

**Java Programming**

**Individual Assignment**

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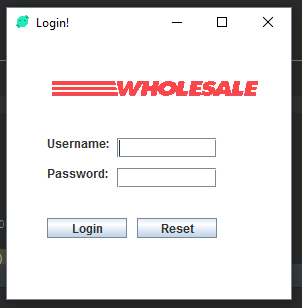
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# Assumption

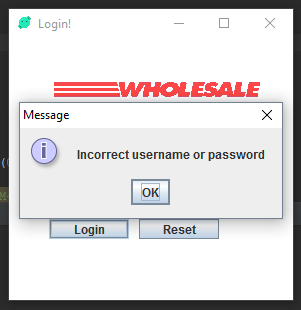
1. The system is expected to finish develop in between 3 months of time.
2. The system should be able to deliver most of the features requested by the customer.
3. The system is expected to handle error properly as in notify the user via message box.
4. The system should be able to perform most of the features required by the customer.
5. The system should be able to add, retrieve and update data from database.

# Sample Output

## loginFrame



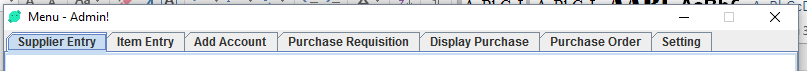
This frame is to allow the user to login into the system by inserting their username and password that existed in the database. If the user tries to login into the system without inserting any details, or try to insert the wrong username and password, an error message will appear to notify the user.

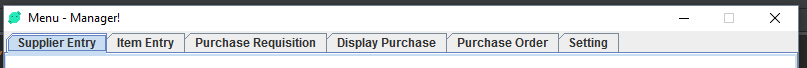


Besides, if the users wish to reset the input field, they can simply press on “Reset” button that available on the frame to reset it.

## contentFrame

Depends on what type of user logged into the system, the frame title and the features will change based on what level of authority the user got. If the users wish to use the features that already implemented into the system, they have to choose the features by pressing the tab on the frame.

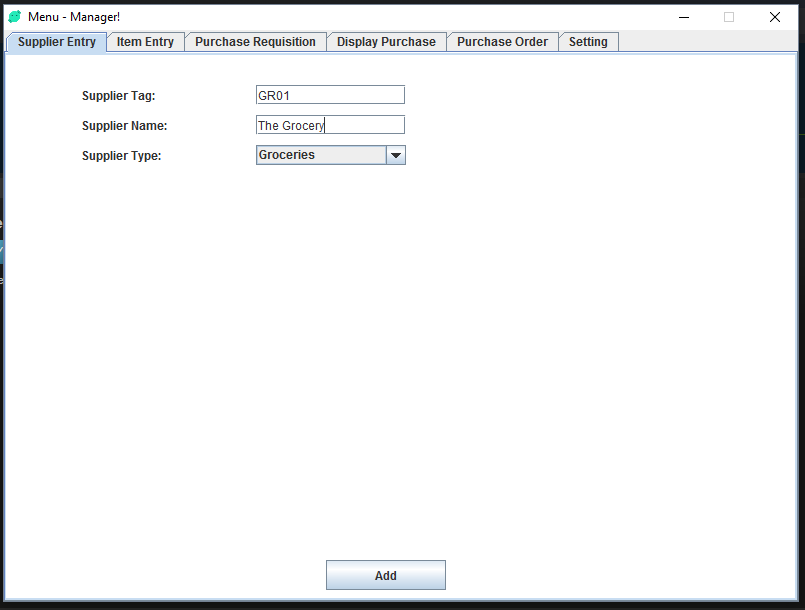




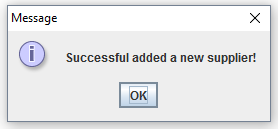


Each level of authority possesses different type of features. The higher the level, the more feature they can access on the system.

