

EduBridge



**A
Project Report
on**

Forestry Management System

By

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Batch: - 2020 – 5072

Center: - Mumbai-Thane

Under the Guidance of,

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Introduction:

In the proposed Forestry Management System the forest business will be maintained through the system. The order will be placed on the system and the manager of the forest will then send the timber to the plant. If the timber will be not good enough to be used, then it will be resent to the forest department. Where these will be sent to the wood mills for the carpentry. As all the operations is conducted from the Forestry Management System the forest manager will get all the information on business from the software. Which will make the system easy to maintain with the reduction in cost and time. The Forestry Management System will also contain the information of the customer so that it the manager can contact with them from the system to make the communication between the manager and the customer.

Software Requirements:

Front end: Java/J2EE technologies (Servlet, JSP), HTML, CSS, Bootstrap, JDBC.

Back end: MySQL.

Server: ApacheTomcatv9.0V

IDE: Eclipse IDE for Java EE Developers

Browser: Best result on Google Chrome Operating System: Window 10.
Operating System: Window 10.

DataBase:

```
CREATE TABLE `contract` (  
  `ContractNo` int NOT NULL,  
  `Customer_id` float DEFAULT NULL,  
  `Product_id` int DEFAULT NULL,  
  `Haulier_id` int DEFAULT NULL,  
  `Delivery_Date` varchar(10) DEFAULT NULL,  
  `Delivery_Day` varchar(20) DEFAULT NULL,  
  `Quantity` bigint DEFAULT NULL,  
  PRIMARY KEY (`ContractNo`),  
  KEY `customerId_fk1` (`Customer_id`),  
  KEY `productId_fk1` (`Product_id`),  
  KEY `haulierId_fk1` (`Haulier_id`),  
  CONSTRAINT `customerId_fk1` FOREIGN KEY (`Customer_id`) REFERENCES  
`customer` (`Customer_id`),  
  CONSTRAINT `haulierId_fk1` FOREIGN KEY (`Haulier_id`) REFERENCES  
`haulier` (`Haulier_id`),  
  CONSTRAINT `productId_fk1` FOREIGN KEY (`Product_id`) REFERENCES  
`product` (`Product_id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4  
COLLATE=utf8mb4_0900_ai_ci;  
/*!40101 SET character_set_client = @saved_cs_client */;  
  
--  
-- Dumping data for table `contract`  
--  
  
LOCK TABLES `contract` WRITE;  
/*!40000 ALTER TABLE `contract` DISABLE KEYS */;  
/*!40000 ALTER TABLE `contract` ENABLE KEYS */;  
UNLOCK TABLES;  
  
--  
-- Table structure for table `customer`
```

--

```
DROP TABLE IF EXISTS `customer`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `customer` (
  `Customer_id` float NOT NULL,
  `Customer_Name` varchar(120) DEFAULT NULL,
  `StreetAddress1` varchar(120) DEFAULT NULL,
  `StreetAddress2` varchar(20) DEFAULT NULL,
  `Town_City` varchar(20) DEFAULT NULL,
  `Postcode` varchar(20) DEFAULT NULL,
  `TelephoneNo` bigint DEFAULT NULL,
  `Email` varchar(40) DEFAULT NULL,
  PRIMARY KEY (`Customer_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;
```

--

-- Dumping data for table `customer`

--

```
LOCK TABLES `customer` WRITE;
/*!40000 ALTER TABLE `customer` DISABLE KEYS */;
INSERT INTO `customer` VALUES (101,'Kishor
Kadam','Wakad','Pune','Pune','411033',255200,'kadamk33@gmail.com');
/*!40000 ALTER TABLE `customer` ENABLE KEYS */;
UNLOCK TABLES;
```

