포스기 프로젝트

4조 김용선 김태균 노예슬

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사용자 요구사항

로그인페이지

아이디와 패스워드로 로그인 직원과 매니저, 점장의 아이디 비번이 달라 접근할 수 있는 페이지가 다릅니다. 로그인 페이지에는 회원가입 버튼이 있어서 직원 회원가입이 가능합니다.

회원가입 페이지

정보는 이름, ID, PW, 전화번호, 직급이 들어갑니다.

로그인 후 들어가는 페이지 에서는 메뉴계산과 매장관리 버튼이 있고, 직원의 ID는 메뉴계산페이지만 들어갈 수 있고, 매니저, 점장의 ID는 메뉴계산과 매장관리 모두 들어갈 수 있습니다.

메뉴계산 페이지

메뉴계산 페이지에서는 메인메뉴, 사이드메뉴 음료수, 세트메뉴 관한 탭이 있습니다. 각각의 탭의 메뉴버튼들은 제품 관리에서 확인할 수 있는 제품들로 동적으로 구성되며 클릭하면 손님이 선택한 샌드위치의 구성을 알 수 있습니다. 주문버튼과 주문취소 버튼을 만들고 주문버튼 선택시 손님이 고른 메뉴의 총 결제금액을 출력할 수 있고, 주문취소를 누르면 손님이 선택한 메뉴의 정보들을 삭제합니다.

매장관리 페이지

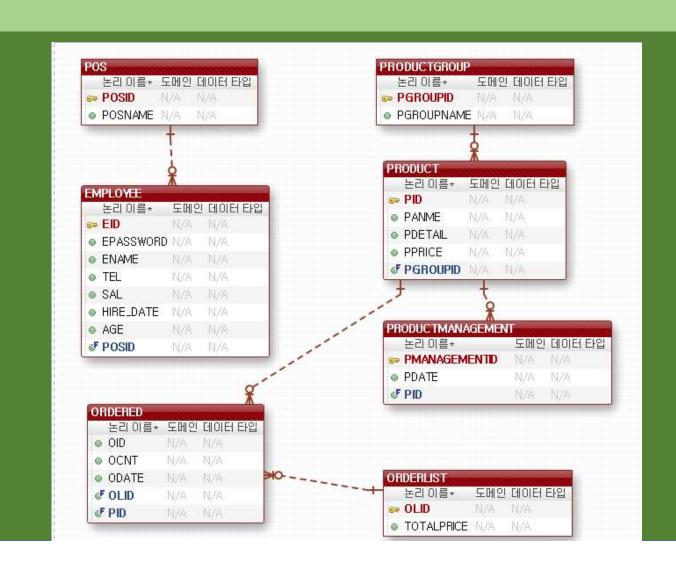
매장관리 페이지에서는 직원관리, 제품관리, 재고관리, 매출관리의 3탭으로 나뉘어져 관리할 수 있습니다.

간트차트

간트차트

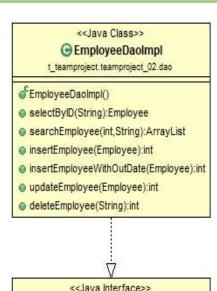
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ER 다이어그램



클래스 다이어그램_dao

<< lava Class>> ProductDaolmpl t teamproject.teamproject 02.dao ProductDaolmpl() selectByID(int):Product searchProduct(int,String):ArrayList insertProduct(Product):int updateProduct(Product):int deleteProduct(int):int selectProductNameOrderByName():ArrayList<String> searchProductByGroupNameAsc(String):ArrayList<Product> <<Java Interface>> 1 ProductDao t_teamproject.teamproject_02.dao selectByID(int):Product searchProduct(int,String):ArrayList insertProduct(Product):int updateProduct(Product):int o deleteProduct(int):int selectProductNameOrderByName():ArrayList<String> searchProductByGroupNameAsc(String):ArrayList<Product>



EmployeeDao

t teamproject.teamproject 02.dao

searchEmployee(int,String):ArrayList

insertEmployeeWithOutDate(Employee):int

selectBylD(String):Employee

insertEmployee(Employee):int

updateEmployee(Employee):int

deleteEmployee(String):int

insertOrder(String[],ArrayList<Product>):int <<Java Interface>> 1 OrderDao insertOrder(String[],ArrayList<Product>):int