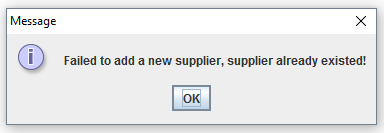
## contentFrame.supplierEntry



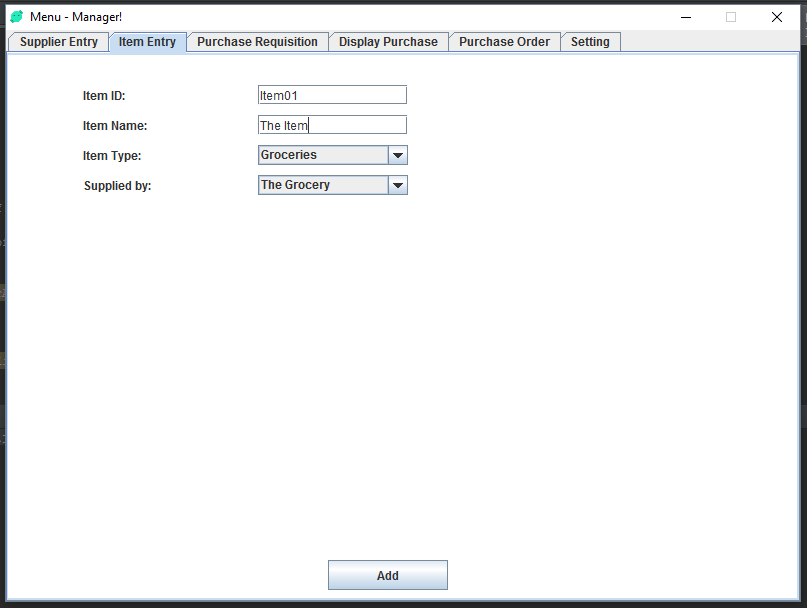
In this panel, user can add a new supplier into the system by inserting their supplier tag, supplier name and supplier type. For example, in the panel, I inserted GR01 for supplier tag, The Grocery for supplier name and Groceries for supplier type then I press on “Add” button. If the supplier tag doesn’t exist in database, then GR01 will be added into the database.



If the supplier already exists inside the database, a message box will notify the user that the supplier already existed inside the database.



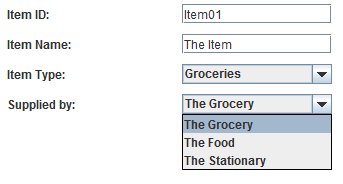
## contentFrame.itemEntry



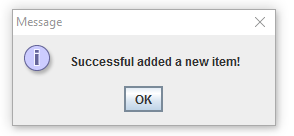
In this panel, user can add an item inside the database by inserting the fields as shown inside the diagram above. The “Supplied by” JComboBox will only show “The Grocery” because we only have “The Grocery” in the database.



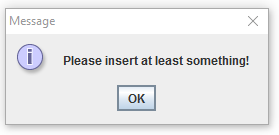
But after the user add another few more supplier, the combobox showing more supplier inside it.



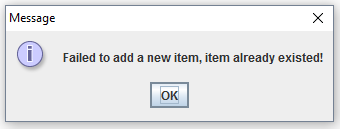
After the user field in everything required, the system will show a messagebox and the data will be stored into the database.



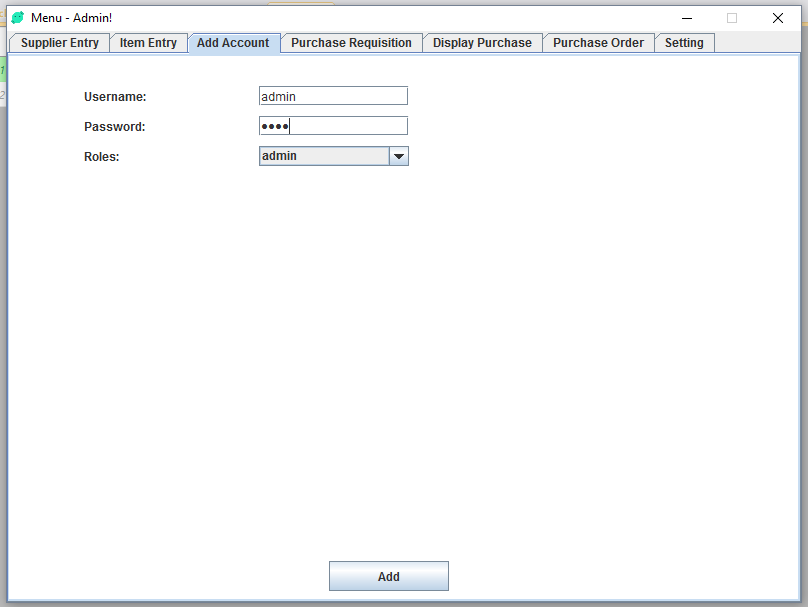
If the user does not fill in the field, a messagebox will appear and ask user to insert something.



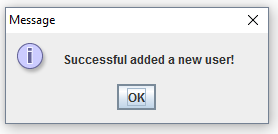
If the user tried to insert the same item id that already existed inside the database, the system will notify the users stating that the item id already existed inside the database.