--

-- Table structure for table `haulier`

--

```
DROP TABLE IF EXISTS `haulier`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `haulier` (
  `Haulier_id` int NOT NULL,
  `Haulier_Name` varchar(50) DEFAULT NULL,
```

```
`StreetAddress1` varchar(50) DEFAULT NULL,  
`StreetAddress2` varchar(50) DEFAULT NULL,  
`Town_City` varchar(50) DEFAULT NULL,  
`Postcode` varchar(50) DEFAULT NULL,  
`TelephoneNo` bigint DEFAULT NULL,  
`Email` varchar(50) DEFAULT NULL,  
PRIMARY KEY (`Haulier_id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4  
COLLATE=utf8mb4_0900_ai_ci;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--  
-- Dumping data for table `haulier`  
--
```

```
LOCK TABLES `haulier` WRITE;  
/*!40000 ALTER TABLE `haulier` DISABLE KEYS */;  
/*!40000 ALTER TABLE `haulier` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `orders`  
--
```

```
DROP TABLE IF EXISTS `orders`;  
/*!40101 SET @saved_cs_client = @@character_set_client */;  
/*!50503 SET character_set_client = utf8mb4 */;  
CREATE TABLE `orders` (  
  `OrderNo` int NOT NULL,  
  `Customer_id` float DEFAULT NULL,  
  `Product_id` int DEFAULT NULL,  
  `Haulier_id` int DEFAULT NULL,  
  `Delivery_Date` varchar(10) DEFAULT NULL,  
  `Quantity` int DEFAULT NULL,  
  PRIMARY KEY (`OrderNo`),  
  KEY `customerId_fk` (`Customer_id`),  
  KEY `productId_fk` (`Product_id`),  
  KEY `haulierId_fk` (`Haulier_id`),  
  CONSTRAINT `customerId_fk` FOREIGN KEY (`Customer_id`)  
REFERENCES `customer` (`Customer_id`),
```

```
CONSTRAINT `haulierId_fk` FOREIGN KEY (`Haulier_id`) REFERENCES
`haulier` (`Haulier_id`),
CONSTRAINT `productId_fk` FOREIGN KEY (`Product_id`) REFERENCES
`product` (`Product_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `orders`
--
```

```
LOCK TABLES `orders` WRITE;
/*!40000 ALTER TABLE `orders` DISABLE KEYS */;
/*!40000 ALTER TABLE `orders` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `product`
--
```

```
DROP TABLE IF EXISTS `product`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `product` (
  `Product_id` int NOT NULL,
  `Product_Name` varchar(40) DEFAULT NULL,
  `Product_Description` varchar(40) DEFAULT NULL,
  PRIMARY KEY (`Product_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;
```

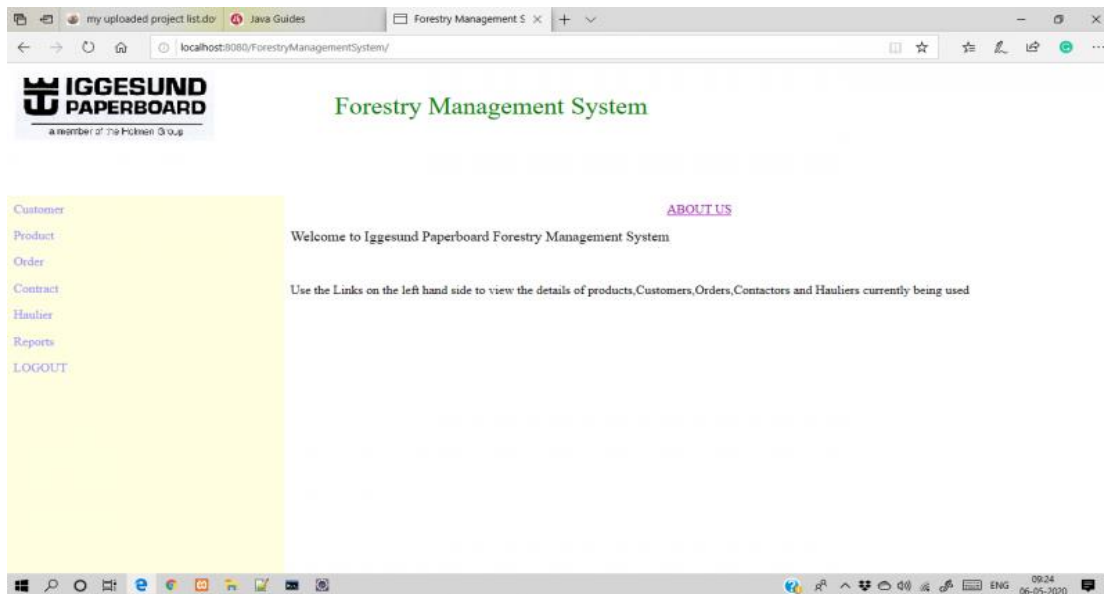
```
--
-- Dumping data for table `product`
--
```

```
LOCK TABLES `product` WRITE;
/*!40000 ALTER TABLE `product` DISABLE KEYS */;
INSERT INTO `product` VALUES (201,'HP Laptop','1 TB Hardisk, 8 GB RAM');
```

```
/*!40000 ALTER TABLE `product` ENABLE KEYS */;  
UNLOCK TABLES;
```

Modules and Description Of Project: Forestry Management System

1.Homepage Layout: This is the homepage which will provide detailed information about the customer, product, order, contract , handler and reports. top menus allow the user to access all aspects of the system. By clicking on 'Forestry Management System' or the Iggesund Paperboard logo on the top title bar the user can easily return to the homepage,



2.Customer Details:

Selecting the 'Customer', 'Product', 'Contract', 'Order' or 'Haulier' link from the menu bar takes the user to the associated Information page. From these pages, it is possible to enter new details, update or delete In this page, the user can enter all the customer information and add all the customer details.

