ONLINE LAUNDRY MANAGEMENT SYSTEM

A PROJECT REPORT

Submitted by

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Under the guidance of

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(Assistant Professor, Department of Networking and Communications,School of Computing)

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In

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with specialization in CYBERSECURITY

DEPARTMENT OF NETWORKINGAND COMMUNICATIONS
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY,
KATTANKULATHUR- 603 203

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SRM INSTITUTE OF SCIENCE & TECHNOLOGY
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BONAFIDE CERTIFICATE

gister No. **RA2111030010239, RA2111030010231, RA2111030010196** Certified to be the bonafide work
ne by **M SUKUMAR, D SRINIVASA VARMA, P SASHANK REDDY** of II Year/IV Sem
Tech Degree Course in the **Advanced Programming Practice 18CSC207J** in **SRM INSTITUTE OF**
IENCE AND TECHNOLOGY, Kattankulathur during theacademic year 2022 – 2023.

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ABSTRACT

An online laundry management system is a web-based software application that enables laundry businesses to manage their operations more efficiently. The system includes features such as customer management, order processing, inventory management, billing and invoicing, and reporting.

Customers can use the system to place orders online, schedule pick-ups and deliveries, and track the status of their orders. The system also allows customers to view their order history and preferences, and to provide feedback on the quality of the service.

Laundry businesses can use the system to manage their orders, track inventory levels, generate invoices, and monitor the performance of their business. The system can provide real-time updates on order status and inventory levels, and can generate reports on key performance metrics such as revenue, profitability, and customer satisfaction.

The online laundry management system can help businesses in the laundry industry improve their efficiency, reduce errors, and provide better service to their customers. By automating many tasks that were previously performed manually, businesses can save time and resources, and focus on delivering high-quality service to their customers.

Introduction:

The online laundry management system is a web-based software application that aims to provide a more efficient and convenient way for laundry businesses to manage their operations. The system enables customers to place orders online, schedule pick-ups and deliveries, and track the status of their orders. The system also provides laundry businesses with tools to manage their orders, track inventory levels, generate invoices, and monitor the performance of their business.

The laundry industry has traditionally been a labor-intensive and time-consuming business, with many tasks being performed manually. This can lead to errors, delays, and a lack of visibility into key metrics such as inventory levels and order status. By implementing an online laundry management system, businesses can automate many of these tasks, improve their efficiency, and provide better service to their customers.

Overall, the online laundry management system represents a significant opportunity for laundry businesses to improve their operations, reduce costs, and provide better service to their customers. The system is an essential tool for businesses looking to stay competitive in the modern economy and meet the growing demand for convenience and efficiency.

Advantages:

Convenience: An online laundry management system provides customers with the convenience of placing orders and tracking their status from their mobile phones or computers, at any time and from any location.

Transparency: Customers can track the status of their orders in real-time, which improves transparency and gives them more confidence in the service.

Efficiency: Automating many of the manual tasks in the laundry business can improve operational efficiency and reduce processing times, which leads to faster order fulfillment and better service.

Accuracy: Automating processes and reducing manual intervention also helps reduce errors and improve the accuracy of order processing and billing.

Cost-effectiveness: By reducing the need for manual labor and streamlining operations, an online laundry management system can help laundry businesses reduce costs and improve profitability.

Objective:

Improve efficiency: One of the primary objectives of an online laundry management system is to improve the efficiency of laundry businesses by automating many of the tasks that were previously performed manually. This can lead to faster order processing, reduced errors, and improved productivity.

Enhance customer experience: Another important objective of the system is to enhance the customer experience by providing a more convenient and transparent way to place orders, track order status, and provide feedback on the quality of the service.

Increase revenue: By providing a better customer experience and improving operational efficiency, the online laundry management system can help laundry businesses increase their revenue and profitability.

Proposed Of Project:

- Helps in maintaining the Laundry Management
- Easy washing
- Computerized Event Requests Management.
- Calculate the Bills.