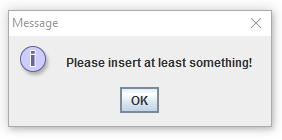
## contentFrame.registerAccount



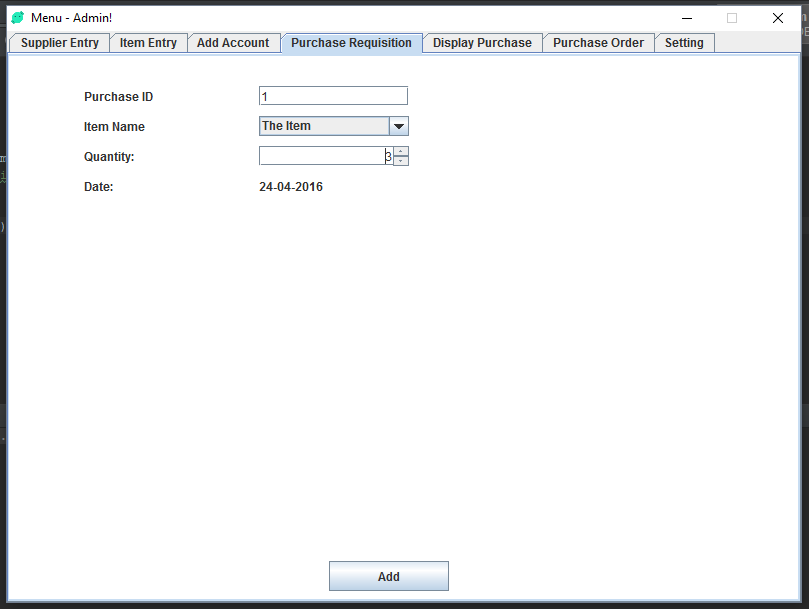
This panel only available if the user logged in as admin. For this panel, admin can register a new account for their staff by inserting the username, password and roles. For roles, user can choose either admin, manager or staff. When admin press on “Add” button, a message box will appear stating that the user already exists, because the username already existed inside the system, if the admin wishes to add a new account, they have to insert a different username. If the new account successfully added into the database, a popup will show that the user successful added a new user.



If the admin tried to add a user without inserting the username and password, the system will ask admin to insert at least something.

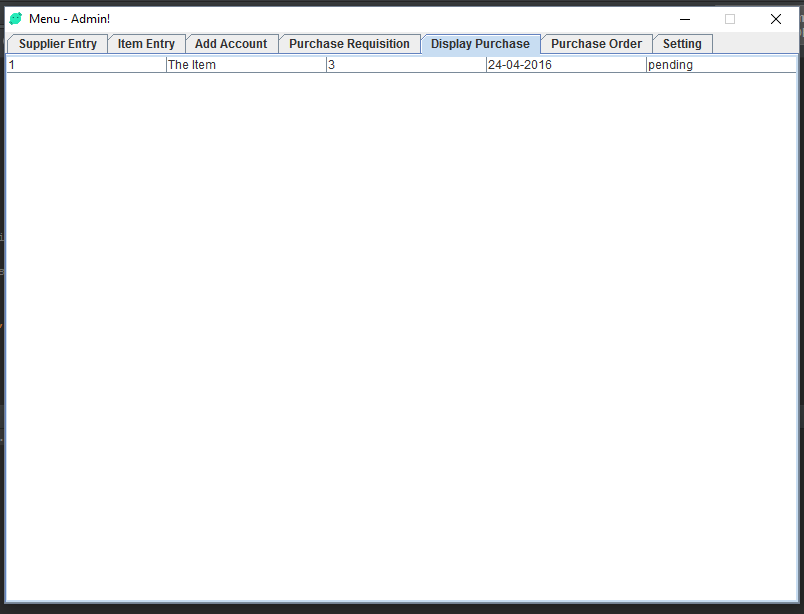


## contentFrame.purchaseRequisition



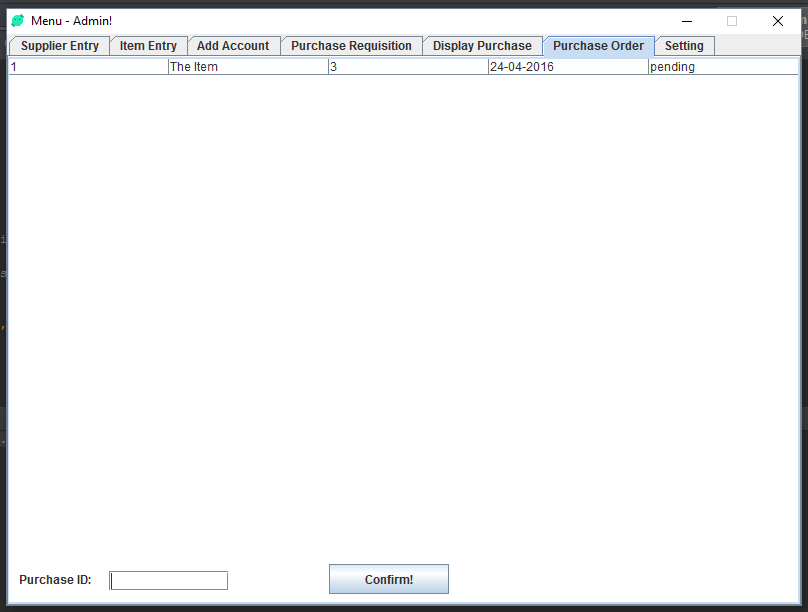
This panel allow users to add purchase requisition by inserting all the field. When the user press on “Add” button the purchase requisition will be added into the database and the data will be show in [contentFrame.displayRequisition](#_contentFrame.displayRequisition).