Adding a new customer is very simple. To do this, click on the "Add a new customer to customer list" hyperlink and this will load the New Customer Form

The customer details then need to be entered into the form. The compulsory fields are

Customer Name

Address (first box only)

Town / City

Postcode

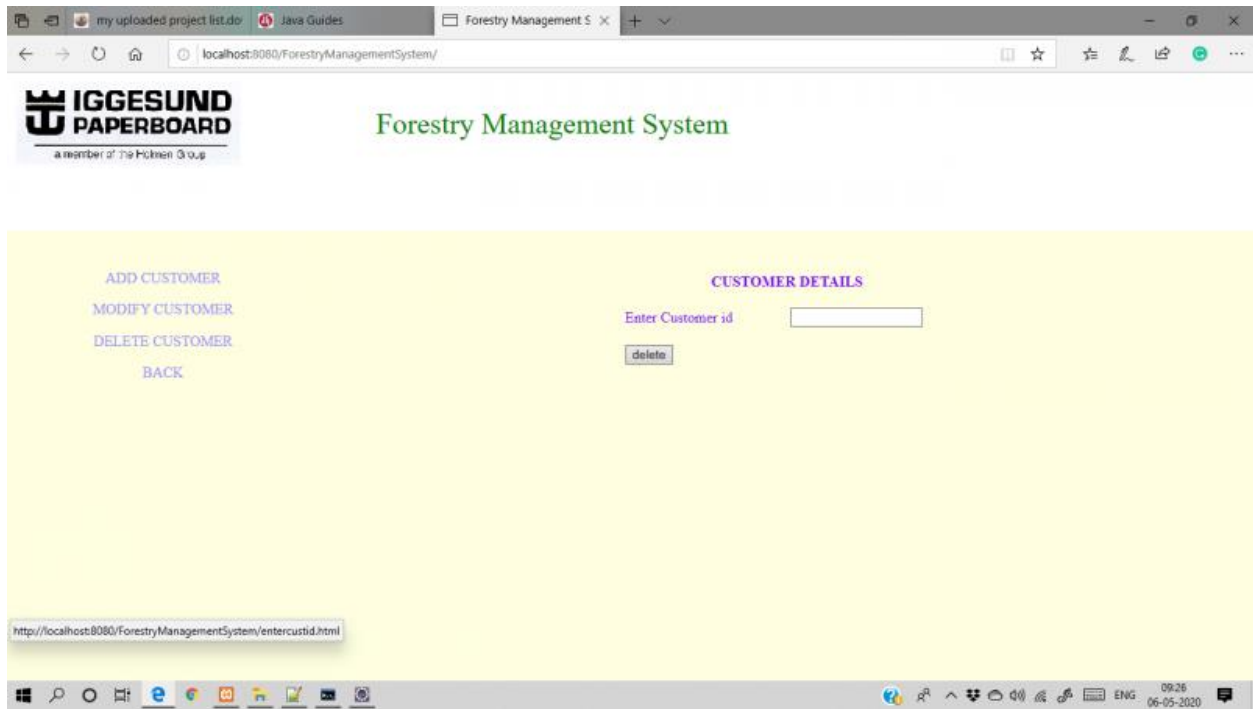
Telephone Number

The screenshot shows a web browser window with the URL `localhost:8080/ForestryManagementSystem/`. The page features the IGGESUND PAPERBOARD logo and the title "Forestry Management System". On the left, a yellow box contains links: "ADD CUSTOMER", "MODIFY CUSTOMER", "DELETE CUSTOMER", and "BACK". On the right, the "ADD CUSTOMER DETAILS" form is displayed with the following fields and values:

ADD CUSTOMER DETAILS	
CustomerID	101
Customer Name	Kishor Kadam
CustomerAddress1	Wakad
CustomerAddress2	Pune
Town/City	Pune
PostCode	411033
Telephone Number	255200
Email	kadamk33@gmail.com
<input type="button" value="Submit"/>	

