Group 4: Tire Shop

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Deliverable of the Week

- Dashboard
- Updated looks of all the pages
- Saving customers, orders, and invoices to the database

Code Implementation:

```java
    saveButton.setOnAction((event) -> {

        Customer invoiceCust = CheckCustomer();
        Order invoiceOrder = CheckOrder();
        Invoice invoice = CheckInvoice(invoiceCust, invoiceOrder);

        String invoiceString =  ("First Name: " + firstName.getText() + "\nLast Name: " + lastName.getText() + "\nPhone Number: " +
                phoneNumber.getText() + "\nEmail: " + em.getText()+ "\nTire Name: " + tireName.getText() +
                "\nTire Brand: " + tireBrand.getText()  + "\nRim Diameter: " + rimDiameter.getText() +
                "\nQuantity: " + tireQuantity.getText() + "\nTire Price: " + tirePrice.getText() +
                "\nLabor Cost : $" + laborCost.getText());
        txtinvoice.setText(invoiceString);
        ClearFields();
    });
```

Code Implementation:

```java
private Invoice CheckInvoice(Customer cust, Order order) {
    try {
        String query = " insert into invoices (employeeID, customerID, orderID, invoiceDate)"
                + " values (?, ?, ?, ?)";
        Date invoiceDate = new Date();
        java.sql.Date sqlInvoiceDate = new java.sql.Date(invoiceDate.getTime());
            PreparedStatement preparedStmt = con.prepareStatement(query, Statement.RETURN_GENERATED_KEYS);
            preparedStmt.setInt (1, user.getInt("employeeID"));
            preparedStmt.setInt (2, cust.getCustomerID());
            preparedStmt.setInt (3, order.getOrderID());
            preparedStmt.setDate(4, sqlInvoiceDate);
            preparedStmt.execute();
            ResultSet rs = preparedStmt.getGeneratedKeys();
            if(rs.next()) {
                int invoiceID = rs.getInt(1);
                Invoice invoice = new Invoice(invoiceID, sqlInvoiceDate, cust.getCustomerID(), user.getInt("employeeID"), order.getOrderID());
                rs.close();
                preparedStmt.close();
                return invoice;
            }
    }

     catch (SQLException ex) {
        ex.printStackTrace();
    }



    return null;
}
```

Troubleshooting:

- Figuring out how to grab the auto generated key when creating a customer and order so they could be passed to invoice.
- Resultset Methods must be captured within a conditional statement in order to work appropriately.
- Getting reports tableview to display data using objects.

Where are we going?

1. A static I.P. address was obtained as well as the hosting service.

2. Mysql Integration of our jdbc localhost database to our hosting platform.

3. Creation of Administrator + editing of our JDBCtemplate for connectivity.

4. Fully utilizable and user friendly splashboard with efficient accessibility.