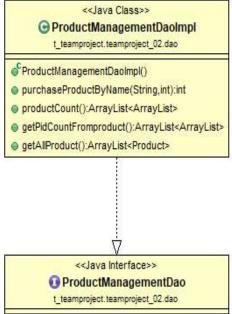
OrderDaolmpl()

<< lava Class>>

OrderDaolmpl

t teamproject.teamproject 02.dao

o getSalesPerformanceGroupByDay():ArrayList<ArrayList> @ getSalesPerformanceGroupByMonth():ArrayList<ArrayList> o getSalesPerformanceGroupByYear():ArrayList<ArrayList> @ getSalesPerformanceGroupByName():ArrayList<ArrayList> t_teamproject.teamproject_02.dao purchaseProductByName(String,int):int getSalesPerformanceGroupByDay():ArrayList<ArrayList> productCount():ArrayList<ArrayList> getSalesPerformanceGroupByMonth():ArrayList<ArrayList> getAllProduct():ArrayList<Product> getSalesPerformanceGroupByYear():ArrayList<ArrayList> getPidCountFromproduct():ArrayList<ArrayList> @ getSalesPerformanceGroupByName():ArrayList<ArrayList>



클래스 다이어그램_vo

<<Java Class>>

⊕ Employee

t_teamproject.teamproject_02.vo

- id: String
- password: String
- name: String
- a tel: String
- a sal: int
- nhire_date: String
- position: String
 age: int
- ©Employee()
- Employee(String, String, String, String, int, String, String, int)
- changePosNameToPosld(String):int
- getAge():int
- setAge(int):void
- getld():String
- setId(String):void
- getPassword():String
- setPassword(String):void
- getName():String
- setName(String):void
- getTel():String
- setTel(String):void
- getSal():int
- setSal(int):void
- getHire_date():String
- setHire_date(String):void
- getPosition():String
- setPosition(String):void

<<Java Class>>

@ Product

t_teamproject.teamproject_02.vo

- a id: int
- groupName: String
- name: String
 price: int
- prico: int
- detail: String
- Product()
- Product(int, String, String, int, String)
- toString():String
- toStringForOrderList(int):String
- changePGIDtoGroupName(int):String
- changeGroupNametoPGID(String):int
- getGroupName():String
- setGroupName(String):void
- getId():int
- setId(int):void
- getName():String
- setName(String):void
- getPrice():int
- setPrice(int):void
- getDetail():String
- setDetail(String):void

<<Java Class>>

● OrderList

t_teamproject.teamproject_02.vo

- a id: int
- u totalPrice: int
- COrderList()
- CorderList(int,int)
- getId():int
- setId(int):void
- getTotalPrice():int
- setTotalPrice(int):void

<<Java Class>>

○ Ordered

t_teamproject.teamproject_02.vo

- a oid: int
- pid: int
- count: int
- a date: String
- cid: int
- Ordered()
- Cordered(int,int,int,String,int)
- getOid():int
- setOid(int):void
- getPid():int
- setPid(int):void
- getCount():int
- setCount(int):void
- getDate():String
- setDate(String):void
- getCid():int
- setCid(int):void

클래스 다이어그램 view_frame

<<.lava Class>>

⊕ LoginFrame

teamproject.teamproject 02.view.frame

- △ employeedao: EmployeeDao
- △ tfld: .ITextField
- △ tfPassword: JPasswordField
- △ signUp: JButton
- △ signIn: JButton
- △ panel: BackgroundAnimatedPanel
- △ imagelcon: Imagelcon
- o^CLoginFrame()
- display():void
- eventProc():void
- o connectDB():void
- loginProcess():void
- moveToRegisterFrame():void

<<Java Class>>

⊕ LoginFrameButtonEvent

t teamproject.teamproject 02.view.frame

- ▲ LoginFrameButtonEvent()
- actionPerformed(ActionEvent):void

ProductPurchaseFrame

t_teamproject.teamproject_02.view.frame

- △ productManagementmodel: ProductManagementDao
- △ productDaoModel: ProductDao
- △ comboBoxMenuArray: String[]
- △ comboBoxMenu: JComboBox
- △ itextFieldCount: JTextField
- △ confirmButton: JButton
- display():void
- eventProc():void
- o connectDB():void
- purchaseProduct():void