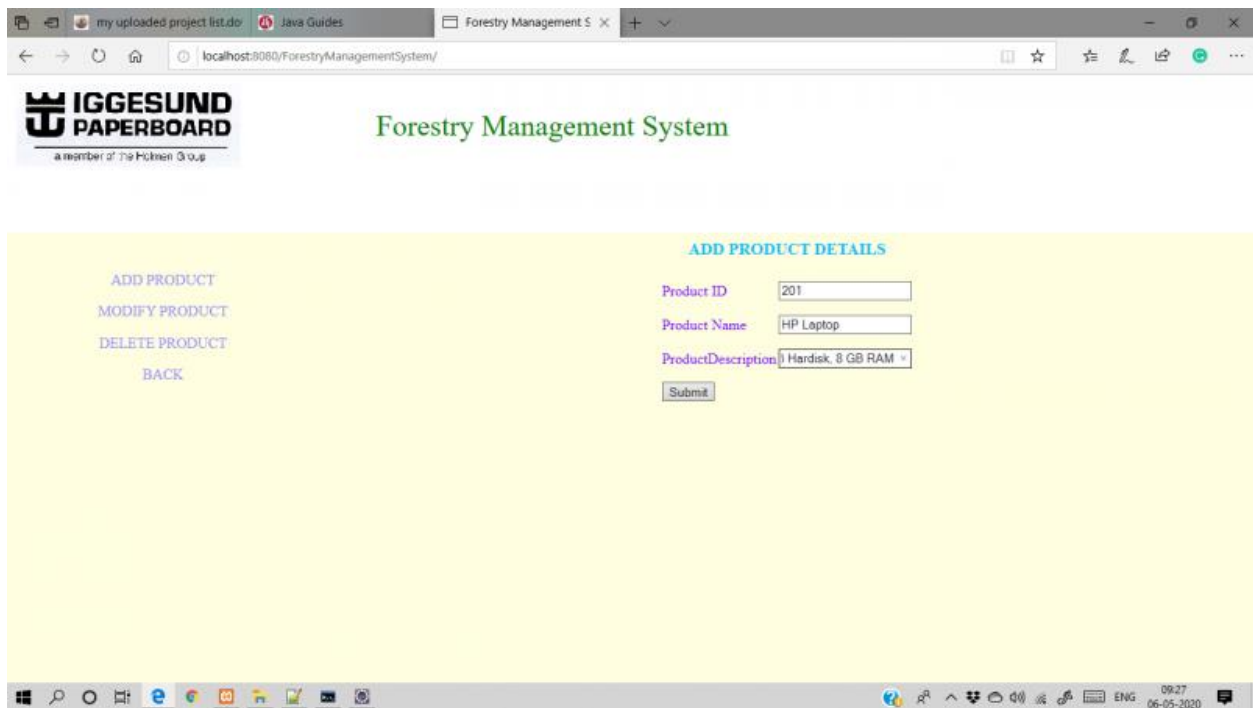
The Windows taskbar at the bottom shows the date and time as 09:25 on 06-05-2020.

3.Customer's Detail Page: By entering the id, we will delete all the details about the customer.



5.The Product Information Page

The Product Information Page is very similar to the Customer Information Page. It has four hyperlinks which allow new product details to be added to the product list and lets product details be updated. It also lets the user delete any products which are no longer produced, and view a list of all products



5.The Product Information Page

The Product Information Page (Fig 3.1) is very similar to the Customer Information Page. It has four hyperlinks which allow new product details to be added to the product list and lets product details be updated. It also lets the user delete any products which are no longer produced, and view a list of all products.

