



Capsule Rental System

Review Proposal

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SECTION-F

BSCS

Overview

A Complete small scale CRUD management application consisting of 4 panels fully database connected with each having different purposes with Proper Login credentials verification from database for access to the panels.

Changes Made:

1. Removal JCalendar 3rd party library due to JDateChooser having limited error support and giving parsing errors on getting data from JTable to JTextfield.
2. Reworked Rental Panel, Having two sections, 1 for validation of records by Searching via Customer ID and Capsule ID . 2 for Managing records of the active rentals.
3. Reworked Checkout Panel, Searching records based on Order ID from Rental Panel and adding receipt printing option.
4. Added small features such as Emptying the table(Truncate) and Clearing the text
5. fields , combo boxes and Receipts.

Problems Faced During Development:

1. One of the problems was definitely connecting the database with the Application, DriverConnection by JDBC imports and Setting up Xampp Server was a bit hard because of port configuration.
2. Also generating an auto ID function for the records. That function took me almost a day to complete because it took me all around stackoverflow to get my errors resolved and kept messing up during the development and it just got fixed today!.
3. Another problem was setting up validations points in CRUD operation for e.g for a insertion, all required fields must be filled or combo boxes must be selected in order to insert the data. Also a row should be selected in order to perform update or delete. That was a bit tricky to make because i had to find the perfect spot to set up validation points so that the flow of the execution would be perfect.
4. Although there were many problems while making queries and setting up autoID and table auto refresh functions in the program so that the flow would be perfect.

