

Cold Storage Information System

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under guidance
Of

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Introduction

- National Informatics Centre (NIC) of the Department of Information Technology is providing network backbone and e-Governance support to Central Government, State Governments, UT Administrations, Districts and other Government bodies.



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Department of Agriculture Government of West Bengal

- National Informatics Centre (NIC) of the Department of Information Technology is providing network backbone and e-Governance support to Central Government, State Governments, UT Administrations, Districts and other Government bodies.
- The Government of West Bengal with a view to focus the attention on marketing of agricultural produce set up a separate department as Agricultural Marketing Department to deal exclusively with all such matters. The West Bengal State Marketing Board the statutory body constituted under the Act and Directorate of Agriculture

Project Description

- One of the primary roles of Directorate of Agricultural Marketing is to look after the cold storages.

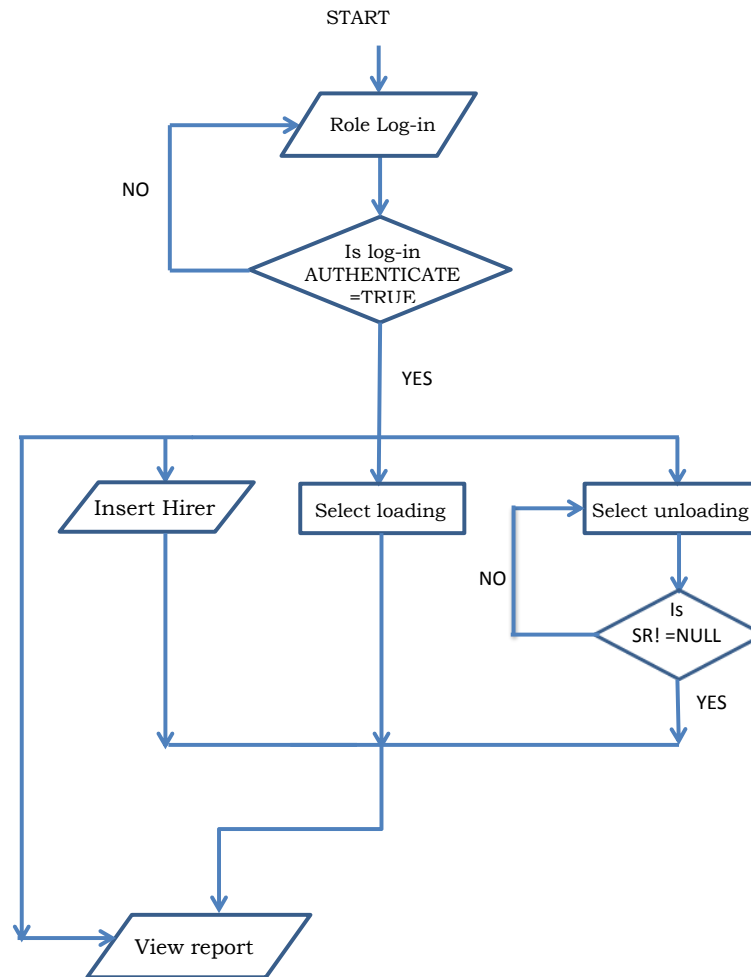
The operations performed are:

- Role-based 'log-in'
- Cold Storage 'Hirer' Entry
- Loading and unloading stock transactions
- Storage of transactions report for each cold store individually