Algorithm:

User registers an account on the system.
User logs into the system to place an order.
User selects the laundry service they require (e.g. dry cleaning, ironing, etc.) and specifies the date and time for pickup and delivery.
User inputs their address and any special instructions for the laundry service.
System generates an order confirmation and sends it to the user via email or SMS.
System notifies the laundry service of the order and pickup details.
Laundry service picks up the laundry on the specified date and time.
Laundry service processes the laundry and updates the order status in the system.
System notifies the user when the laundry is ready for delivery.
Laundry service delivers the laundry to the user on the specified date and time.
User confirms the delivery and provides feedback on the quality of the service.
System generates an invoice for the laundry service and sends it to the user.
User pays the invoice using a payment gateway integrated into the system.
System updates the order status to "completed" and archives the order data for future reference.

Program :

```
--
-- Database: `laundry`
--

-- --------------------------------------------------------

--
-- Table structure for table `laundry`
--

CREATE TABLE `laundry` (
  `laun_id` int(11) NOT NULL,
  `customer_name` varchar(100) NOT NULL,
```

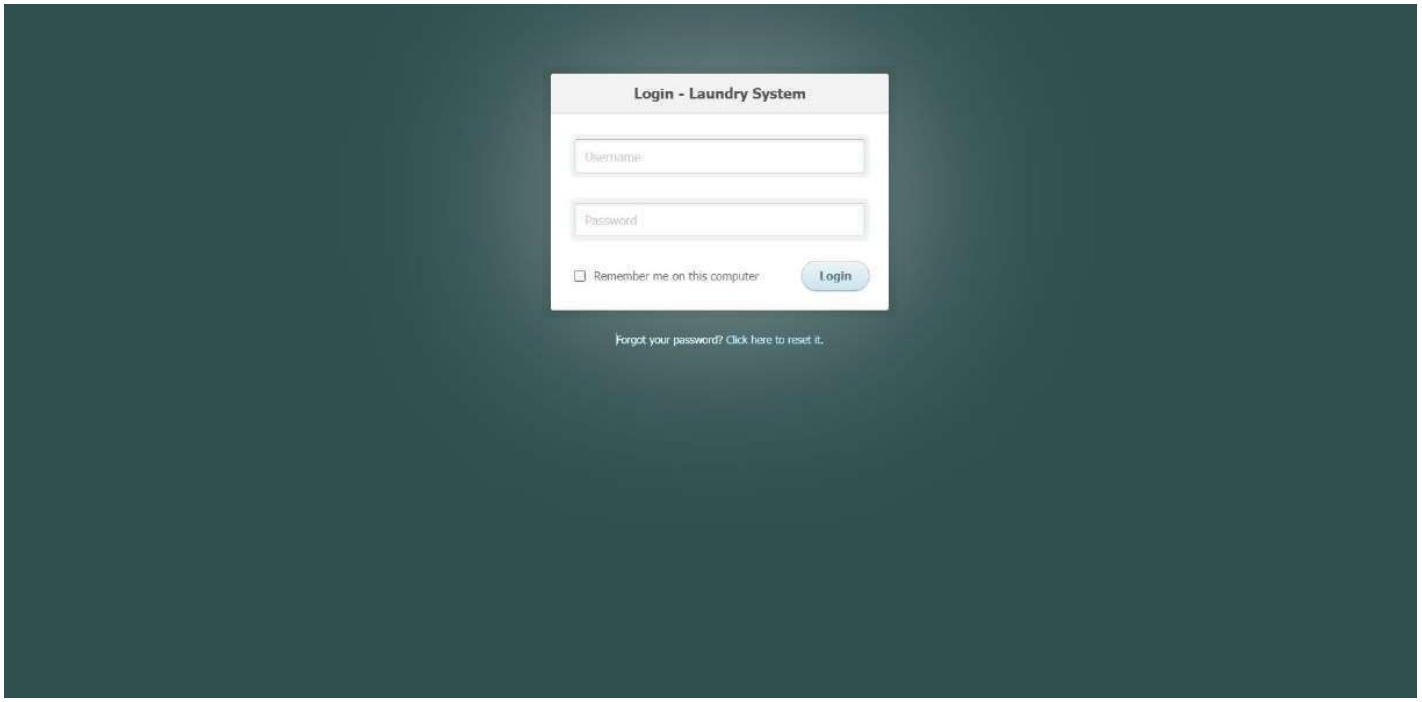
```
  `laun_priority` int(11) NOT NULL,
  `laun_weight` int(11) NOT NULL,
  `laun_date_received` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
  `laun_claimed` tinyint(4) NOT NULL DEFAULT '0',
  `laun_type_id` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `laundry`
--

INSERT INTO `laundry` (`laun_id`, `customer_name`, `laun_priority`, `laun_weight`, `laun_date_received`, `laun_claimed`, `laun_type_id`) VALUES
(7, 'Reyvelyn Ybanez Viovicente', 7, 3, '2017-03-19 22:38:02', 1, 1),
(9, 'Winnie Alterado Damayo', 3, 2, '2017-03-19 22:43:23', 1, 1),
(10, 'Jane Dougah Hah', 1, 2, '2017-03-19 22:43:23', 1, 2),
(11, 'Johnny Deep', 7, 3, '2017-03-19 23:53:36', 1, 1),
(12, 'Winnie Alterado Damayo', 2, 2, '2017-03-22 16:14:48', 1, 2),
(13, 'Winnie Alterado Damayo', 4, 10, '2017-03-22 16:15:33', 1, 1),
(14, 'Winnie Damayo', 2, 2, '2017-04-18 03:59:57', 0, 1);

--- ----------------------------------------------------------

--
-- Table structure for table `laundry_type`
--

CREATE TABLE `laundry_type` (
  `laun_type_id` int(11) NOT NULL,
  `laun_type_desc` varchar(50) NOT NULL,
  `laun_type_price` float NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `laundry_type`
--

INSERT INTO `laundry_type` (`laun_type_id`, `laun_type_desc`, `laun_type_price`) VALUES
(1, 'Blanket', 20),
(2, 'Clothes', 30);

--- ----------------------------------------------------------

--
-- Table structure for table `sales`
--

CREATE TABLE `sales` (
  `sale_id` int(11) NOT NULL,
```