<<Java Class>>

⊙ SendMailFrame

t_teamproject.teamproject_02.view.frame

- △ productNameList: String∏
- △ productCountList: int∏
- △ productPriceList: int[]
- △ totalPrice: int
- △ idTextField: JTextField
- △ passwordField: JPasswordField
- △ toldTextField: JTextField
- △ sendButton: JButton
- △ sendMail: SendMail
- SendMailFrame(String[],int[],int[],int)
- display():void
- eventProc():void
- makeMainContent():String

ManagementFrame

t_teamproject.teamproject_02.view.frame

- △ employee: Employee
- △ imenubar: JMenuBar
- △ menu: JMenu
- △ imenuitem1: JMenuItem
- △ imenuitem2: JMenuItem
- △ itabbepedPane: JTabbedPane
- △ jtabbedPaneltem: String[]
- △ employeeManageMentPanel: EmployeeManageMentPanel
- △ productManagementPanel: ProductManagementPanel
- △ productCountGraphPanel: ProductCountGraphPanel
- △ salesManagementGraphPanel: SalesManagementGraphPanel
- ManagementFrame(Employee)
- display():void
- eventProc():void
- getEmployee():Employee
- setEmployee(Employee):void

<<Java Class>>

⊙ OrderListFrame

t_teamproject.teamproject_02.view.frame

- △ rightPanel: JPanel
- △ calculationList: JList
- △ sendOrderListButton: JButton
- △ productStringList: String[]
- △ productNameList: String[]
- △ productCountList: int[]
- △ productPriceList: int∏
- △ totalPrice: int
- display():void
- eventProc():void
- decodeProductStringList():void

<<Java Class>>

SelectFrame

t teamproject.teamproject 02.view.frame

- △ lb: JButton
- △ rb: JButton
- △ employee: Employee
- SelectFrame(Employee)
- display():void

- eventProc():void

<<Java Class>>

t_teamproject.teamproject_02.view.frame

- △ employeeDaomodel: EmployeeDao
- △ itextFieldEmployeeName: JTextField
- △ jtextFieldEmployeeTel: JTextField
- △ jtextFieldEmployeeld: JTextField
- △ jpasswordField: JPasswordField
- △ jpasswordField2: JPasswordField
- △ jtextFieldAge: JTextField
- △ registerEmployeeButton: JButton
- △ cancelButton: JButton
- RegisterFrame()
- display():void
- eventProc():void
- connectDB():void
- registerEmployee():void
- registerCancel():void

<<Java Class>>

⊙ EventHandler

t_teamproject.teamproject_02.view.frame

- EventHandler()
- actionPerformed(ActionEvent):void

<<Java Class>>

MenuButtonHandler

t teamproject.teamproject 02.view.frame

- ▲ MenuButtonHandler()
- actionPerformed(ActionEvent):void

<<Java Class>>

○ CalculationFrame

t_teamproject.teamproject_02.view.frame

- △ employee: Employee
- △ calProductList: ArrayList<Product>
- △ imenubar: JMenuBar
- △ menu: JMenu
- △ imenuitem1: JMenuItem
- △ imenuitem2: JMenuItem
- △ jtabbepedPane: JTabbedPane
- △ itabbedPaneltem: String[]
- △ menuPanelList: ProductMenuListPanel[]
- △ pmimpl: ProductManagementDao
- △ pimpl: ProductDao
- △ orderDaolmpl: OrderDao
- △ rightPanel: JPanel
- △ calculationList: JList
- △ orderButton: JButton
- △ cancelButton: JButton
- △ shoppingCart: int∏∏
- △ productCount: int∏∏ △ productStringList: String[]

- display():void eventProc():void
- o connectDB():void
- initializeProductCountAndshoppingCart():void
- makeListStringArray(int[][],int[][]):String[]
- initializeList():void
- subProductCountFromShoppingCart():void
- getEmployee():Employee
- setEmployee(Employee):void