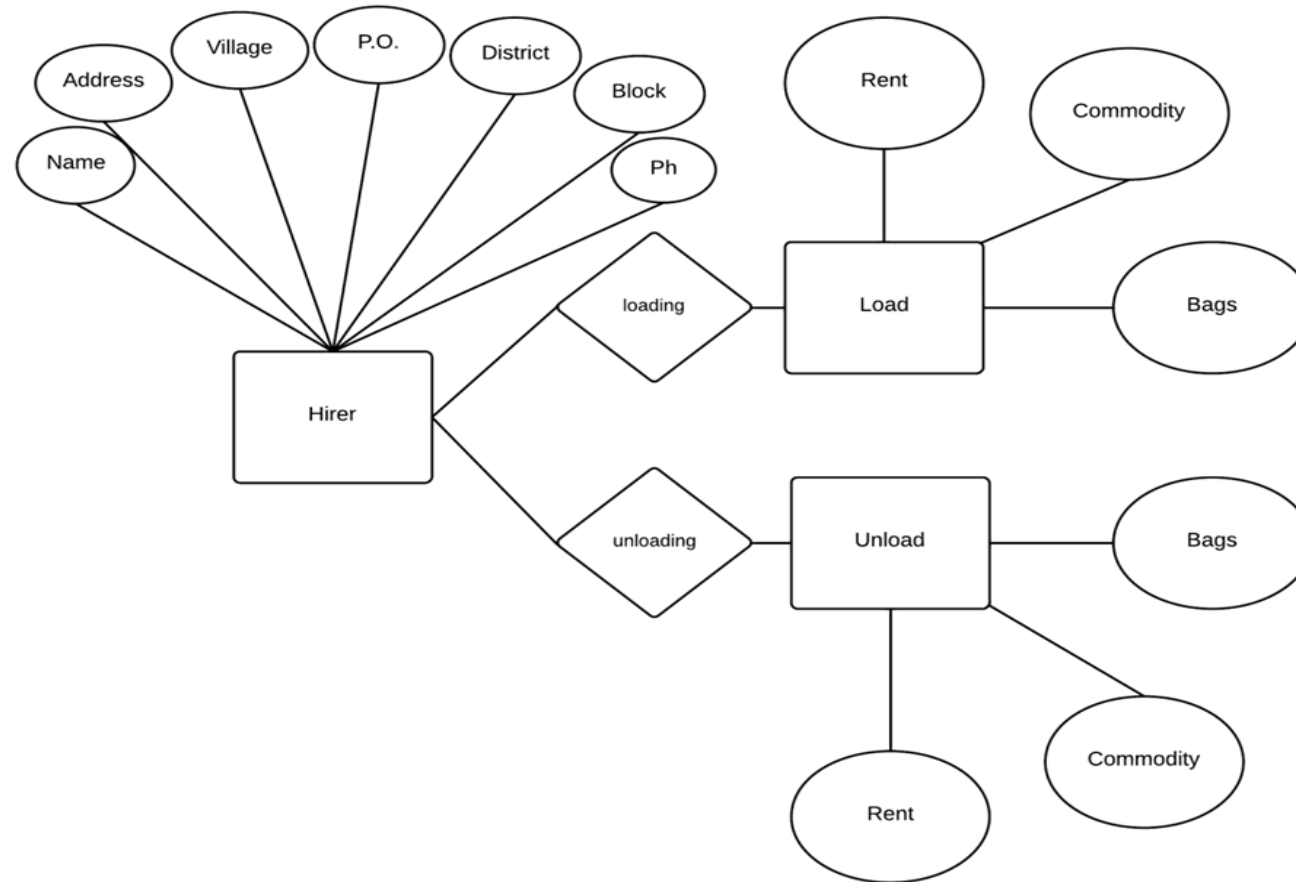
Performance Requirements

- User friendliness
- User satisfaction
- Response Time
- Error Handling
 - Safety