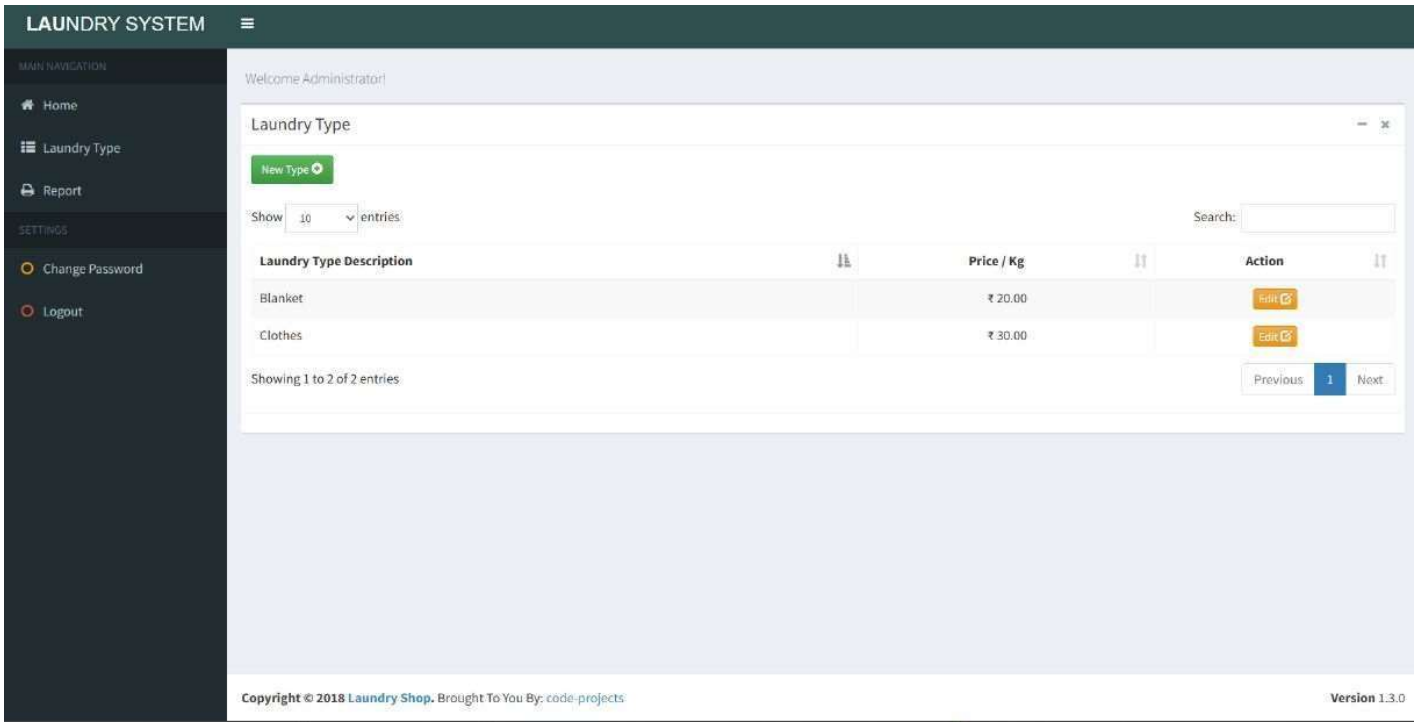
```
  `sale_customer_name` varchar(100) NOT NULL,
  `sale_type_desc` varchar(50) NOT NULL,
  `sale_date_paid` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
  `sale_laundry_received` datetime NOT NULL,
  `sale_amount` float NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `sales`
--

INSERT INTO `sales` (`sale_id`, `sale_customer_name`, `sale_type_desc`, `sale_date_paid`, `sale_laundry_received`,
`sale_amount`) VALUES
(1, 'Reyvelyn Ybanez Viovicente', 'Blanket', '2017-03-18 22:38:02', '2017-03-20 00:00:00', 60),
(2, 'Jane Dougah Hah', 'Clothes', '2017-03-19 22:43:23', '2017-03-20 06:43:16', 60),
(3, 'Winnie Alterado Damayo', 'Blanket', '2017-03-19 22:43:23', '2017-03-20 06:42:58', 40),
(4, 'Johnny Deep', 'Blanket', '2017-03-19 23:53:36', '2017-03-20 07:53:27', 60),
(5, 'Winnie Alterado Damayo', 'Clothes', '2017-03-22 16:14:47', '2017-03-23 00:14:40', 60),
(6, 'Winnie Alterado Damayo', 'Blanket', '2017-03-22 16:15:33', '2017-03-23 00:15:28', 200);

