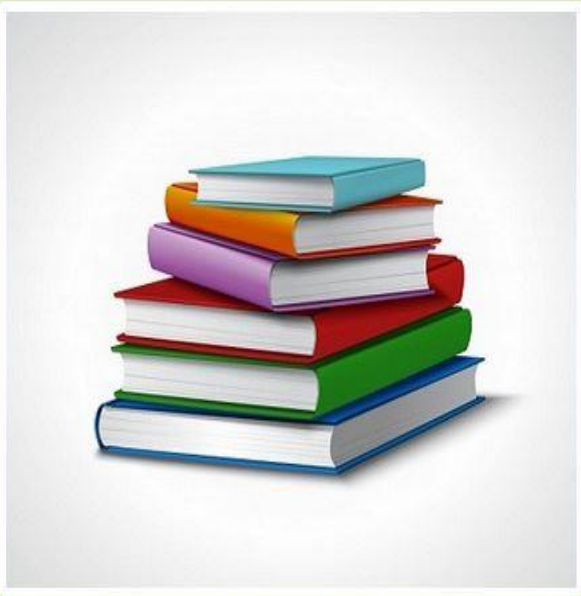
Book Name:

Authore  
Name:

Book Price:

Insert Record

Reset



♥A room without books is like a body without a soul.♥

Go To Home Page?  
[Click Here](#)

[View.java](#)

## Book Record Present In Database

Book ID	Book Name	Book Authore	Book Price
1001	Complete Core Java	Vinod Kumar Singh	729.36
1002	Complete SQL Reference	guru99	897.56
1003	Let Us C	Yaswant KKTR	324.24
1004	Principle of Networking	Hussian Jain	550.32
1005	Complete C	B.J.SINGH	897.6
1006	Data Base Managment System	H.F.korth	678.89
1007	Data Mining & Ware House	Pooja Kumari	899.0
1008	Introduction To Computer	S Chand	563.23



# Update.java

## Update Book Record Present In Database

Book ID	Book Name	Book Authore	Book Price
1001	Complete Core Java	Vinod Kumar Singh	729.36
1002	Complete SQL Reference	guru99	897.56
1003	Let Us C	Yaswant KKTR	324.24
1004	Principle of Networking	Hussian Jain	550.32
1005	Complete C	B.J.SINGH	897.6
1006	Data Base Managment System	H.F.korth	678.89
1007	Data Mining & Ware House	Pooja Kumari	899
1008	Introduction To Computer	S Chand	563.23
1009	Introduction To Physics	Sri Vastav	118
1012	The Art of Computer Programming	Willimin Smith	189
1010	Intodunction To Algorithm	H.F. Corman	897
1011	The C Programming	B.F.Josef	325
1013	Clean Code	Kamal Roy	155
1014	Design Pattern	Decoder Roy	563.23
1015	Effective Java	Joshef Bolch	144.23

Fill The Book ID Correct Manner For Updating Table And Also Insert Updated Values.

Book ID:

Book Name:

Book Authore:

Book Price:

Submit

Reset

Go To Home Page?[Click Here](#)

# Delete.java

## Delete Book Record Present In Database

Book ID	Book Name	Book Authore	Book Price
1001	Complete Core Java	Vinod Kumar Singh	729.36
1002	Complete SQL Reference	guru99	897.56
1003	Let Us C	Yaswant KKTR	324.24
1004	Principle of Networking	Hussian Jain	550.32
1005	Complete C	B.J.SINGH	897.6
1006	Data Base Managment System	H.F.korth	678.89
1007	Data Mining & Ware House	Pooja Kumari	899
1008	Introduction To Computer	S Chand	563.23
1009	Introduction To Physics	Sri Vastav	118
1012	The Art of Computer Programming	Willimin Smith	189
1010	Intoduction To Algorithm	H.F. Corman	897
1011	The C Programming	B.F.Josef	325
1013	Clean Code	Kamal Roy	155
1014	Design Pattern	Decoder Roy	563.23
1015	Effective Java	Joshef Bolch	144.23

### Fill The Book ID For Delete A Record.

Book ID:

Submit

Reset

Go To Home Page?[Click Here](#)

# Project Working Flow

# **1. Insert Book Record**

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/>

### Book Record Management System

Insert Book Record.

