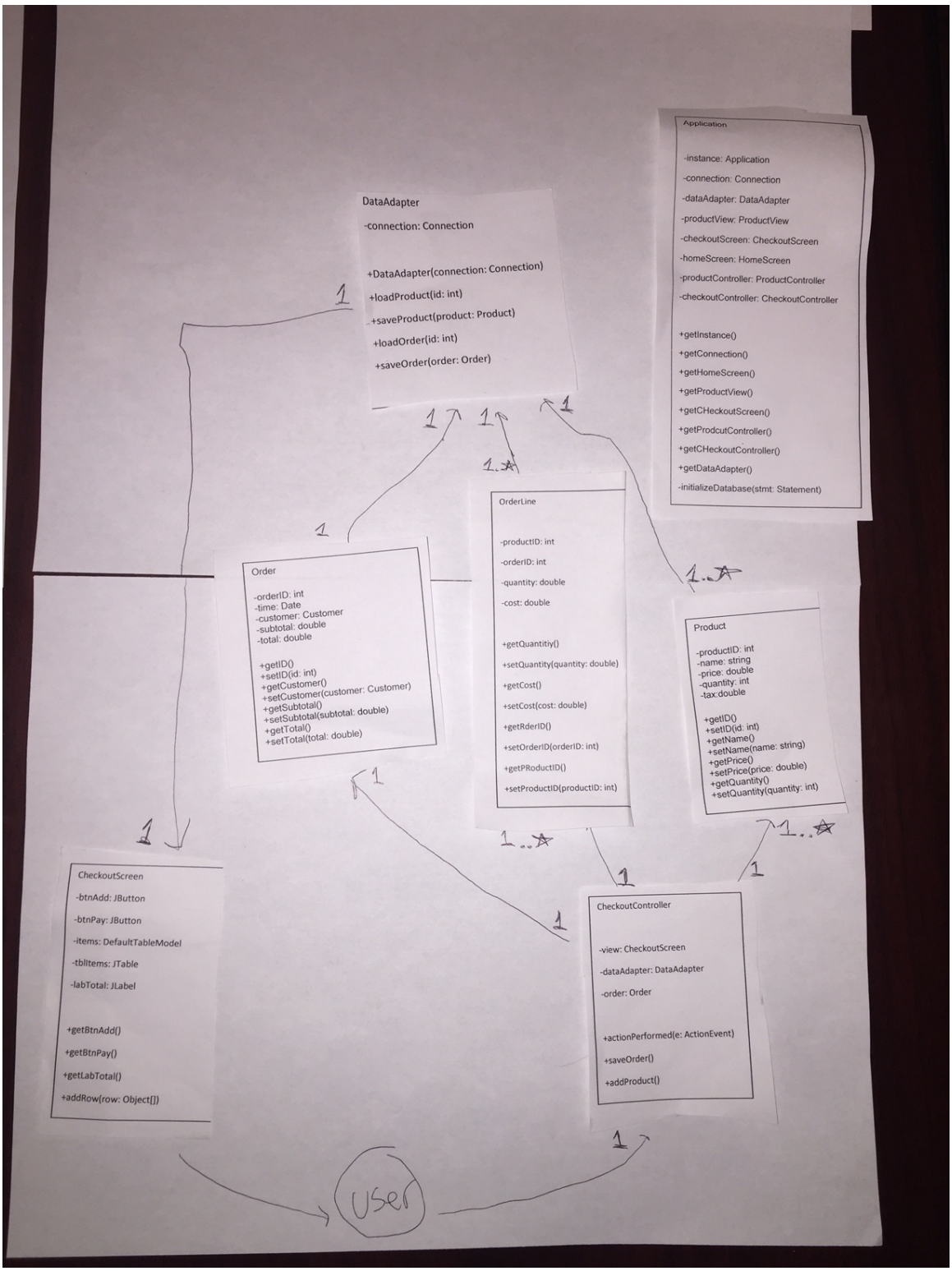
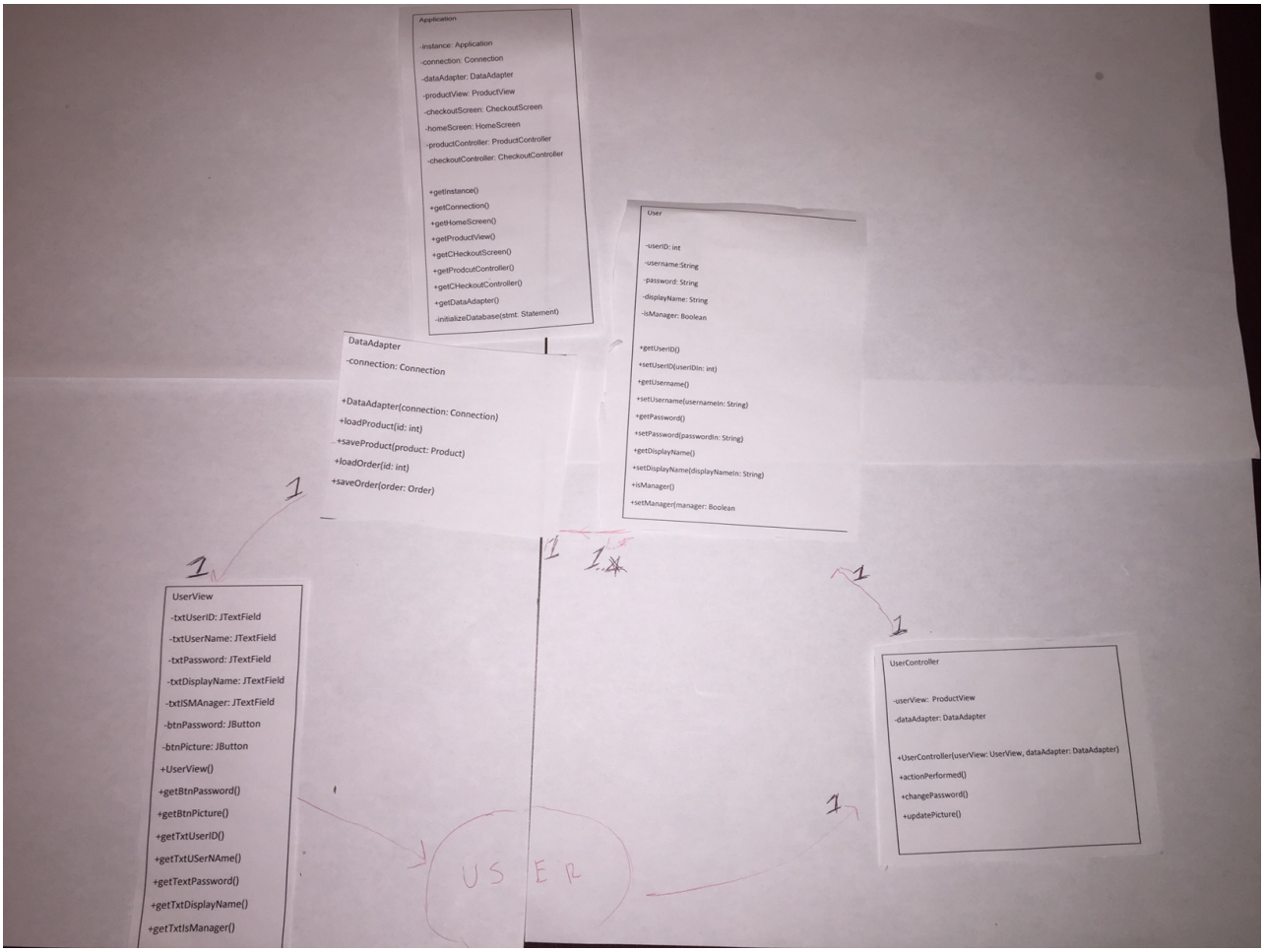
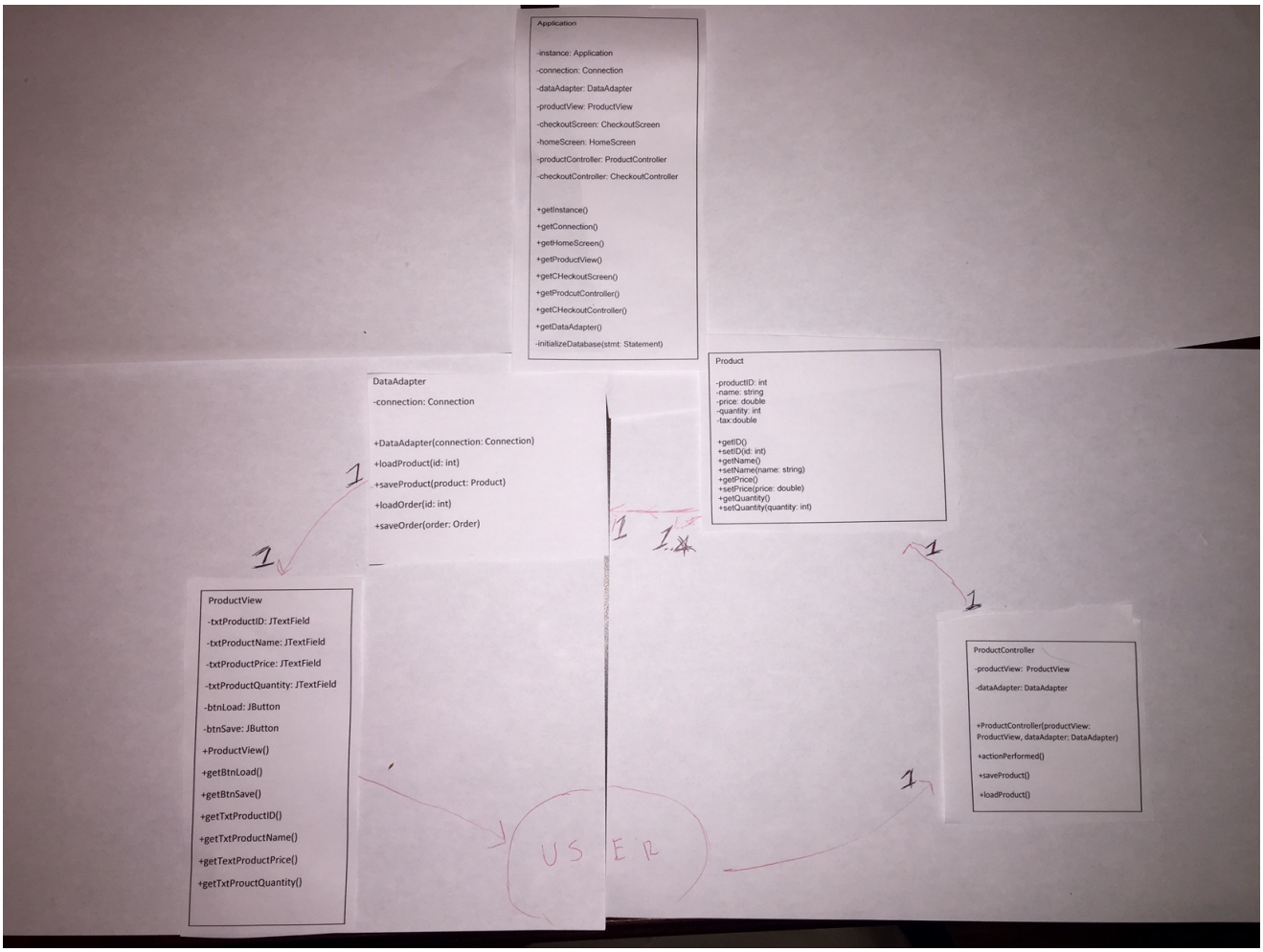
Russell Whaley and Michael Lee
Iteration 2 Class Diagrams




Application
-instance: Application
-connection: Connection
-dataAdapter: DataAdapter
-productView: ProductView
-checkoutScreen: CheckoutScreen
-homeScreen: HomeScreen
-productController: ProductController
-checkoutController: CheckoutController
+getInstance()
+getConnection()
+getHomeScreen()
+getProductView()
+getCHeckoutScreen()
+getProdcutController()
+getCHeckoutController()
+getDataAdapter()
-initializeDatabase(stmt: Statement)
DataAdapter
-connection: Connection
+DataAdapter(connection: Connection)
+loadProduct(id: int)
+saveProduct(product: Product)
+loadOrder(id: int)