--- ----------------------------------------------------------

--
-- Table structure for table `user`
--

CREATE TABLE `user` (
  `user_id` int(11) NOT NULL,
  `user_account` varchar(50) NOT NULL,
  `user_password` varchar(35) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `user`
--

INSERT INTO `user` (`user_id`, `user_account`, `user_password`) VALUES
(1, 'admin', '21232f297a57a5a743894a0e4a801fc3');

--
-- Indexes for dumped tables
--

--
-- Indexes for table `laundry`
--
ALTER TABLE `laundry`
  ADD PRIMARY KEY (`laun_id`),
  ADD KEY `laun_type_id` (`laun_type_id`);
```

```
--
-- Indexes for table `laundry_type`
--
ALTER TABLE `laundry_type`
  ADD PRIMARY KEY (`laun_type_id`);

--
-- Indexes for table `sales`
--
ALTER TABLE `sales`
  ADD PRIMARY KEY (`sale_id`);

--
-- Indexes for table `user`
--
ALTER TABLE `user`
  ADD PRIMARY KEY (`user_id`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `laundry`
--
ALTER TABLE `laundry`
  MODIFY `laun_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=15;
--
-- AUTO_INCREMENT for table `laundry_type`
--
ALTER TABLE `laundry_type`
  MODIFY `laun_type_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;
--
-- AUTO_INCREMENT for table `sales`
--
ALTER TABLE `sales`
  MODIFY `sale_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;
--
-- AUTO_INCREMENT for table `user`
--
ALTER TABLE `user`
  MODIFY `user_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;
--
-- Constraints for dumped tables
--

--
-- Constraints for table `laundry`
```

```
--
ALTER TABLE `laundry`
  ADD CONSTRAINT `laundry_ibfk_1` FOREIGN KEY (`laun_type_id`) REFERENCES `laundry_type` (`laun_type_id`);

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

Output :


Login - Laundry System
Username
Password
Remember me on this computer
Login
Forgot your password? Click here to reset it.


LAUNDRY SYSTEM
MAIN NAVIGATION
Home
Laundry Type
Report
SETTINGS
Change Password
Logout
Welcome Administrator!
Laundry Type
New Type
Show 10 entries
Search:
Laundry Type Description
Price / Kg
Action
Blanket
₹ 20.00
Edit
Clothes
₹ 30.00
Edit
Showing 1 to 2 of 2 entries