View Book Record.

Update Book Record.

Delete Book Record.

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Client enter the URL in browser.  
insert.html page

Request

Response

## Server

### RAM

Server Software(Apache Tomcat)

Web container

index.html

insert.html

View.java

Insert.java

Update.java

Delete.java

### HDD

Book  
Database

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/insert.html>

Insert Book Record Form

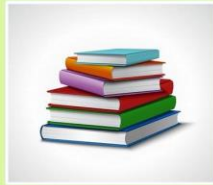


Book ID:

Book Name:

Authore Name:

Book Price:



♥A room without books is like a body without a soul.♥

[Go To Home Page?](#)  
[Click Here](#)

Click on the “Insert Book Record”  
Insert.java Page

Request

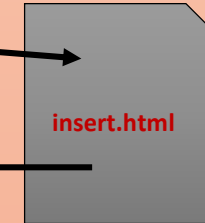
Response

## Server

### RAM

Server Software(Apache Tomcat)

Web container



### HDD

Book  
Database

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/insert.html>

Insert Book Record Form



Book ID:	<input type="text" value="1001"/>
Book Name:	<input type="text" value="The C Language"/>
Authore Name:	<input type="text" value="Ravi Ranjan"/>
Book Price:	<input type="text" value="324.56"/>
<input type="button" value="Insert Record"/> <input type="button" value="Reset"/>	



♥A room without books is like a body without a soul.♥

Go To Home Page?  
[Click Here](#)

**Enter The Details &  
Click On Submit Record**

**Request**

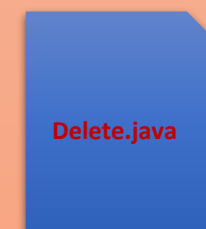
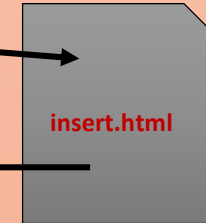
**Response**

