Activity 4

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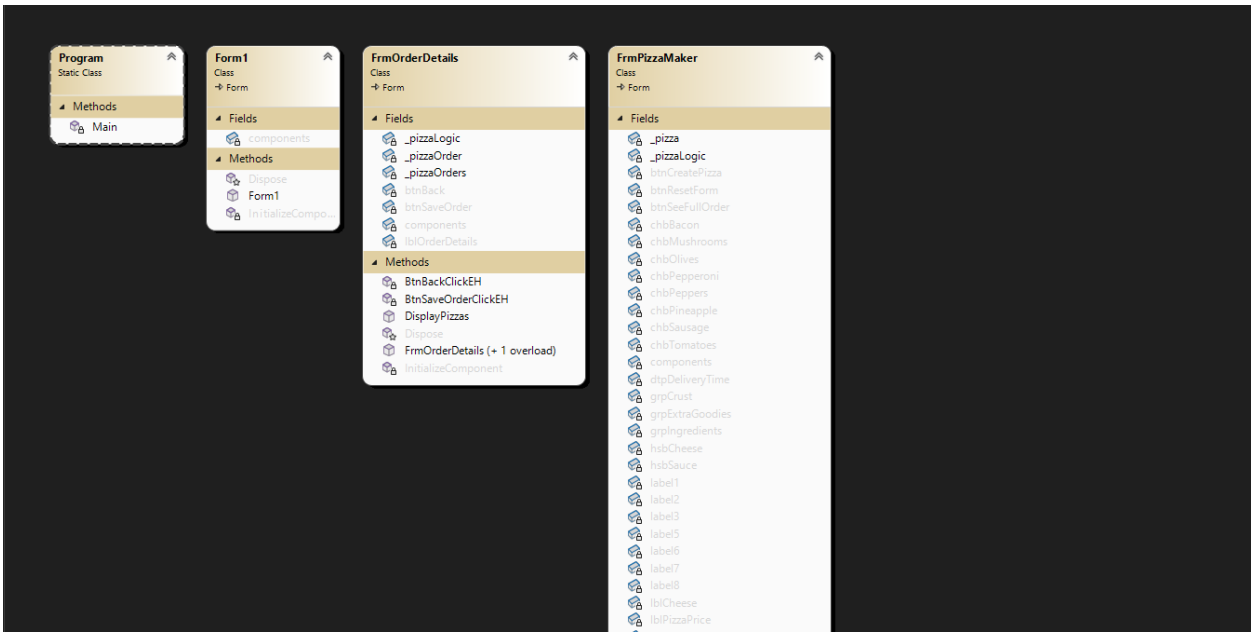
Grand Canyon University