## contentFrame.displayRequisition

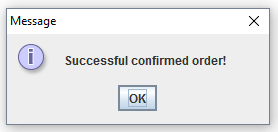


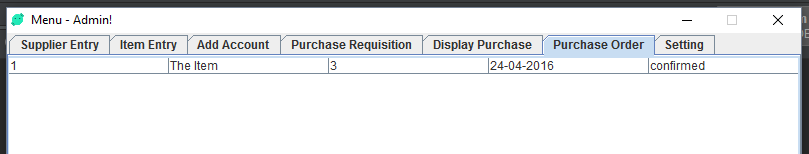
In this panel, purchase requisition and purchase order will be displayed here. By default, when the user added a new purchase requisition, it required the manager or admin to approve the order. Please referring to [contentFrame.purchaseOrder](#_contentFrame.purchaseOrder) to know how it’s work.

## contentFrame.purchaseOrder

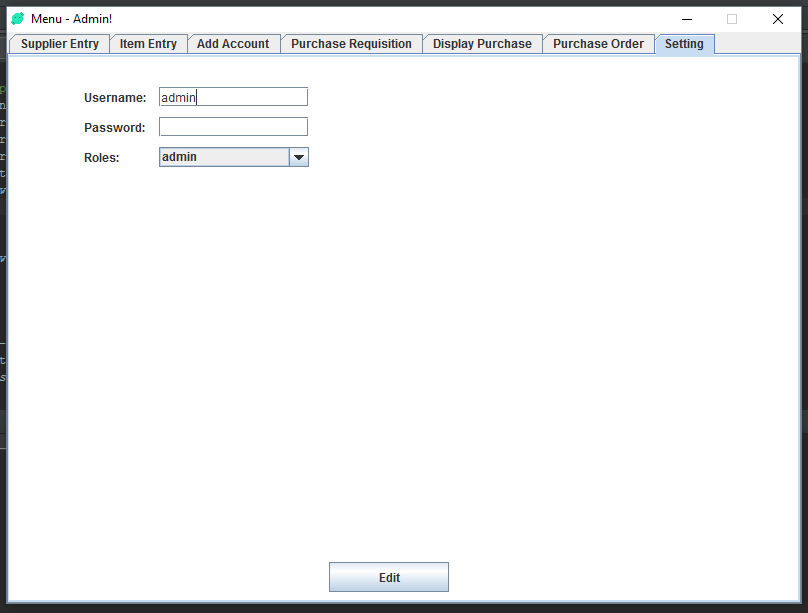


Admin or someone with the access to this panel are able to approve purchase that added by other user by inserting the purchase id. When the user press on “Confirm” button, a messagebox will appear stating that the user successful confirmed the order, then the status will change from “pending” to “confirmed”.

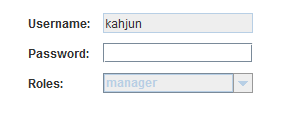




## contentFrame.setting



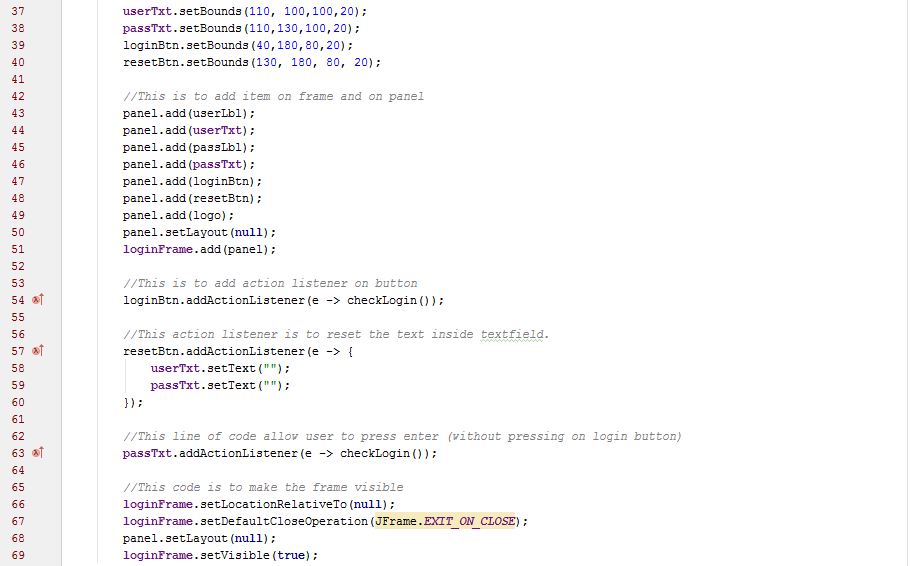
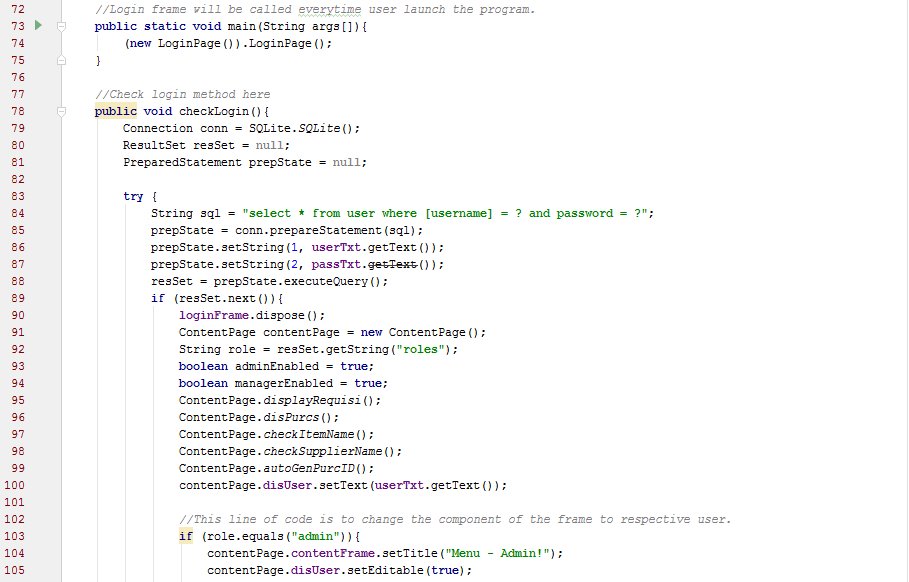
In this panel, user with authority of admin can change their username, password and roles of their own account, admin also can change their staff’s username, password and roles, if the username existed in the database. If user login with the authority level of manager and staff, username and roles field will be disable, which mean they are only allowed to change their password.