## Server

### RAM

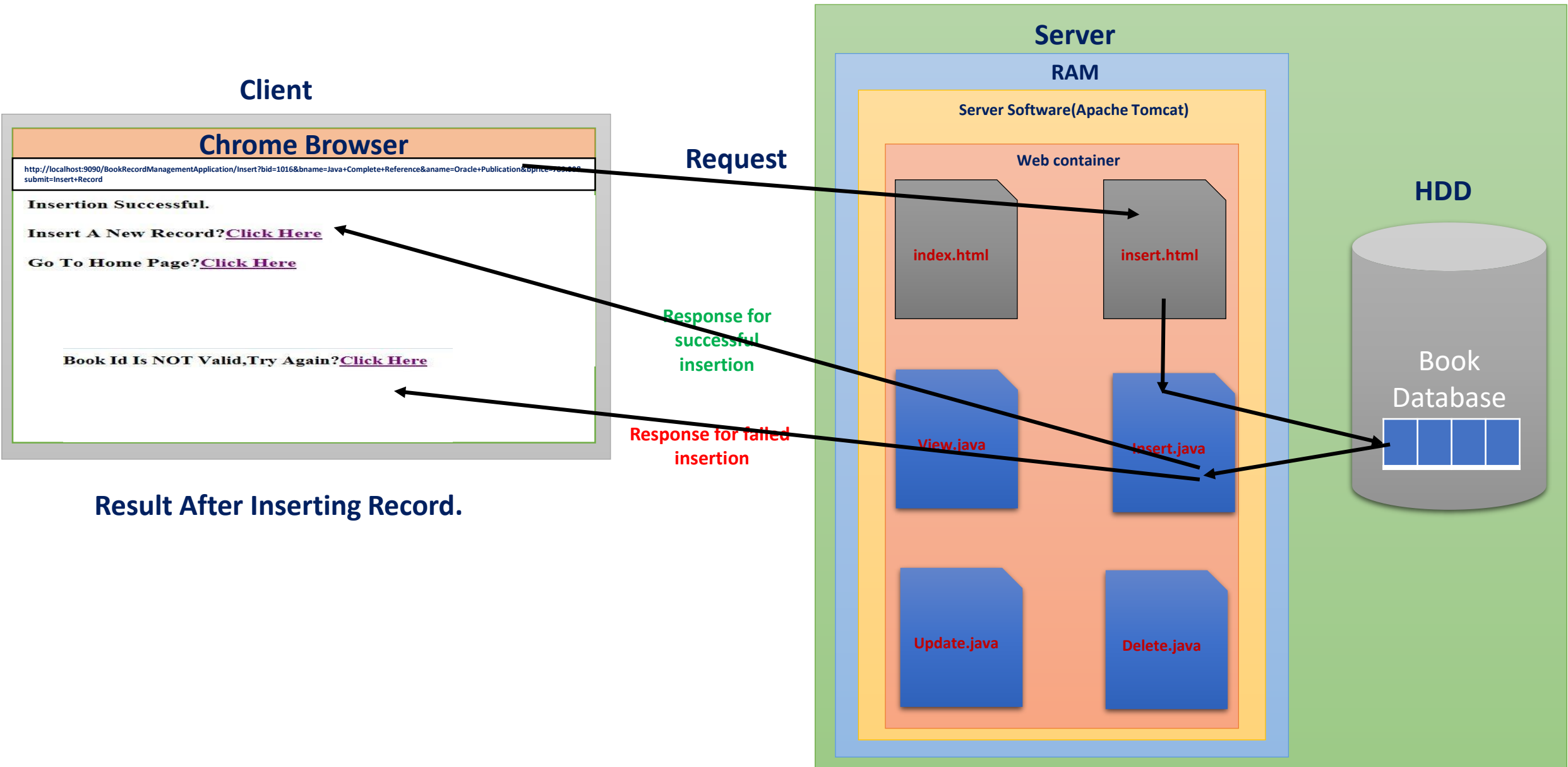
Server Software(Apache Tomcat)

Web container



### HDD

Book  
Database





## **2. View Book Record**

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/>

### Book Record Management System

Insert Book Record.

View Book Record.

Update Book Record.

Delete Book Record.

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Request

Response

Client enter the URL in browser.  
insert.html Page  
& Click On View Book Record

## Server

### RAM

Server Software(Apache Tomcat)

Web container

index.html

insert.html

View.java

Insert.java

Update.java

Delete.java

### HDD

Book  
Database

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/View>

#### Book Record Present In Database

Book ID	Book Name	Book Authore	Book Price
1001	Complete Core Java	Vinod Kumar Singh	729.36
1002	Complete SQL Reference	guru99	887.56
1003	Let Us C	Yaswant KKTR	324.24
1004	Principle of Networking	Hussian Jain	550.32
1005	Complete C	B.J.SINGH	897.6
1006	Data Base Management System	H.F.korith	678.89
1007	Data Mining & Ware House	Pooja Kumari	899.0
1008	Introduction To Computer	S Chand	563.23

### View.java Page

Request

Response

## Server

### RAM

#### Server Software(Apache Tomcat)

#### Web container

index.html

insert.html

View.java

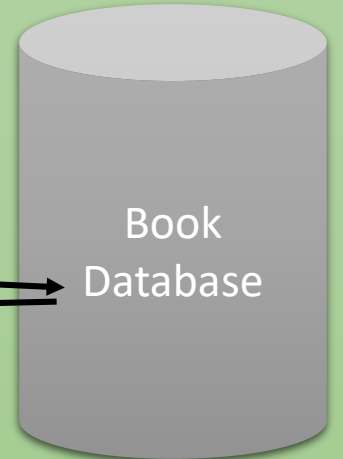
Insert.java

Update.java

Delete.java

## HDD

Book Database



### **3. Update Book Record**

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/>

### Book Record Management System

Insert Book Record.