+saveOrder(order: Order)
User
-userID: int
-username:String
-password: String
-displayName: String
-isManager: Boolean
+getUserID()
+setUserID(userIDIn: int)
+getUsername()
+setUsername(usernameIn: String)
+getPassword()
+setPassword(passwordIn: String)
+getDisplayName()
+setDisplayName(displayNameIn: String)
+isManager()
+setManager(manager: Boolean
UserView
-txtUserID: JTextField
-txtUserName: JTextField
-txtPassword: JTextField
-txtDisplayName: JTextField
-txtISMAnager: JTextField
-btnPassword: JButton
-btnPicture: JButton
+UserView()
+getBtnPassword()
+getBtnPicture()
+getTxtUserID()
+getTxtUSerNAme()
+getTextPassword()
+getTxtDisplayName()
+getTxtIsManager()
UserController
-userView: ProductView
-dataAdapter: DataAdapter
+UserController(userView: UserView, dataAdapter: DataAdapter)
+actionPerformed()
+changePassword()
+updatePicture()
USER
1
1
1
1
1
1
1
1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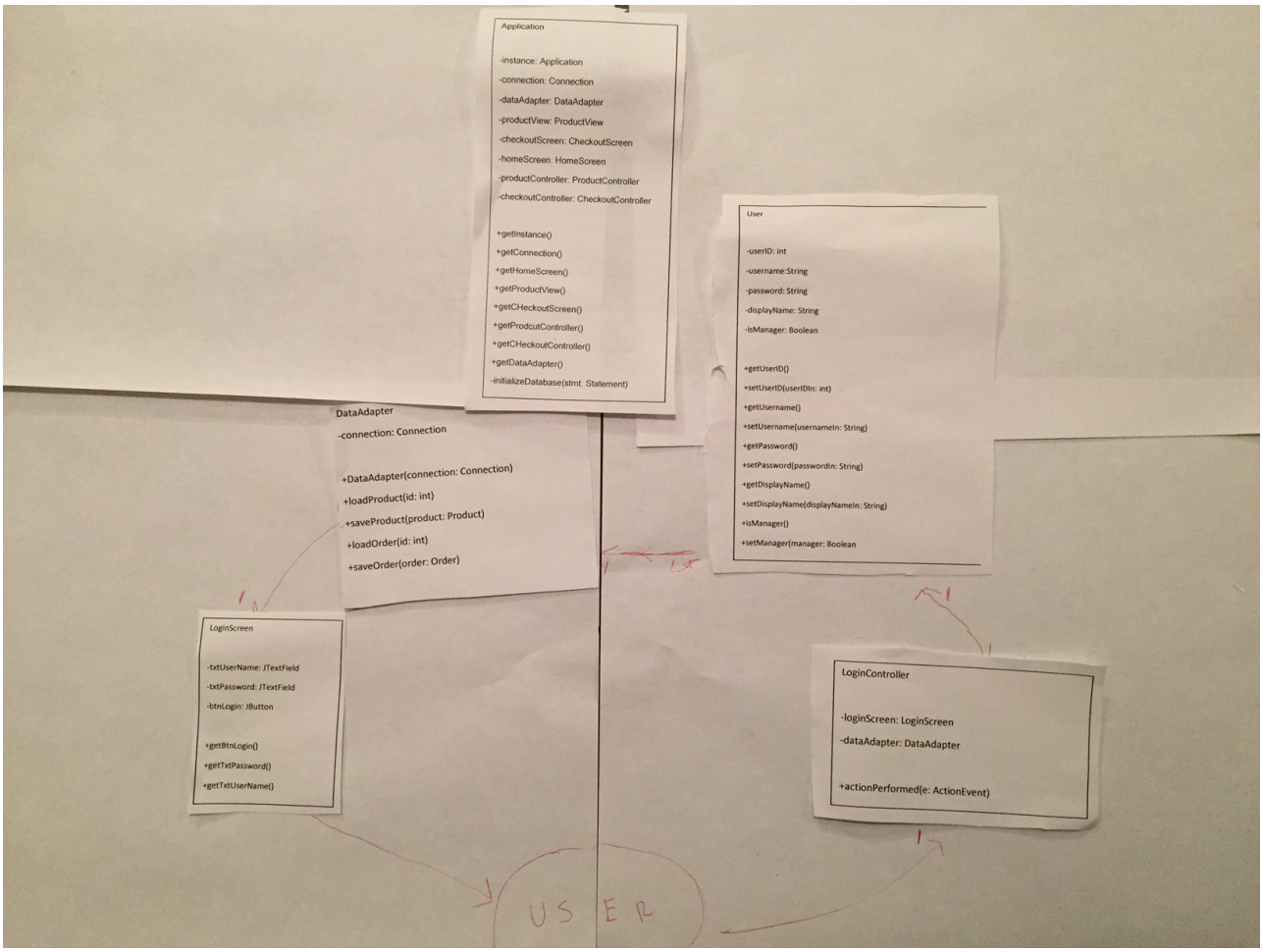
+getCHeckoutScreen()
+getProdcutController()
+getCHeckoutController()
+getDataAdapter()
-initializeDatabase(stmt: Statement)
DataAdapter
-connection: Connection
+DataAdapter(connection: Connection)
+loadProduct(id: int)
+saveProduct(product: Product)
+loadOrder(id: int)
+saveOrder(order: Order)
Product
-productID: int
-name: string
-price: double
-quantity: int
-tax:double
+getID()
+setID(id: int)
+getName()
+setName(name: string)
+getPrice()
+setPrice(price: double)
+getQuantity()
+setQuantity(quantity: int)
ProductView
-txtProductID: JTextField