클래스 다이어그램_view_panel

<<Java Class>>

● ProductManagementPanel

t_teamproject.teamproject_02.view.panel

- △ productDaoModel: ProductDao
- △ productManagementDaoModel: ProductManagementDao
- △ managementFrame: ManagementFrame
- △ left panel: JPanel
- △ right_panel: JPanel
- △ jcomboBoxSearchOption: JComboBox
- △ itextFieldSearch: JTextField
- △ productTable: JTable
- △ myProductTableModel: MyProductTableModel
- △ productPurchaseButton: JButton
- △ itextFieldProductId: JTextField
- △ jcomboBoxProductGroupName: JComboBox
- △ jtextFieldProductName: JTextField
- △ jtextFieldProductPrice: JTextField
- △ jtextAreaProductDetail: JTextArea
- △ imagelcon: Imagelcon
- △ productelmageLabel: JLabel
- △ imageUploadButton: JButton
- △ registerProductButton: JButton
- △ updateProductButton: JButton
- △ deleteProductButton: JButton

FroductManagementPanel(ManagementFrame)

- display():void
- eventProc():void
- connectDB():void
- imageUpload():void
- searchProduct():void
- registerProduct():void
- updateProduct():void
- deleteProduct():void
- openPurchaseFrame():void

<<Java Class>>

● ProductMenuListPanel

t teamproject.teamproject 02.view.panel

- △ calculationFrame: CalculationFrame
- △ productDaoModel: ProductDao
- △ productManageMentModel: ProductManagementDao
- △ menuGroupName: String
- △ menuButtonList: MenuButton[]
- △ productList: ArrayList<Product>
- FroductMenuListPanel(CalculationFrame.String)
- displayComponentLoad():void
- display():void
- o connectDB():void
- getMenuButtonList():MenuButton∏
- setMenuButtonList(MenuButton∏):void
- getProductList():ArrayList<Product>
- setProductList(ArrayList<Product>):void

<<Java Class>> G EventHandler

t_teamproject.teamproject_02.view.panel

CEventHandler()

1394

actionPerformed(ActionEvent):void

<<Java Class>>

- ⊕ BackgroundAnimatedPanel
 t_teamproject.teamproject_02.view.panel
- △ image: Image
- paintComponent(Graphics):void

<<Java Class>>

● ProductCountGraphPanel

- t teamproject.teamproject 02.view.panel
- △ managementFrame: ManagementFrame
- △ wrapperPanel: JPanel
- △ demo: BarChartProductCount
- △ chart: JFreeChart
- △ chartPanel: ChartPanel
- display():void
- o renewal():void

<<Java Class>>

SalesManagementGraphPanel

t teamproject.teamproject 02.view.panel

- △ demo: SalesManagementChart
- △ chart: JFreeChart
- △ chartPanel: ChartPanel
- △ comboboxOption: JComboBox
- △ optionList: String[]
- △ upPanel: JPanel
- △ wrapperPanel: JPanel
- △ option: int
- SalesManagementGraphPanel()
- display():void
- eventProc():void
- o renewal():void

<<Java Class>>

● EventHandler

t_teamproject.teamproject_02.view.panel

- ▲ EventHandler()
- itemStateChanged(ItemEvent):void

<<Java Class>>

⊕ EventHandler

t_teamproject.teamproject_02.view.panel

- EventHandler()
- actionPerformed(ActionEvent):void

<<Java Class>>

⊕ EmployeeManageMentPanel

t teamproject.teamproject 02.view.panel

- △ employeeDaomodel: EmployeeDao
- △ managementFrame: ManagementFrame
- △ left_panel: JPanel
- △ right panel: JPanel
- △ jcomboBoxSearchOption: JComboBox
- △ itextFieldSearch: JTextField
- △ employeeTable: JTable
- △ myEmployeeTableModel: MyEmployeeTableModel
- △ jtextFieldEmployeeName: JTextField
- △ jComboBoxEmployeePosition: JComboBox
- △ jtextFieldEmployeeTel: JTextField
- △ jtextFieldEmployeeld: JTextField
- △ jtextFieldHire_date: JTextField
- △ jtextFieldSal: JTextField
- △ jtextFieldAge: JTextField
- △ imagelcon: Imagelcon
- △ employeelmageLabel: JLabel
- △ imageUploadButton: JButton
- △ registerEmployeeButton: JButton
- △ updateEmployeeButton: JButton
- △ deleteEmployeeButton: JButton
- display():void
- connectDB():void
- eventProc():void
- imageUpload():voidsearchEmployee():void
- registerEmployee():void
- updateEmployee():void
- deleteEmployee():void

클래스 다이어그램_기타

<<Java Class>>

© Configuration

t_teamproject.teamproject_02.config

Sefurl: String

SFuser: String

Surpassword: String

Configuration()