# Sample Code

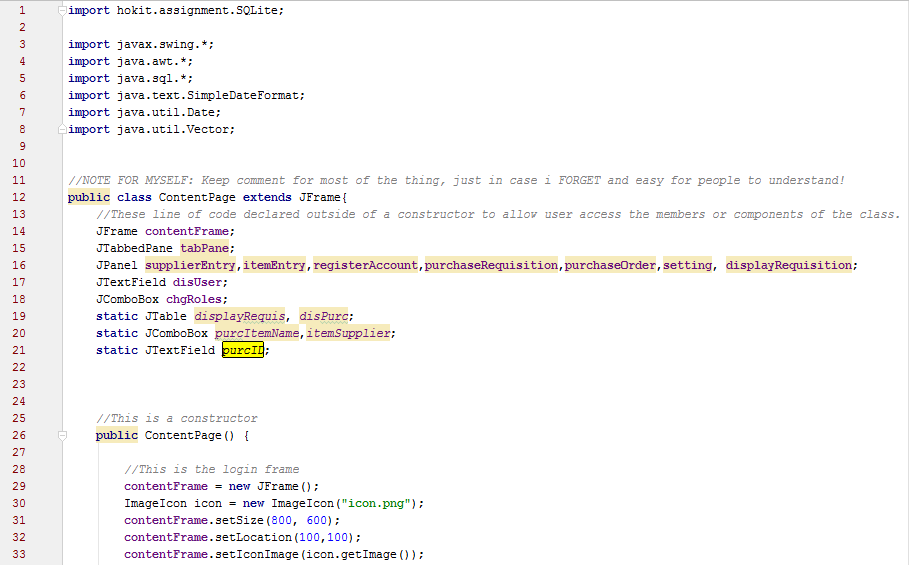
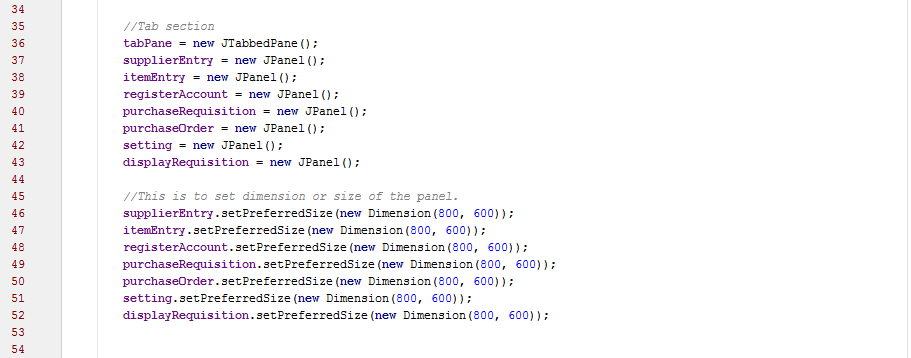
## LoginPage.java