View Book Record.

Update Book Record.

Delete Book Record.

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Request

Response

Client enter the URL in browser.  
insert.html Page  
& Click On Update Book Record

## Server

### RAM

Server Software(Apache Tomcat)

Web container

index.html

insert.html

View.java

Insert.java

Update.java

Delete.java

### HDD

Book  
Database

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/Update>

#### Update Book Record Present In Database

Book ID	Book Name	Book Author	Book Price
1001	Complete Core Java	Vinod Kumar Singh	720.50
1002	Complete SQL Reference	guru99	287.99
1003	Let Us C	Yashwant KOTRI	324.24
1004	Principles of Networking	Hussain Jain	680.33
1005	Complete C++	B.J. Srinivas	697.6
1006	Data Base Management System	H.P. Korth	979.99
1007	Data Mining & Ware House	Pooja Kumar	999
1008	Introduction To Computer	S. Chandra	993.23
1009	Introduction To Physics	Sri Master	119
1010	The Art of Computer Programming	Velluvu Smith	189
1011	Introduction To Algorithm	H.P. Corman	907
1012	The C Programming	B.P. Joshi	233
1013	Clean Code	Karnal Roy	108
1014	Design Pattern	Deveder Roy	993.23
1015	Effective Java	Joshua Bloch	144.23

Fill The Book ID Correct Manner For Updating Table And Also Insert Updated Values.

Book ID:

Book Name:

Book Author:

Book Price:

[Go To Home Page](#) [Click Here](#)

Update Record Page  
Update.java Page

Request

Response

## Server

### RAM

#### Server Software(Apache Tomcat)

#### Web container

index.html

insert.html

View.java

Insert.java

Update.java

Delete.java

### HDD

Book  
Database

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/Update>

#### Update Book Record Present In Database

Book ID	Book Name	Book Author	Book Price
1001	Complete Core Java	Vinod Kumar Singh	720.26
1002	Complete SQL Reference	Gurudev	897.68
1003	Let Us C	Yashwant KOTR	324.24
1004	Principles of Networking	Hussain Jali	860.32
1005	Complete C	B. J. Rishley	897.6
1006	Data Base Management System	H.P.Korth	978.89
1007	Data Mining & Ware House	Raja Kurnati	899
1008	Introduction To Computer	S.Chand	803.23
1009	Introduction To Physics	Sri Vastav	118
1012	The Art of Computer Programming	William Smith	180
1010	Introduction To Algorithm	H.P. Cormack	997
1011	The C Programming	B.P.Joseph	320
1013	Clean Code	Kamal Roy	155
1014	Design Pattern	Debasmit Ray	503.23
1016	Effective Java	Joshua Bloch	144.23
1018	Java Complete Reference	Oracle Publication	760

Fill The Book ID Correct Manner For Updating Table And Also Insert Updated Values.

Book ID:

Book Name:

Book Author:

Book Price:

[Go To Home Page?Click Here](#)

Request

Response

## Server

### RAM

#### Server Software(Apache Tomcat)

#### Web container

index.html

insert.html

View.java

Insert.java

Update.java

Delete.java

### HDD

Book Database

Enter The Updated Details  
& Click On submit

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/Update>

Fill The Book ID Correct Manner For Updating Table And Also Insert Updated Values.

Book ID:

Book Name:

Book Author:

Book Price:

Submit

Reset

Record Updation Successfully  
Go To Home Page?Click Here

If updating is successfully

Request

Response

## Server

### RAM

Server Software(Apache Tomcat)