<<Java Class>>

⊚ SendMail

t_teamproject.teamproject_02.sendmail

- SendMail()
- sendMail(String,String,String,String):void

<<Java Class>>

⊕ BarChartProductCount

t_teamproject.teamproject_02.jfreechart

- BarChartProductCount()
- getChart():JFreeChart

<<Java Class>>

⊚ SalesManagementChart

t_teamproject.teamproject_02.jfreechart

- SalesManagementChart()
- getChart(int):JFreeChart

<<Java Class>>

⊕ MyProductTableModel

t_teamproject.teamproject_02.view.table

- □ columNames: String[]
- △ data: ArrayList
- getRowCount():int
- getColumnCount():int
- getValueAt(int,int):Object
- setValueAt(Object,int,int):void
- getColumnName(int):String
- setColumnName(String[]):void
- @ getData():ArrayList
- setData(ArrayList):void

<<Java Class>>

⊕ MyEmployeeTableModel

t_teamproject.teamproject_02.view.table

- columnName: String[]
- data: ArrayList
- MyEmployeeTableModel()
- getRowCount():int
- getColumnCount():int
- getValueAt(int,int):Object
- getColumnName(int):String
- setValueAt(Object,int,int):void
- getColumnName():String[]
- setColumnName(String∏):void
- getData():ArrayList
- setData(ArrayList):void

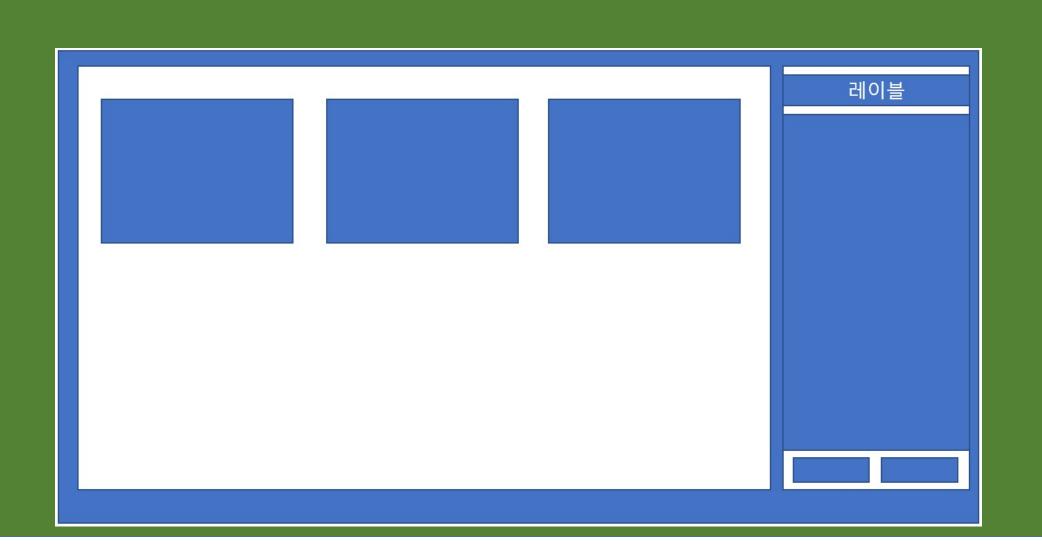
<<Java Class>>

MenuButton

t_teamproject.teamproject_02.view.button

- △ p: Product
- △ imagelcon: Imagelcon
- MenuButton(Product)
- display():void
- setImagelcon():void
- eventProc():void
- @ getP():Product
- setP(Product):void

화면 설계_계산화면



화면 설계_검색화면



화면_로그인



화면_직원등록창

▲ 직원 등록 창		NI-01		×
직원 정	보 입력			
DFOICI				
비밀번호				
비밀변호확인				
미름				
전화변호				
_F0I				
직원 정보 등록		취	소	

화면_계산화면

메인메뉴 사이드메뉴 음료수 세트메뉴



로티세리 바비큐 치킨

Rotisserie Barbecue Chicken

350 kcal



풀드포크

Pulled Pork

420 kcal





비엘티

B.L.T.