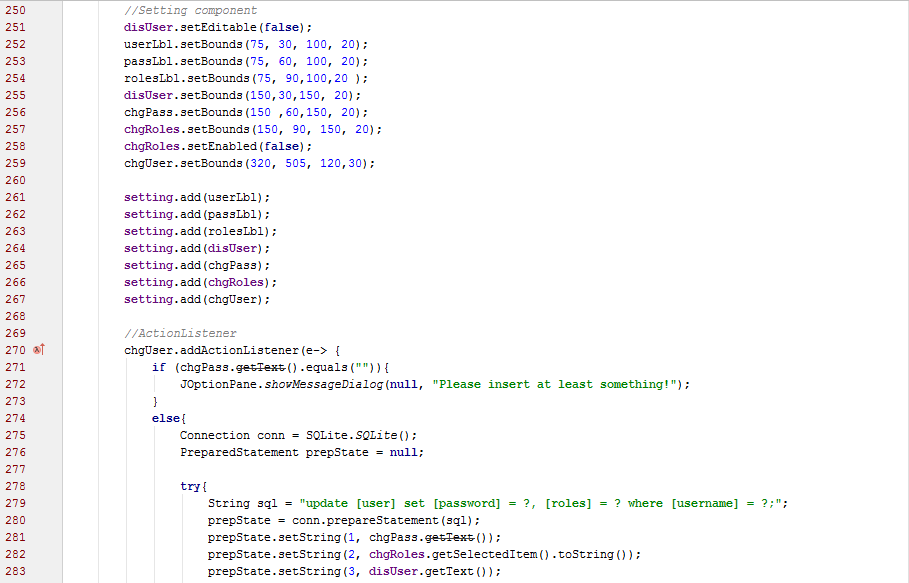
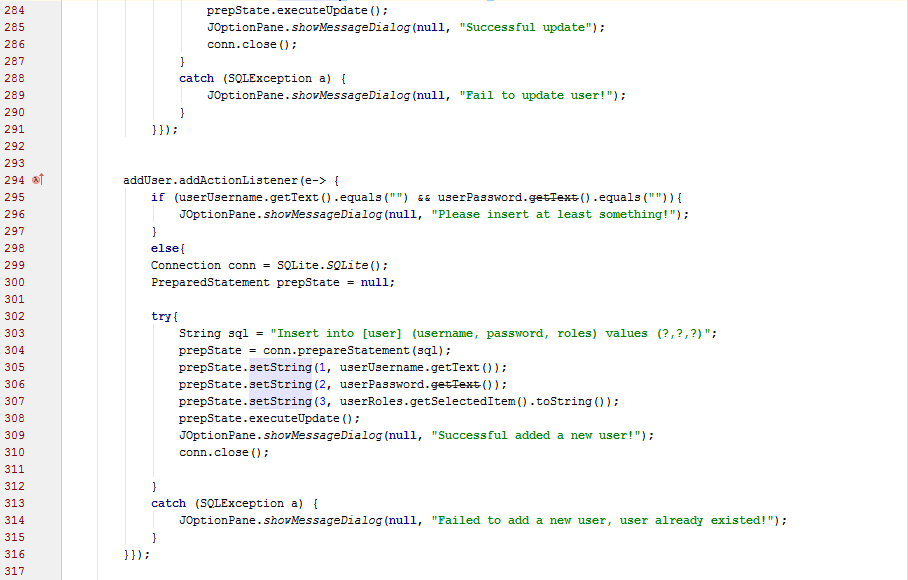
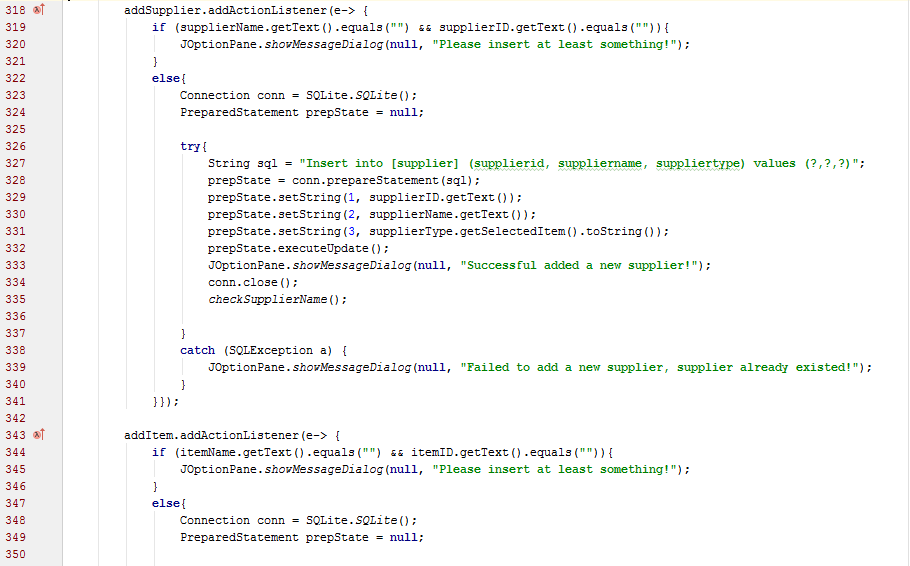
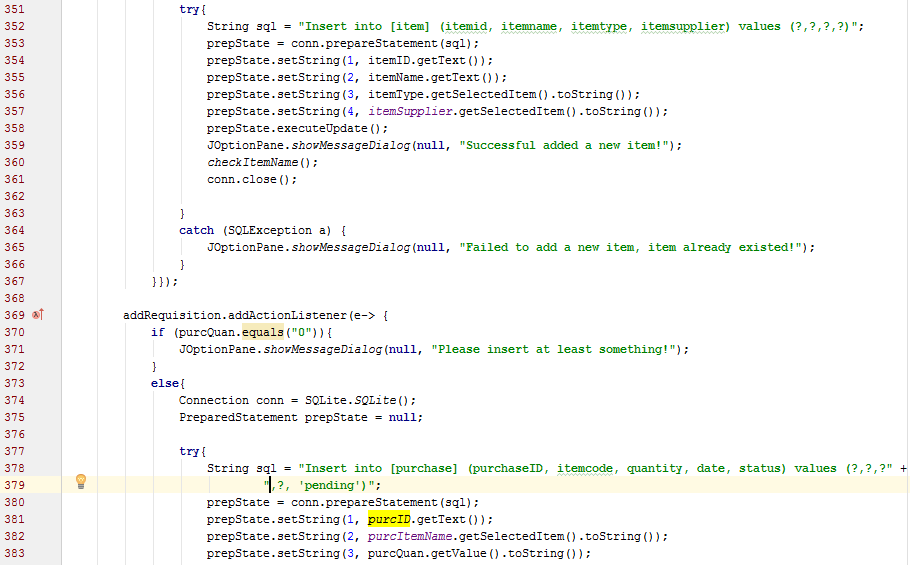