Adding a new Product

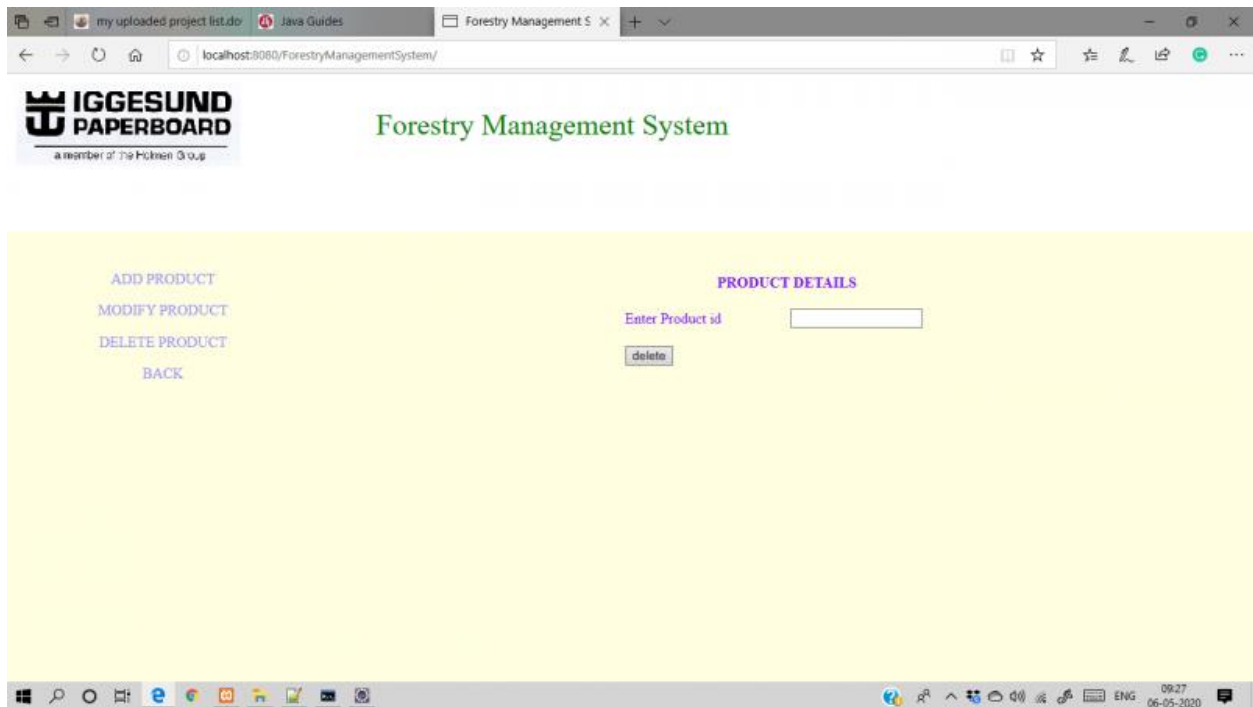
To add a new product to the product list simply click on the link [“Add a new product to product list”](#). This brings up the New Product Form (Fig 3.2). The Product Name then needs to be entered into the form. A product description may also be added if required, however it is not compulsory. When the details are complete, pressing the Submit button should insert the new product details into the database. A list of all products should then be displayed, with the newly entered product in the list

The screenshot displays a web browser window with the URL `localhost:8080/ForestryManagementSystem/`. The page features the IGGESUND PAPERBOARD logo and the title "Forestry Management System". On the left, a yellow sidebar contains the following links: "ADD PRODUCT", "MODIFY PRODUCT", "DELETE PRODUCT", and "BACK". The main content area shows a form with the following fields and values:

Prod ID	Prod Name	Prod Descr	Action
201	HP Laptop	1 TB Hardisk, 8 GB RAM	Modify

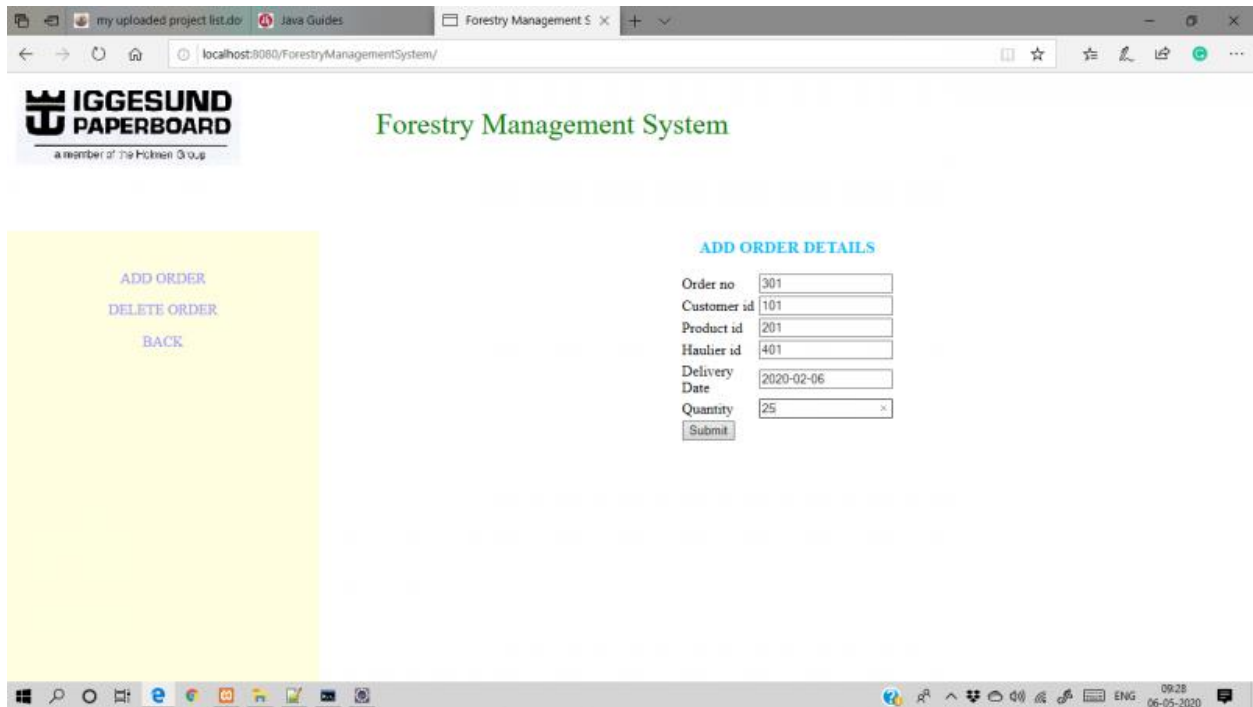
The browser's taskbar at the bottom shows the system date and time as 09:27 on 06-05-2020.