380 kcal

주문

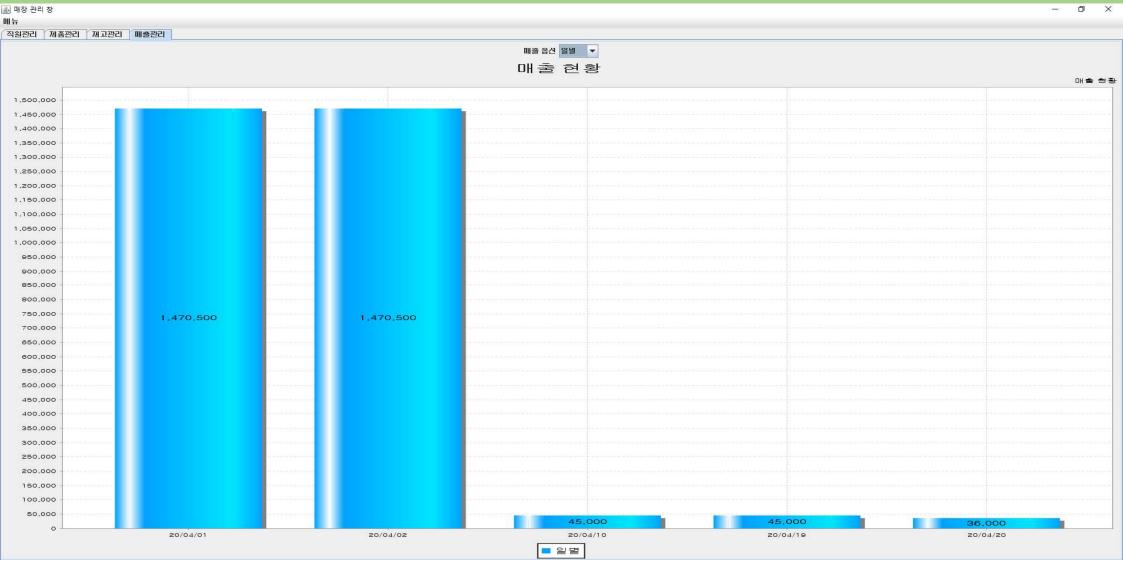
메뉴

수량

가격

전체취소

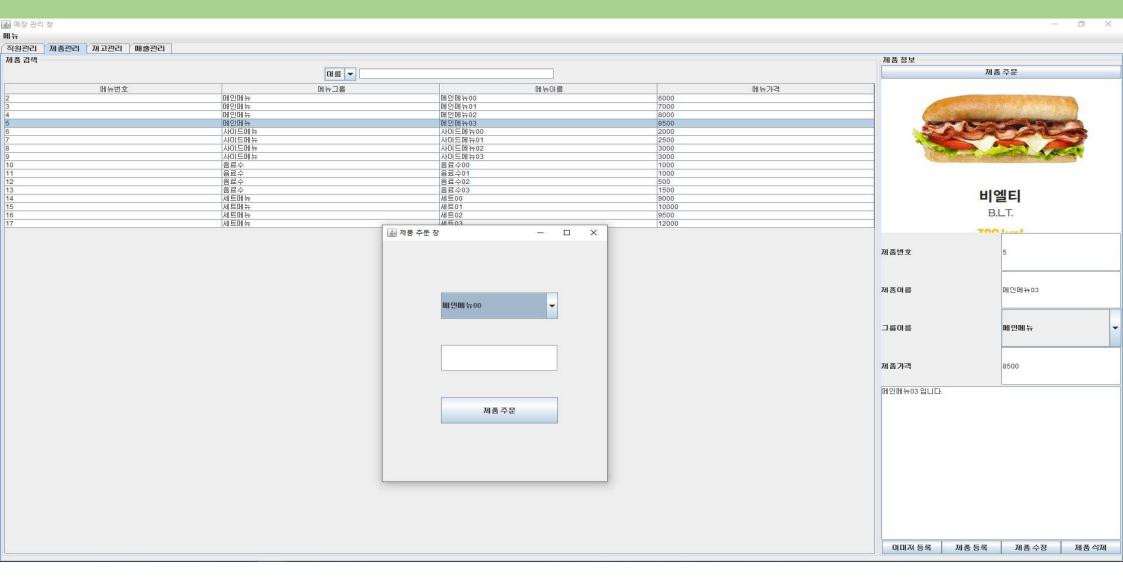
화면_매출관리창



화면_재고관리창



화면_제품주문창



화면_직원관리화면