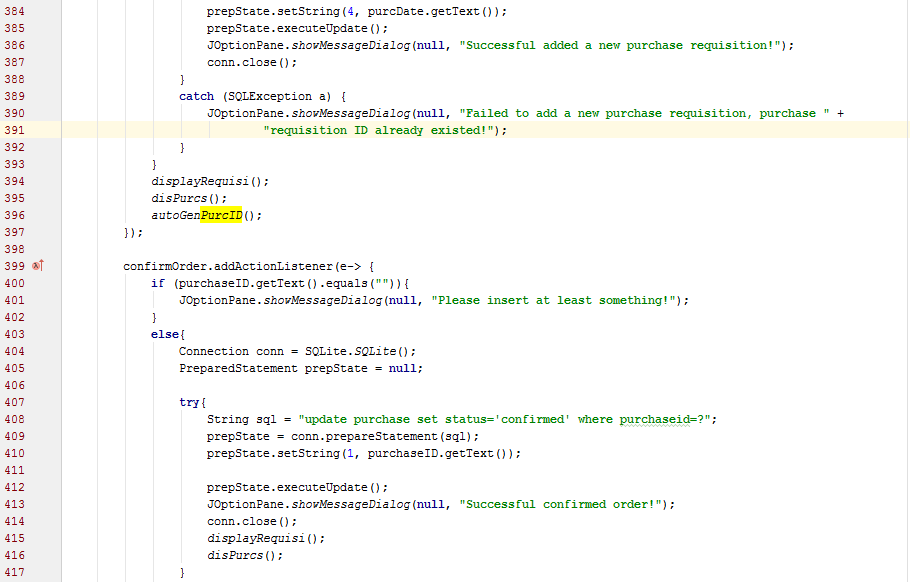
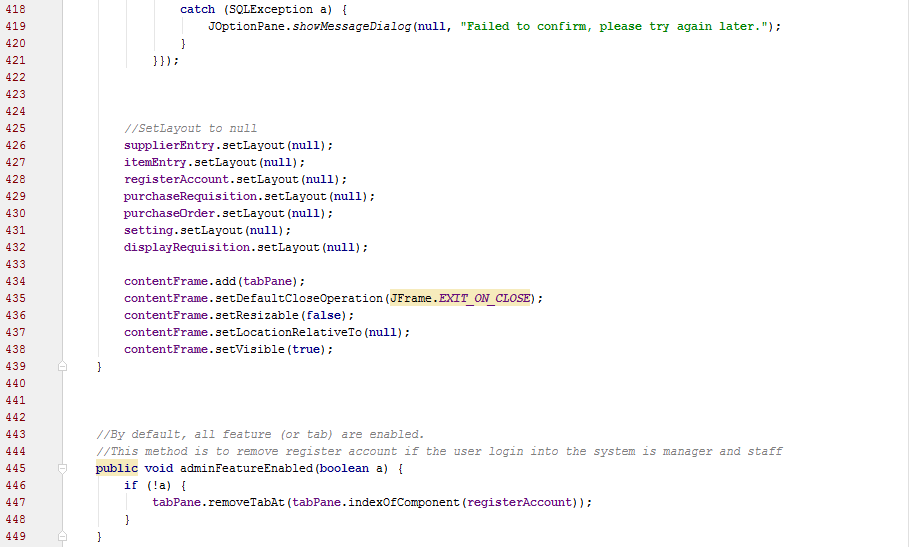
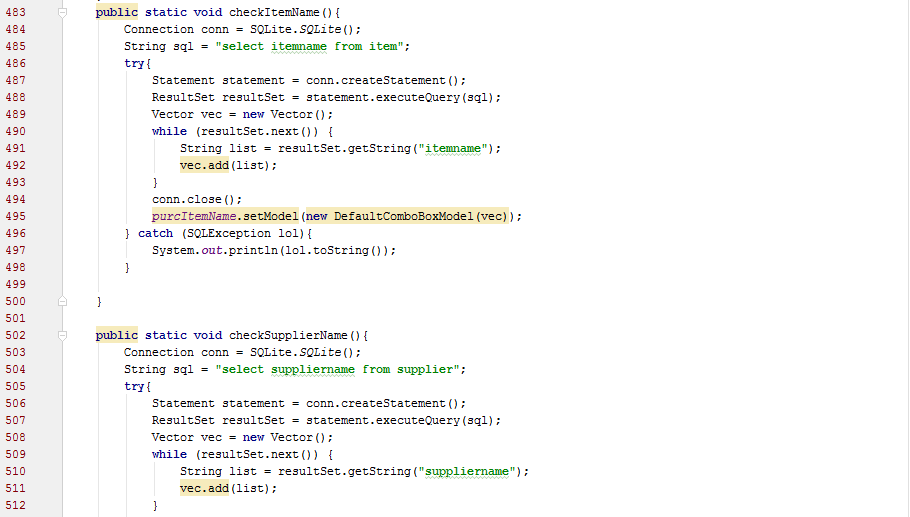