Project Flowchart



Entity Relationship Diagram



Technologies Used

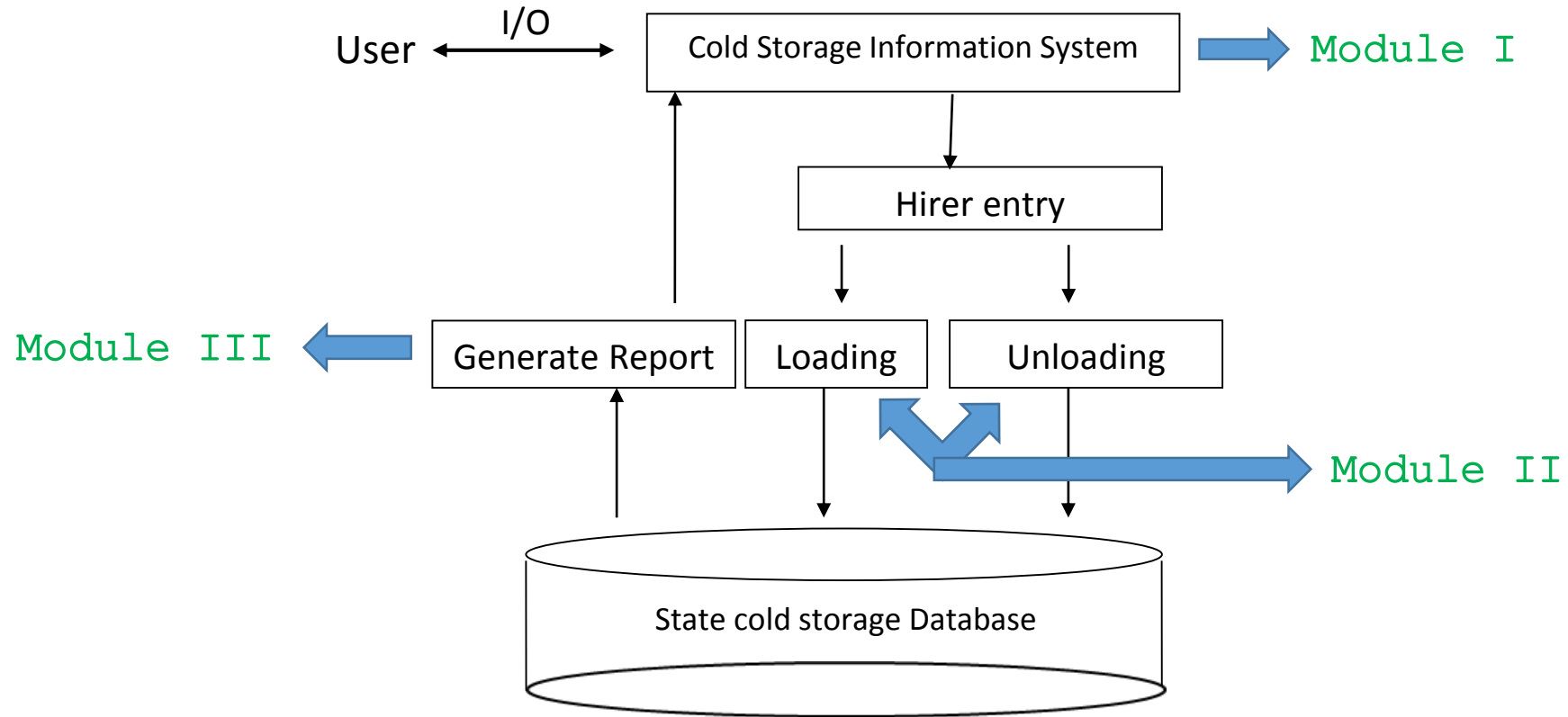
HARDWARE

Processor : Intel® Core™ i3 Processor
RAM : 512 MB
Hard Disk : 80 GB

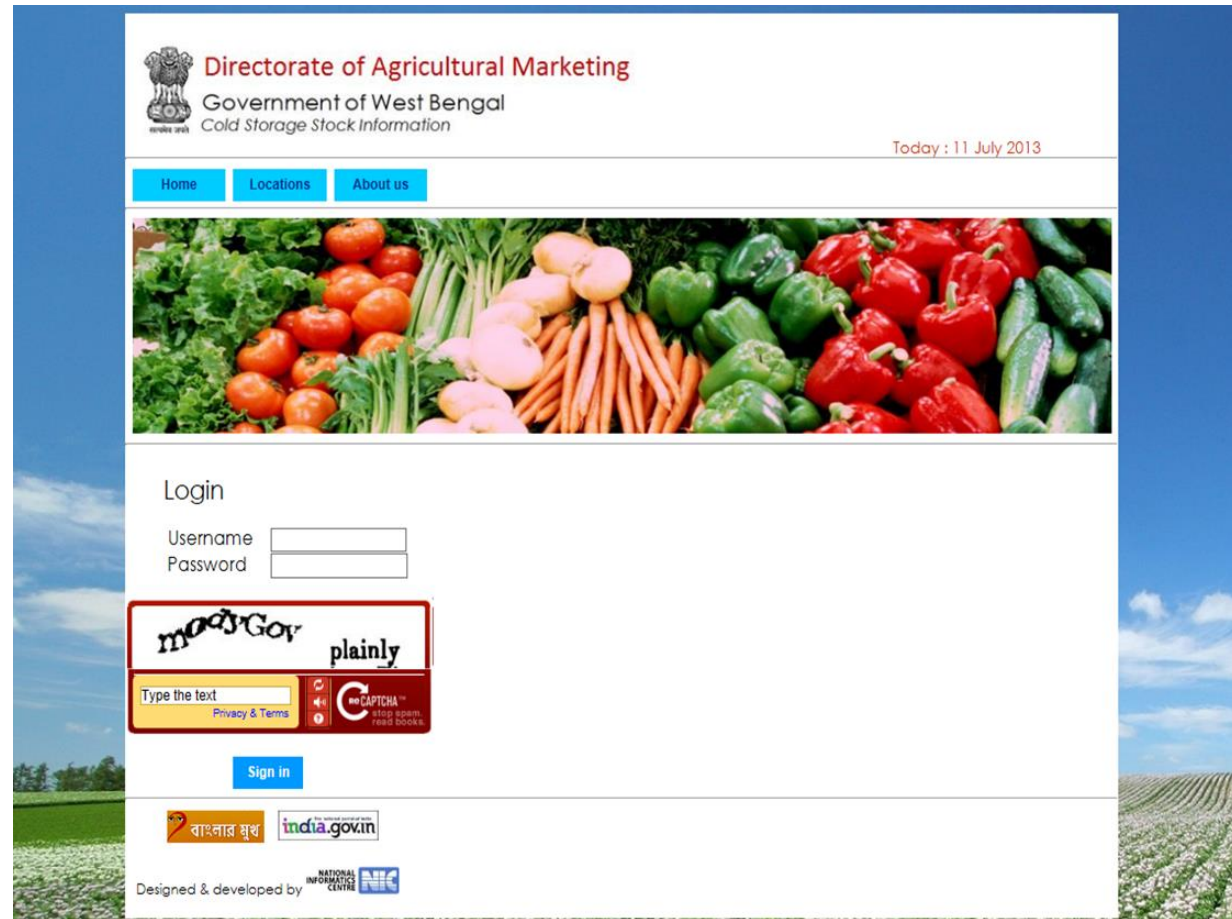
SOFTWARE

Visual Studio .NET 2010
Microsoft SQL Server 2008

Modules

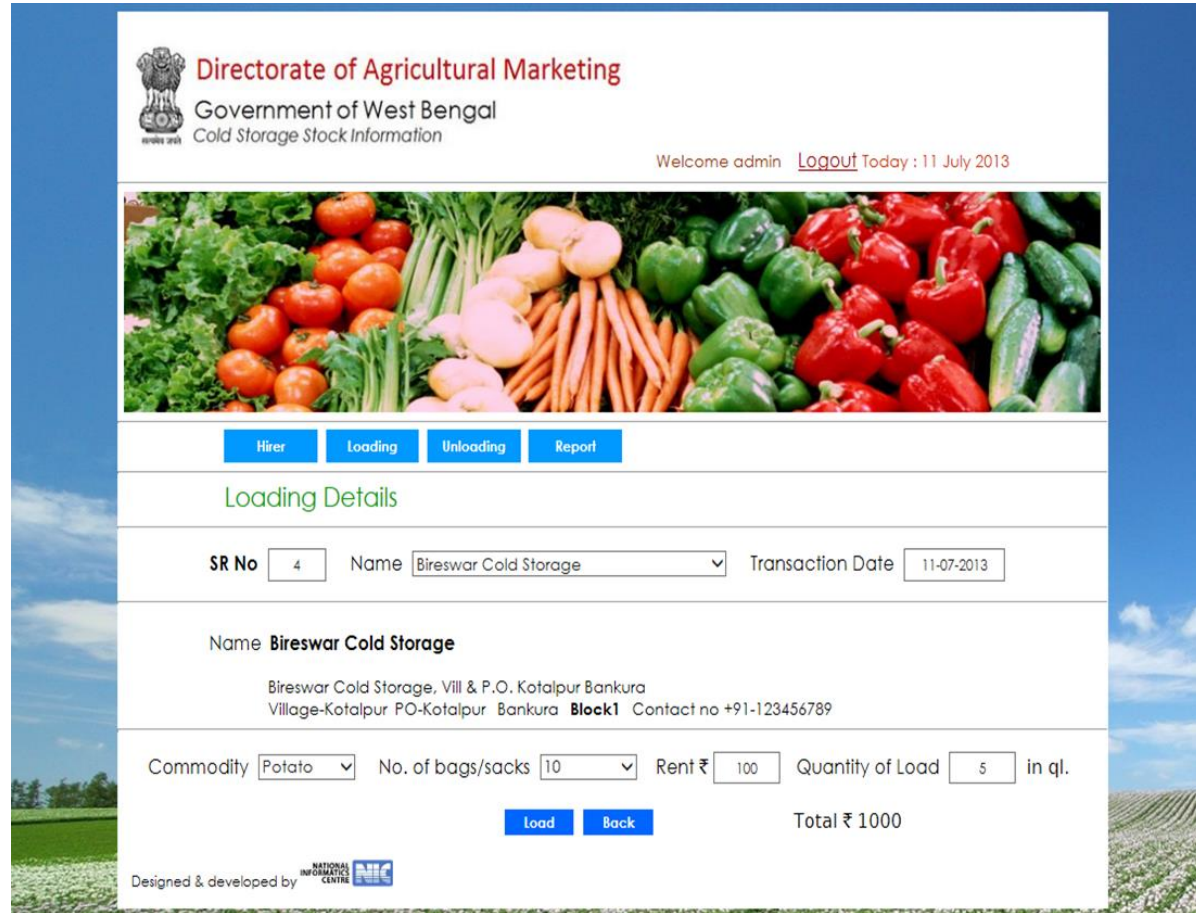


Project Screen Snaps



User 'log - in' and homepage

Project Screen Snaps



The screenshot displays the 'Cold Storage Stock Information' web application. At the top, it features the logo of the Directorate of Agricultural Marketing, Government of West Bengal, and a welcome message for the admin user dated 11 July 2013. A banner image of various fresh vegetables (tomatoes, carrots, bell peppers, and cucumbers) is shown below the header. The main interface includes a navigation bar with buttons for 'Hire', 'Loading', 'Unloading', and 'Report'. The 'Loading Details' section contains a form for entering transaction information. The form includes fields for 'SR No' (4), 'Name' (Bireswar Cold Storage), and 'Transaction Date' (11-07-2013). Below this, the storage name 'Bireswar Cold Storage' is displayed along with its address and contact details. The form also includes fields for 'Commodity' (Potato), 'No. of bags/sacks' (10), 'Rent ₹' (100), and 'Quantity of Load' (5 in ql). A 'Load' button and a 'Back' button are present at the bottom of the form, along with a 'Total ₹ 1000' label. The footer mentions the application was designed and developed by the National Informatics Centre.