Web container

index.html

insert.html

View.java

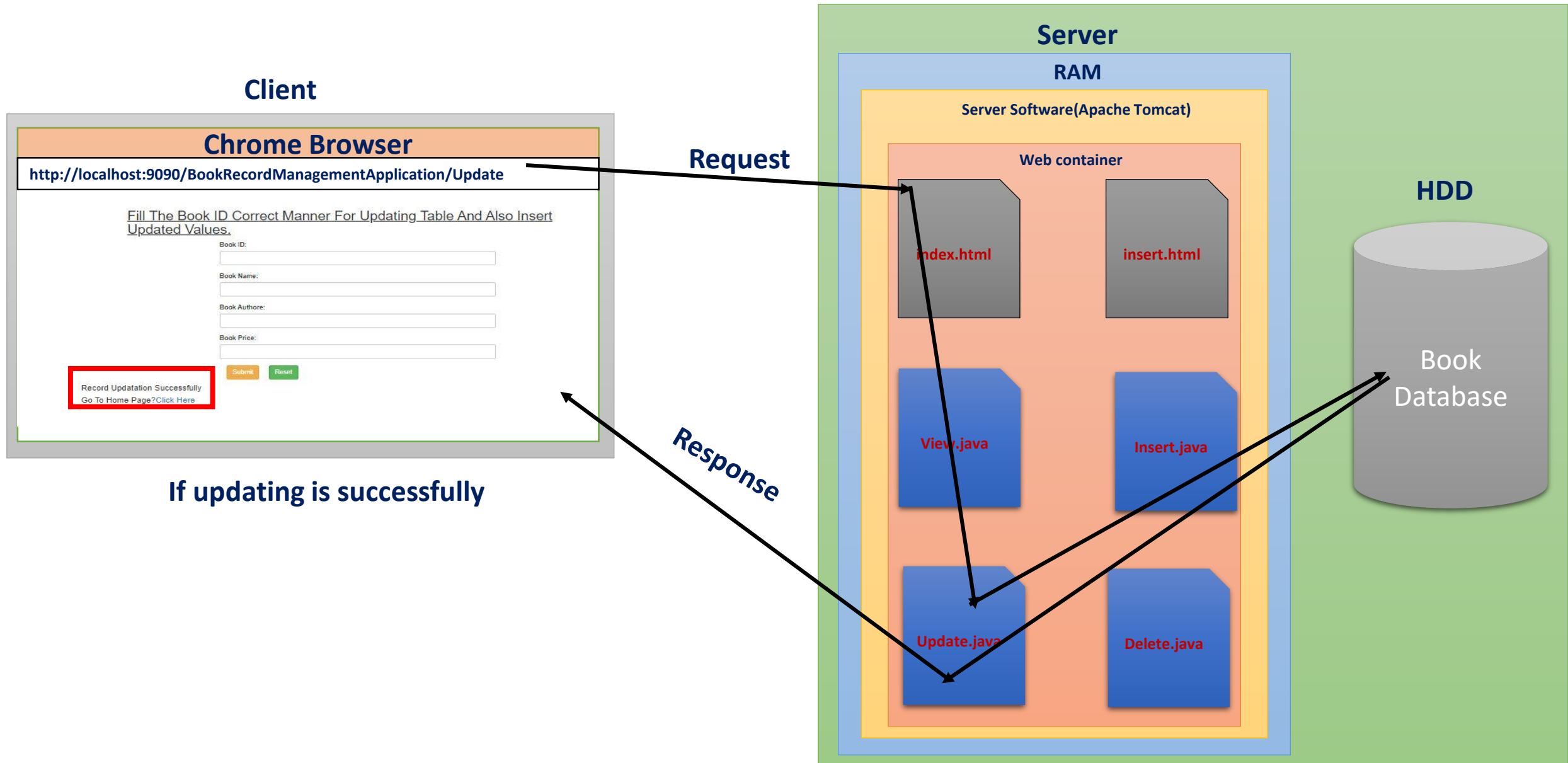
Insert.java

Update.java

Delete.java

### HDD

Book Database





## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/Update>

Fill The Book ID Correct Manner For Updating Table And Also Insert Updated Values.