## ContentPage.java

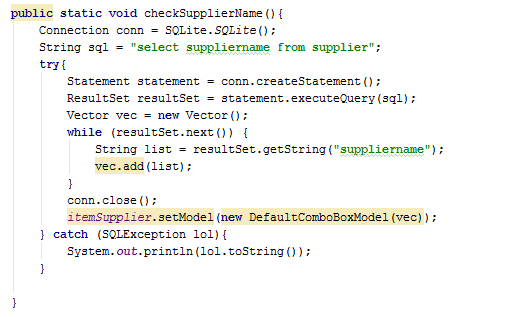
 

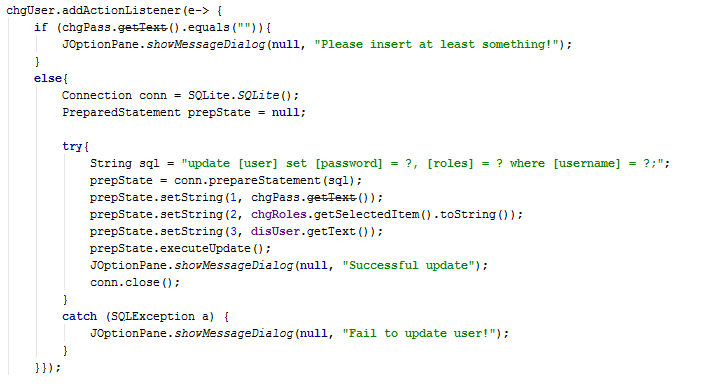


# Extra Features

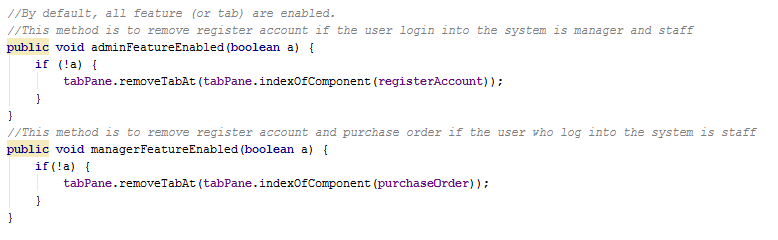
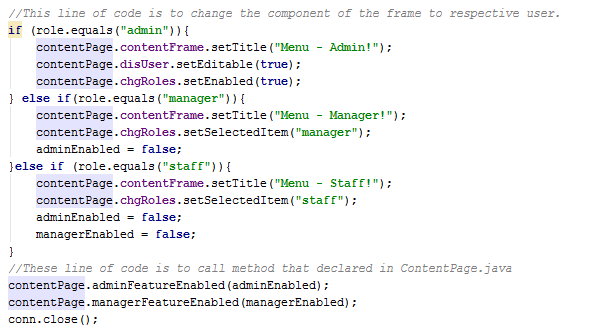
1. Some item in JComboBox inside contentFrame are automatically generated from database.



1. User can change their password, admin can change their own username, pass and roles and their manager and staff login information.



1. Enable and disable features based on what roles they have.

# References

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