

Cargo Management System

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Project Proposal

Assignment # 1

Introduction

The cargo management system will maintain information related to ordered products and products which are delivered or in the delivery process in a cargo company. It will store information in the SQL database. For user interface, C# with forms application will be used. The details of the project are given below:

List of Objects

The project mainly consists of following entities.

1. Cargo
2. Employees
3. Department
4. Payment
5. Billing
6. Costumer
7. Transaction
8. Enquiry

Detailed functions

1. Cargo

Function Name	Description
Add cargo	Add a new cargo to database
Update cargo	Update an existing cargo from database using cargo ID
Delete cargo	Delete an existing cargo from database using cargo ID
Save cargo	Saves the cargo information
Search cargo	Search an exist cargo

2. Employees

Function Name	Description
View employees	Shows all employees which are exist
Add employees	Add a new employee to database
Delete employees	Delete an existing employee
Update employees	Update information of an existing employee
Search by name	Search employees by name
Search by ID	Search employees by ID
Search by department	Search employees by department
Login	Log into the system
Logout	Log out of the system

3. Department

Function Name	Description
Add department	Add a new department to database
Update department	Update department
Delete department	Delete department
View department	View all departments
Search department	Search department contents

4. Payment

Function Name	Description
Add payment	Add a new payment information
Delete payment	Delete a payment
Update payment	Update payment
Save payment	Save payment
Search payment	Search paid values

5. Billing

Function Name	Description
Add billing	To add new billing
Delete billing	Delete an existing billing from database using cargo ID
Update billing	Update an existing billing from database using cargo ID
Save billing	Save billing information
Search billing	Search billing information by billing ID

6. Customer

Function Name	Description
Add customer	Add new customer to database
Update customer	Update existing customer information
Delete customer	Delete customer
Save customer	Save customer information
Search customer	Search customer information by customer ID

7. Transaction

Function Name	Description
Add transaction	Add transaction
Update transaction	Update transaction
Delete transaction	Delete an existing transaction
Save transaction	Save transaction
Search transaction	Search an existing transaction

8. Enquiry

Function Name	Description
Add enquiry	Add new enquiry
Update enquiry	Update an existing enquiry
Delete enquiry	Delete an existing enquiry
Save enquiry	Save all changes
Search enquiry	Search an existing enquiry