Book ID:

Book Name:

Book Author:

Book Price:

Submit

Reset

Record Update Is Failed.  
Go To Home Page?Click Here

If updating is failed

Request

Response

## Server

### RAM

Server Software(Apache Tomcat)

Web container

index.html

insert.html

View.java

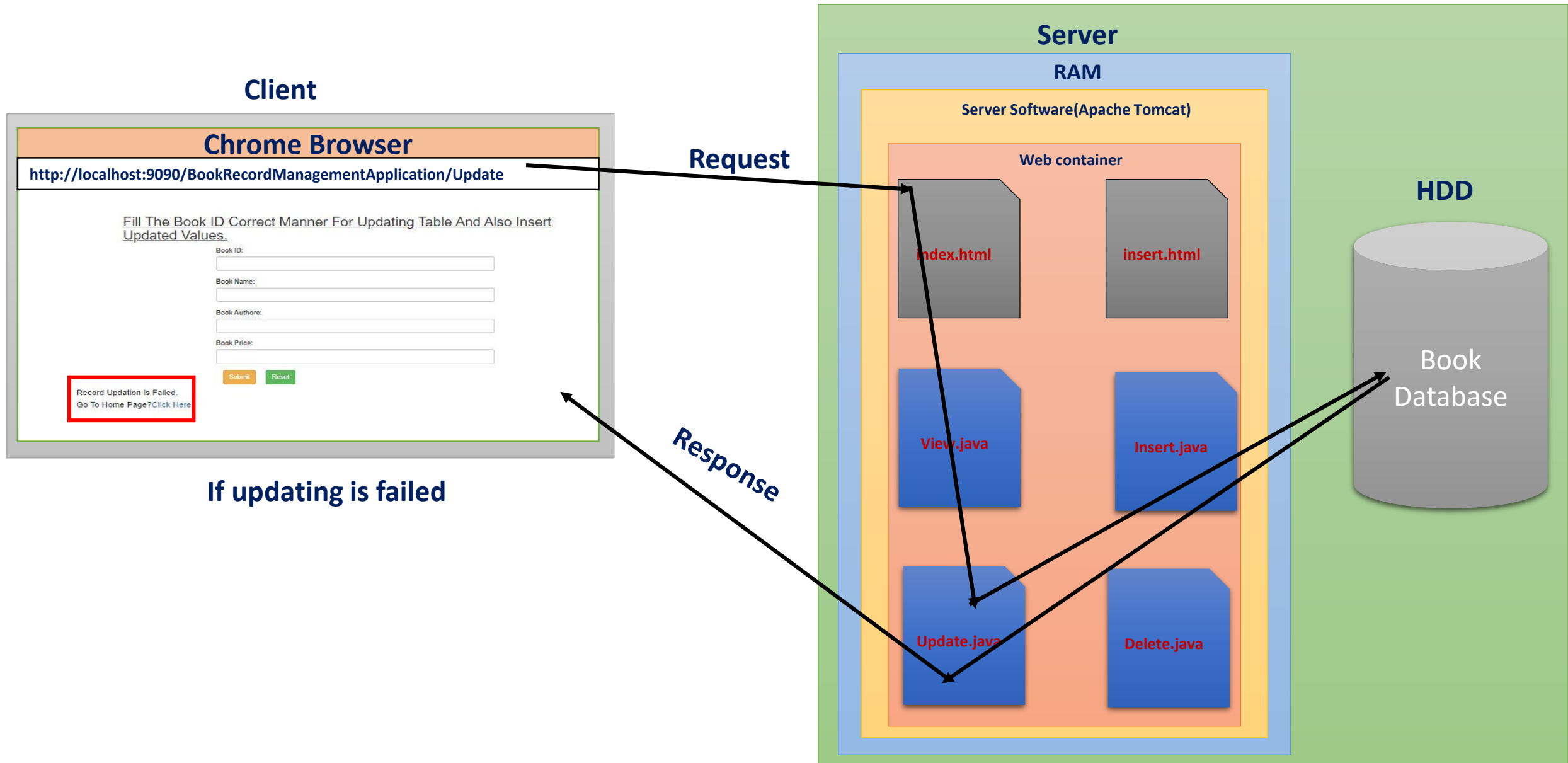
Insert.java

Update.java

Delete.java

### HDD

Book Database



## **4. Delete Book Record**

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/>

### Book Record Management System

Insert Book Record.