-txtProductName: JTextField
-txtProductPrice: JTextField
-txtProductQuantity: JTextField
-btnLoad: JButton
-btnSave: JButton
+ProductView()
+getBtnLoad()
+getBtnSave()
+getTxtProductID()
+getTxtProductName()
+getTextProductPrice()
+getTxtProuctQuantity()
ProductController
-productView: ProductView
-dataAdapter: DataAdapter
+ProductController(productView: ProductView, dataAdapter: DataAdapter)
+actionPerformed()
+saveProduct()
+loadProduct()
USER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+getHomeScreen()
+getProductView()
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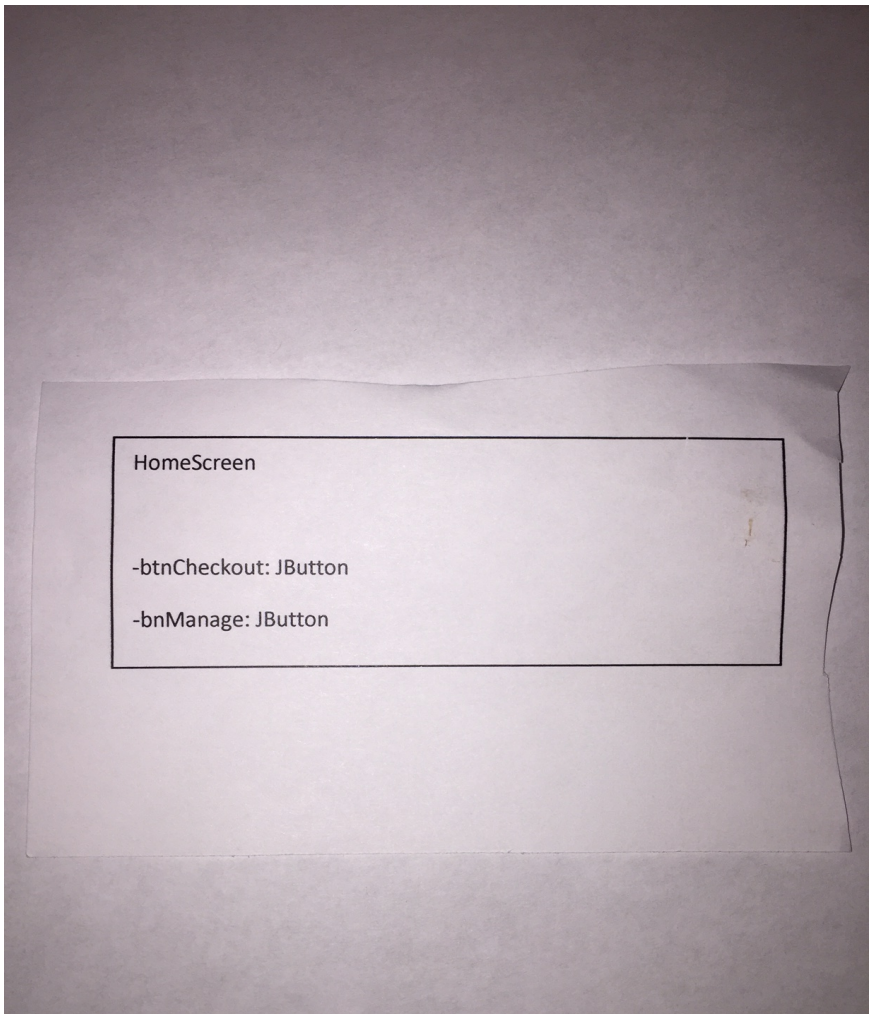
+getProdcutController()
+getCHeckoutController()
+getDataAdapter()
-initializeDatabase(stmt: Statement)
User
-userID: int
-username:String
-password: String
-displayName: String
-isManager: Boolean
+getUserID()
+setUserID(userIDIn: int)
+getUsername()
+setUsername(usernameIn: String)
+getPassword()
+setPassword(passwordIn: String)
+getDisplayName()
+setDisplayName(displayNameIn: String)
+isManager()
+setManager(manager: Boolean
DataAdapter
-connection: Connection
+DataAdapter(connection: Connection)
+loadProduct(id: int)
+saveProduct(product: Product)
+loadOrder(id: int)
+saveOrder(order: Order)
LoginScreen
-txtUserName: JTextField
-txtPassword: JTextField
-btnLogin: JButton
+getBtnLogin()
+getTxtPassword()
+getTxtUserName()
LoginController
-loginScreen: LoginScreen
-dataAdapter: DataAdapter
+actionPerformed(e: ActionEvent)
USER


HomeScreen
-btnCheckout: JButton
-bnManage: JButton