Previous
1
Next
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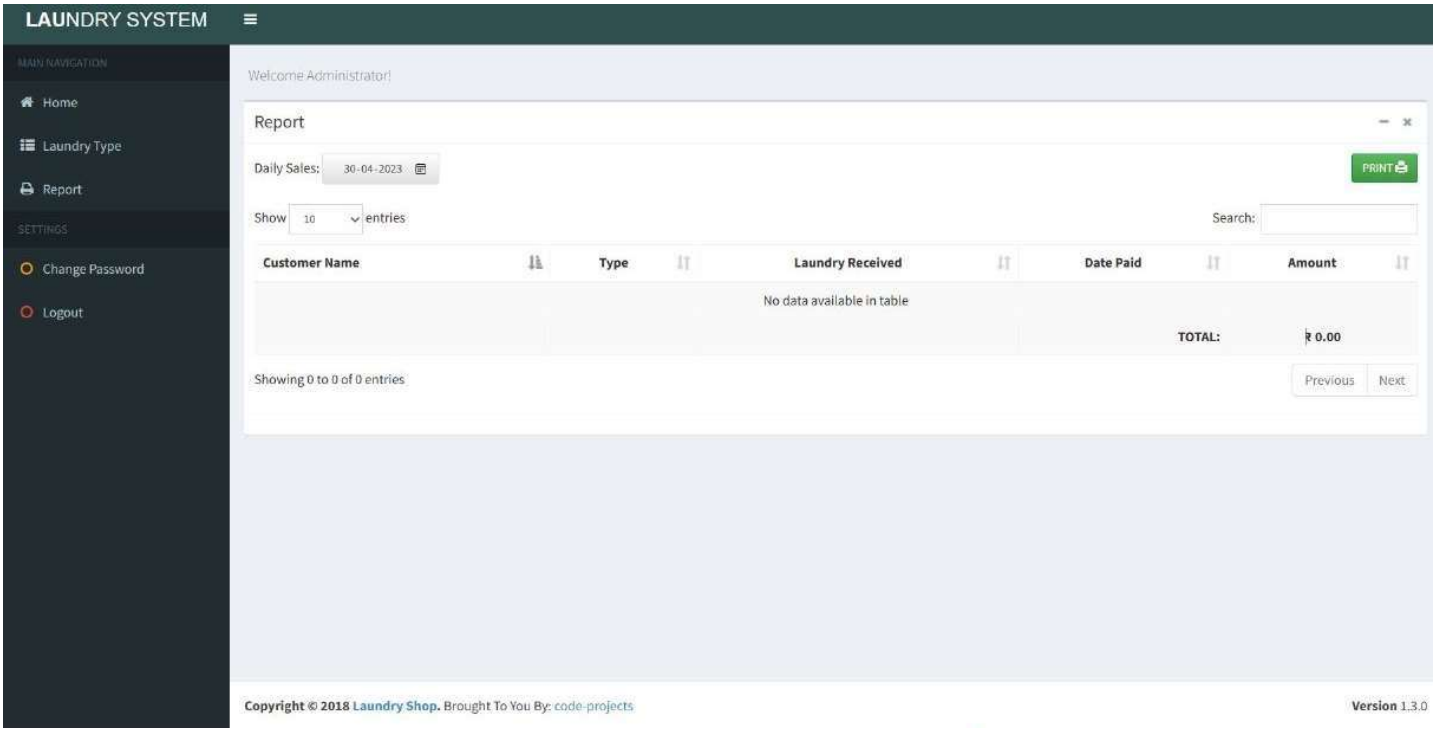
LAUNDRY SYSTEM
MAIN NAVIGATION
Home
Laundry Type
Report
SETTINGS
Change Password
Logout
Welcome Administrator!
Report
Daily Sales: 30-04-2023
PRINT
Show 10 entries
Search:
Customer Name
Type
Laundry Received
Date Paid
Amount
No data available in table
TOTAL:
₹ 0.00
Showing 0 to 0 of 0 entries
Previous
Next
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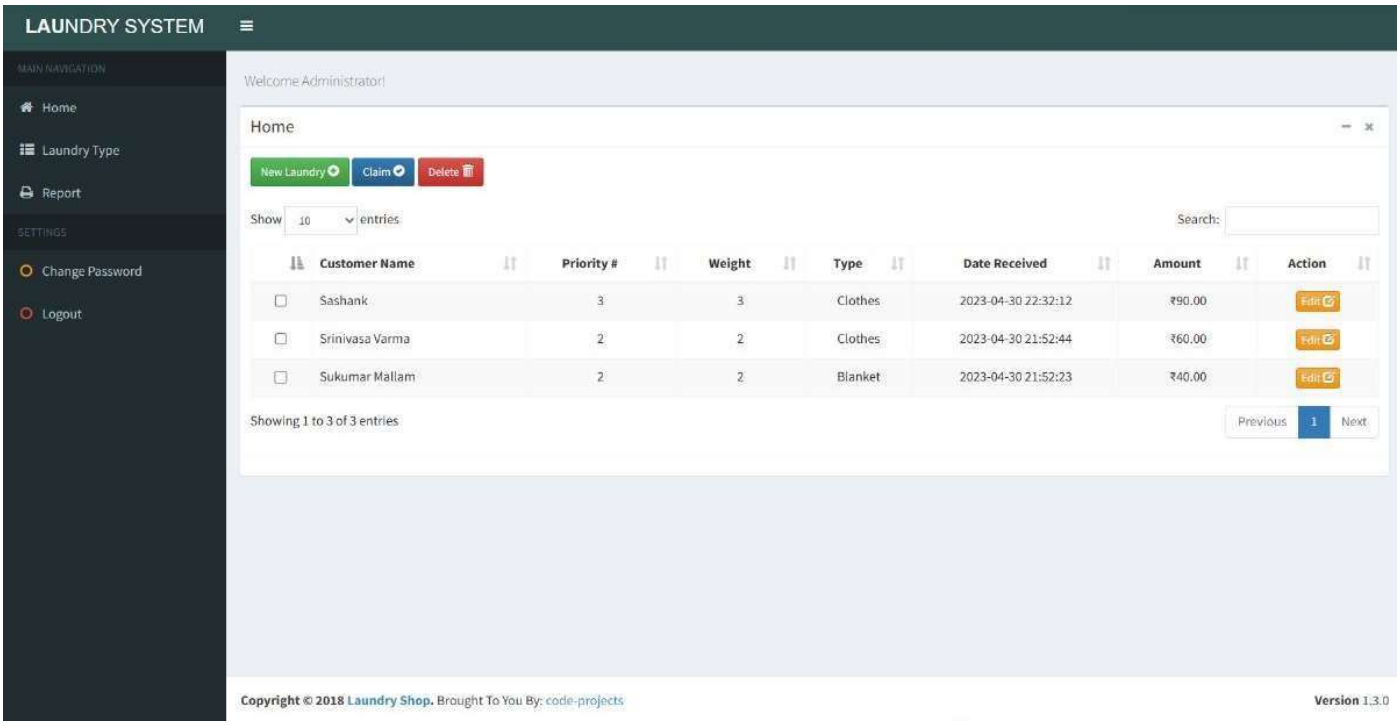
Version 1.3.0


LAUNDRY SYSTEM
MAIN NAVIGATION
Home
Laundry Type
Report
SETTINGS
Change Password
Logout
Welcome Administrator!
Home
New Laundry
Claim
Delete
Show 10 entries
Search:
Customer Name
Priority #
Weight
Type
Date Received
Amount
Action
Sashank 3 3 Clothes 2023-04-30 22:32:12 ₹90.00 Edit
Srinivasa Varma 2 2 Clothes 2023-04-30 21:52:44 ₹60.00 Edit
Sukumar Mallam 2 2 Blanket 2023-04-30 21:52:23 ₹40.00 Edit
Showing 1 to 3 of 3 entries
Previous
1
Next
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