View Book Record.

Update Book Record.

Delete Book Record.

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Request

Response

Client enter the URL in browser.  
index.html Page  
Click on Delete Book Record

## Server

### RAM

Server Software(Apache Tomcat)

Web container

index.html

insert.html

View.java

Insert.java

Update.java

Delete.java

### HDD

Book  
Database

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/Delete>

#### Delete Book Record Present In Database

Book ID	Book Name	Book Author	Book Price
1001	Complete Core Java	Vinod Kumar Singh	720.30
1002	Complete SQL Reference	guru99	597.55
1003	Let Us C	Yaswanth KOTR	324.24
1004	Principle of Networking	Hussain Jan	550.32
1005	Complete C	B.J.SINGH	597.5
1006	Data Base Management System	H.P.korth	678.59
1007	Data Mining & Ware House	Pooja Kumari	350
1008	Introduction To Computer	S Chand	553.23
1009	Introduction To Physics	Sri Vastav	118
1010	The Art of Computer Programming	William Smith	150
1011	Introduction To Algorithm	H.P. Corman	597
1012	The C Programming	B.P.Josef	328
1013	Clean Code	Kamal Roy	155
1014	Design Pattern	Decoder Roy	553.23
1015	Effective Java	Joshua Bloch	144.23

Fill The Book ID For Delete A Record.

Book ID:

[Go To Home Page?Click Here](#)

### Delete.java Page

Request

Response

## Server

### RAM

#### Server Software(Apache Tomcat)

#### Web container

index.html

insert.html

View.java

Insert.java

Update.java

Delete.java

### HDD

Book  
Database

## Client

### Chrome Browser

<http://localhost:9090/BookRecordManagementApplication/Delete>

#### Delete Book Record Present In Database

Book ID	Book Name	Book Author	Book Price
1001	Complete Core Java	Vinod Kumar Singh	729.35
1002	Complete SQL Reference	guru99	897.55
1003	Let Us C	Yaswanth HKTR	324.24
1004	Principle of Networking	Hussien Jelin	850.33
1005	Complete C	B.J.SINGH	897.8
1006	Data Base Management System	H.F.karthi	678.69
1007	Data Mining & Ware House	Pooja Kumari	899
1008	Introduction To Computer	S.Chand	553.23
1009	Introduction To Physics	Sri Vastav	118
1010	The Art of Computer Programming	William Smith	189
1011	Introduction To Algorithm	H.F. Corman	897
1012	The C Programming	B.P.Josaf	325
1013	Clean Code	Kamal Roy	155
1014	Design Pattern	Decoder Roy	553.23
1015	Effective Java	Joshua Bloch	144.23
1016	Java Black Book	H.F. Corman	789.55

Fill The Book ID For Delete A Record.

Book ID:

1016

Submit

Reset

Go To Home Page?Click Here

Enter the Book ID & click on submit

Request

Response

## Server

### RAM

#### Server Software(Apache Tomcat)

#### Web container

index.html

insert.html

View.java

Insert.java

Update.java

Delete.java

### HDD

Book Database

## Client

### Chrome Browser

http://localhost:9090/BookRecordManagementApplication/Delete

Fill The Book ID For Delete A Record.

Book ID:

Submit

Reset

Record Deletion Successfully  
Go To Home Page? [Click Here](#)

If Successful Deletion

Request

Response

## Server

### RAM

Server Software(Apache Tomcat)

Web container

index.html

insert.html

View.java

Insert.java

Update.java

Delete.java

### HDD

Book  
Database

## Client

### Chrome Browser

http://localhost:9090/BookRecordManagementApplication/Delete

Fill The Book ID For Delete A Record.

Book ID:

Submit

Reset

Record Deletion Failed.  
Go To Home Page?[Click Here](#)

If Deletion Failed

Request

Response

## Server

### RAM

Server Software(Apache Tomcat)

Web container

index.html

insert.html

View.java

Insert.java

Update.java

Delete.java

### HDD

Book  
Database

**Thank You!**