Directorate of Agricultural Marketing
Government of West Bengal
Cold Storage Stock Information

Welcome admin [Logout](#) Today : 11 July 2013

Hire Loading Unloading Report


Loading Details

SR No Name Transaction Date

Name **Bireswar Cold Storage**
Bireswar Cold Storage, Vill & P.O. Kotalpur Bankura
Village-Kotalpur PO-Kotalpur Bankura **Block1** Contact no +91-123456789

Commodity No. of bags/sacks Rent ₹ Quantity of Load in ql.

Load Back Total ₹ 1000

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Stock loading page, where transaction details of loading/un - loading in a store is entered

Project Screen Snaps

The screenshot shows the 'Cold Storage Stock Information' web application. At the top, it features the Government of West Bengal logo and the Directorate of Agricultural Marketing. A navigation bar includes buttons for 'Hier', 'Loading', 'Unloading', and 'View Report', along with a dropdown menu for 'Hirer name' set to 'Bireswar Cold Storage'. A large banner image displays various fresh vegetables. Below this, a 'Welcome to West Bengal Cold Storage Stock Information' banner is shown. The main content area displays 'Transaction details of Bireswar Cold Storage Dist- Bankura Block1' with two tables. The first table lists loading transactions, and the second lists unloading transactions, both for the date 04-07-2013 and commodity 'Potato'. The footer credits the National Informatics Centre.

Directorate of Agricultural Marketing
Government of West Bengal
Cold Storage Stock Information

Welcome admin [Logout](#) Today : 11 July 2013

Hier Loading Unloading View Report Hirer name Bireswar Cold Storage

Welcome to
West Bengal Cold Storage
Stock Information

Transaction details of **Bireswar Cold Storage** Dist- Bankura Block1

sr	qty_load	date	cmdty
1	5	04-07-2013	Potato
3	10	04-07-2013	Potato

sr	qty_unload	date	cmdty
1	5	04-07-2013	Potato

Designed & developed by NATIONAL INFORMATICS CENTRE

Transaction report page, where entire transactions of a store can be viewed that occurred.

- **Goal achieved:** The System is able provide the interface to the user so that he can replicate his desired data.
- **User friendliness:** Though the most part of the system is supposed to act in the background, efforts have been made to make the foreground interaction with user as smooth as possible. Also the integration of the system with Cold Storage Information System project has been kept in mind throughout the development phase.

Conclusion

There is always a room for improvement in any software, however efficient the system may be. The important thing is that the system should be flexible enough for future modifications. The system has been factored into different modules to make system adapt to the further changes. Every effort has been made to cover all user requirements and make it user friendly.