6. By using product id we can delete that product details.



7. Order Information Page

The Order Information page can be accessed by clicking on the Order hyperlink on the side menu bar. From this page, new orders can be added, orders can be updated and orders can be deleted



8. Contract Detail's Page: The Contract Information page (Fig 6.1) has links to all the details regarding contracts. To get to this page click on the Contract link on the side menu bar. From this page it is possible to add new contracts, delete and update contracts as well as viewing all contracts.

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localhost:8080/ForestryManagementSystem/

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Forestry Management System

ADD CONTRACTOR
DELETE CONTRACTOR
BACK

ADD CONTRACT DETAILS

Contract no
Customer id
Product id
Haulier id
Delivery Date
Delivery Day
Quantity

9. In this page by putting the contract number we will get all the details regarding to that contract.

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localhost:8080/ForestryManagementSystem/

IGGESUND PAPERBOARD
a member of the Fiskemiljø Group

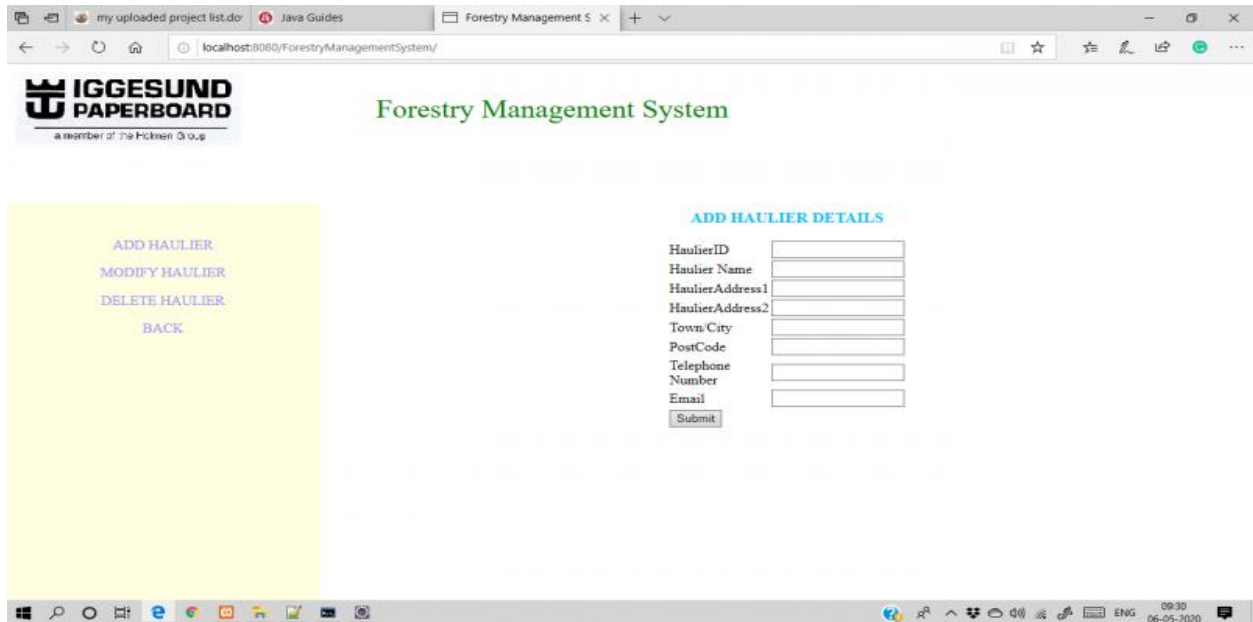
Forestry Management System

ADD CONTRACTOR
DELETE CONTRACTOR
BACK

CONTRACT DETAILS

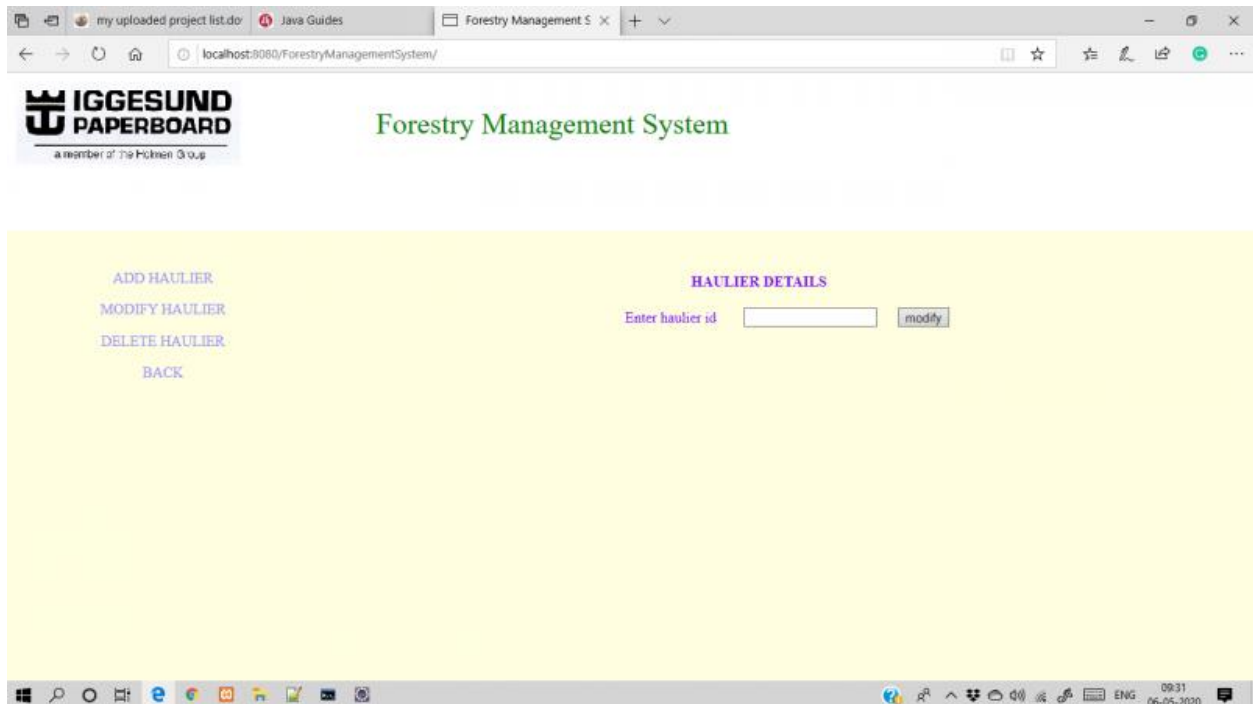
Enter Contract no

10. Haulier Homepage: In this page we need to enter all the details about the haulier.



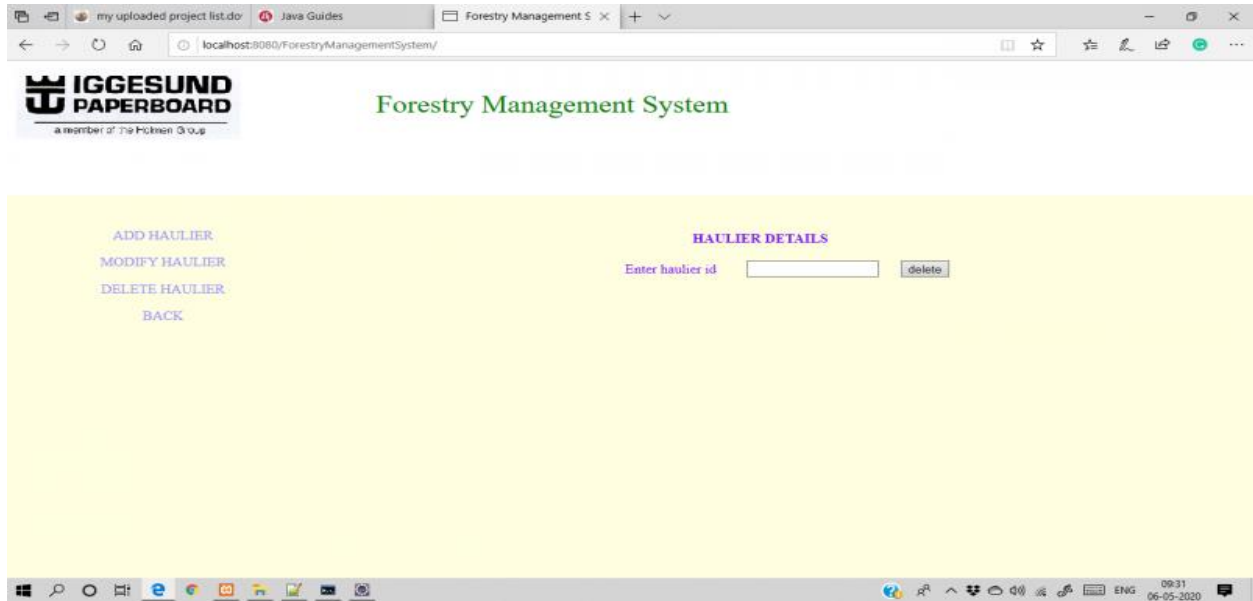
The screenshot shows a web browser window with the URL `localhost:8080/ForestryManagementSystem/`. The page features the IGGESUND PAPERBOARD logo and the title "Forestry Management System". On the left, a yellow box contains the following links: [ADD HAULIER](#), [MODIFY HAULIER](#), [DELETE HAULIER](#), and [BACK](#). On the right, a form titled "ADD HAULIER DETAILS" contains the following fields: for HaulierID, for Haulier Name, for HaulierAddress1, for HaulierAddress2, for Town/City, for PostCode, for Telephone Number, and for Email. A "Submit" button is located at the bottom of the form.

11. This page will helps us to make changes in the haulier information.

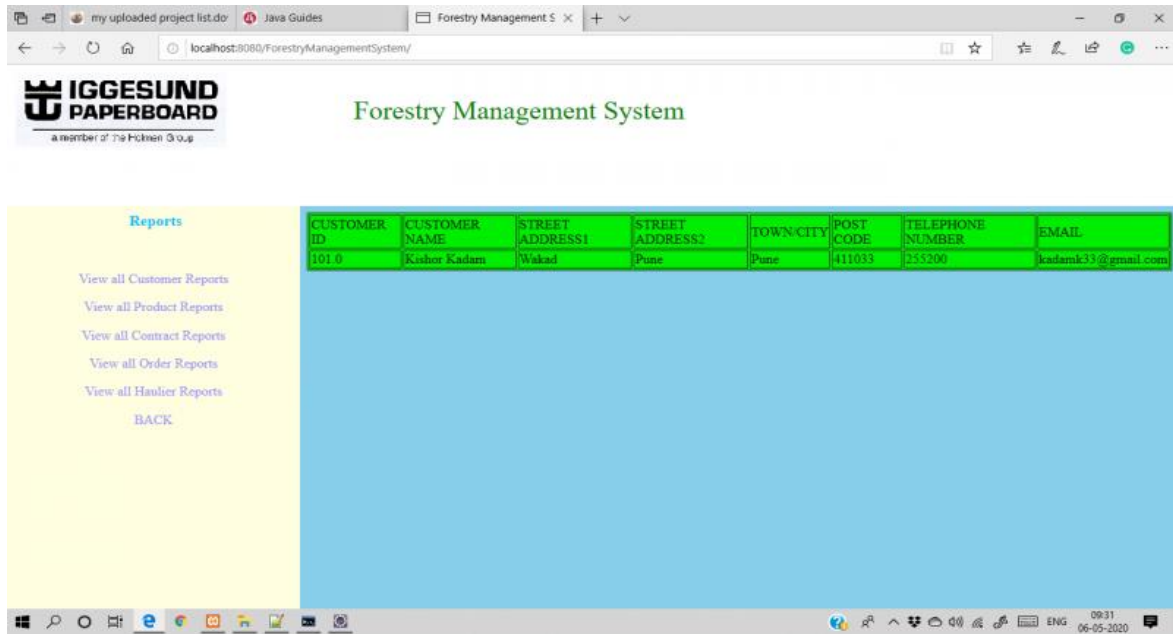


The screenshot shows a web browser window with the URL `localhost:8080/ForestryManagementSystem/`. The page features the IGGESUND PAPERBOARD logo and the title "Forestry Management System". On the left, a yellow box contains the following links: [ADD HAULIER](#), [MODIFY HAULIER](#), [DELETE HAULIER](#), and [BACK](#). On the right, a form titled "HAULIER DETAILS" contains the following fields: for Enter haulier id, and a "modify" button.

12. This page will delete the haulier information as per the given id.



13. Reports: This is the detailed information about all the customers.



14. In this page all the product details are displayed.