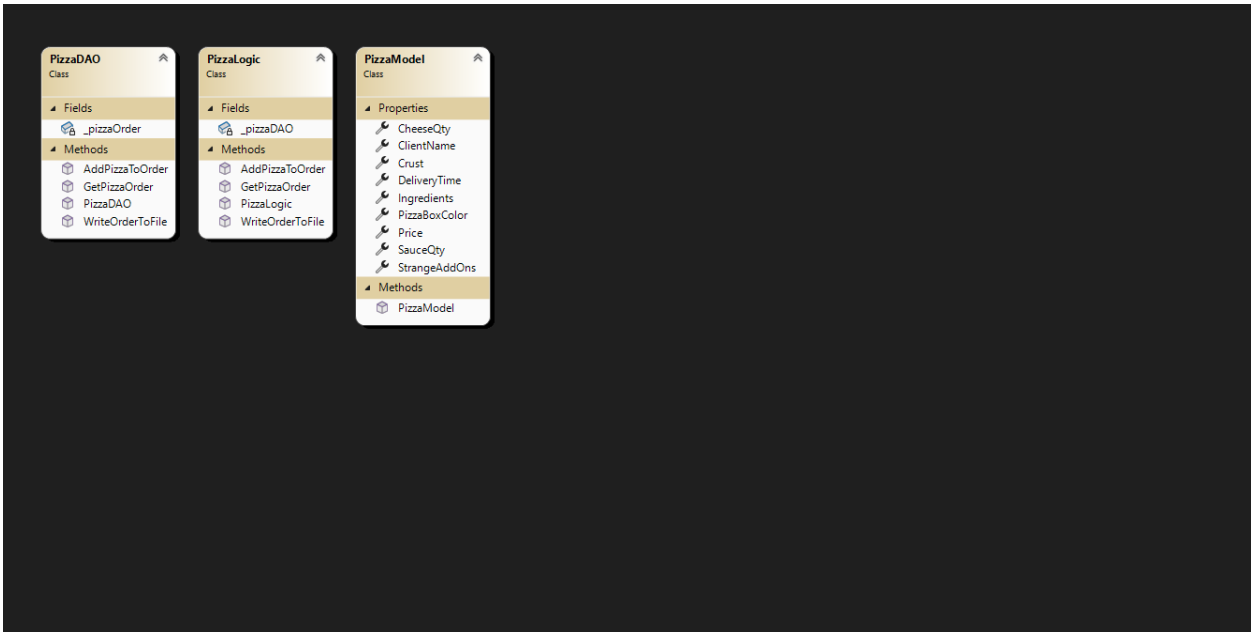
Course Number: CST-250

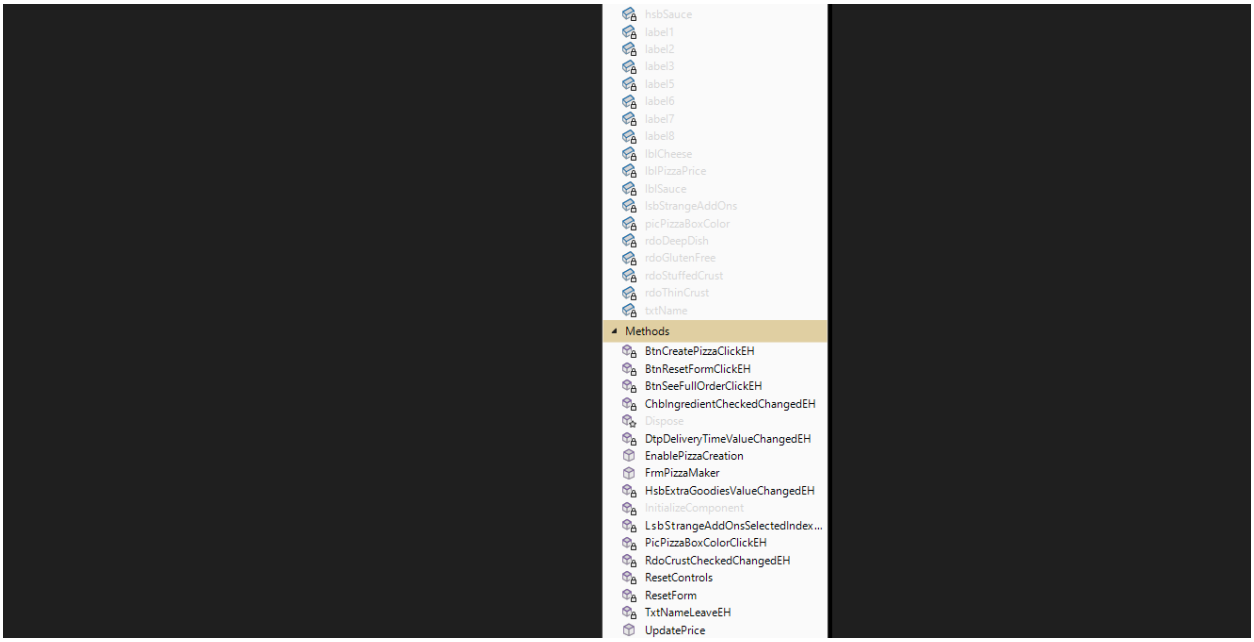
Github Repo:

https://github.com/cziongcu/PizzaMaker

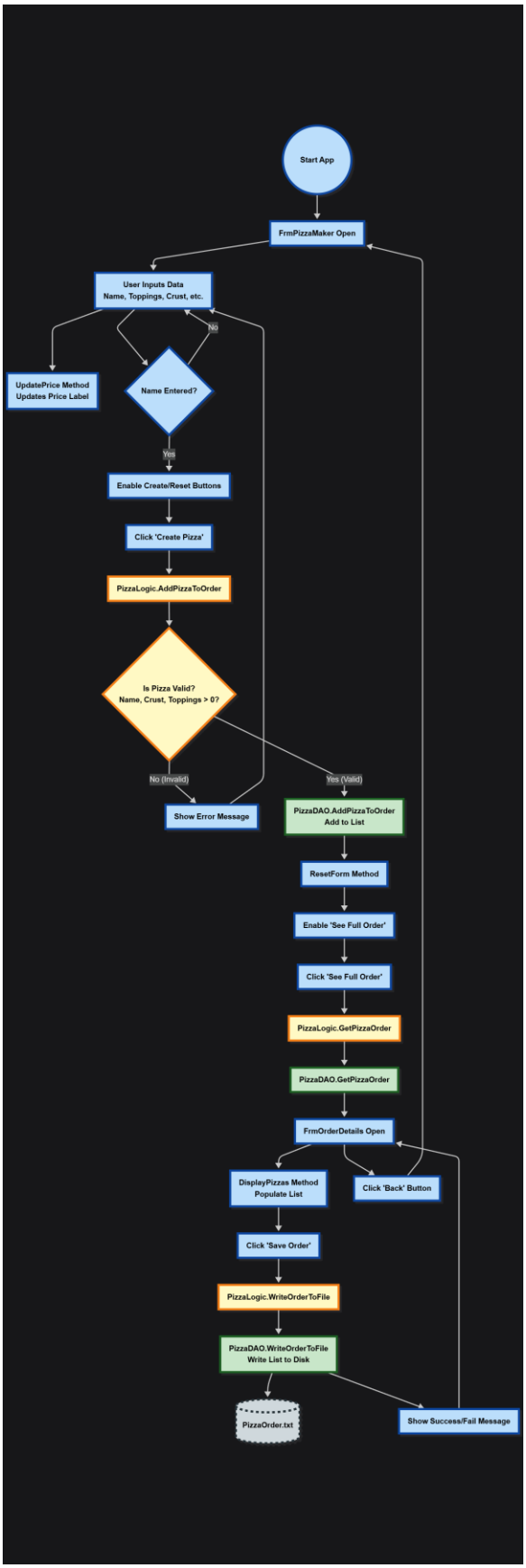
UML Diagrams:



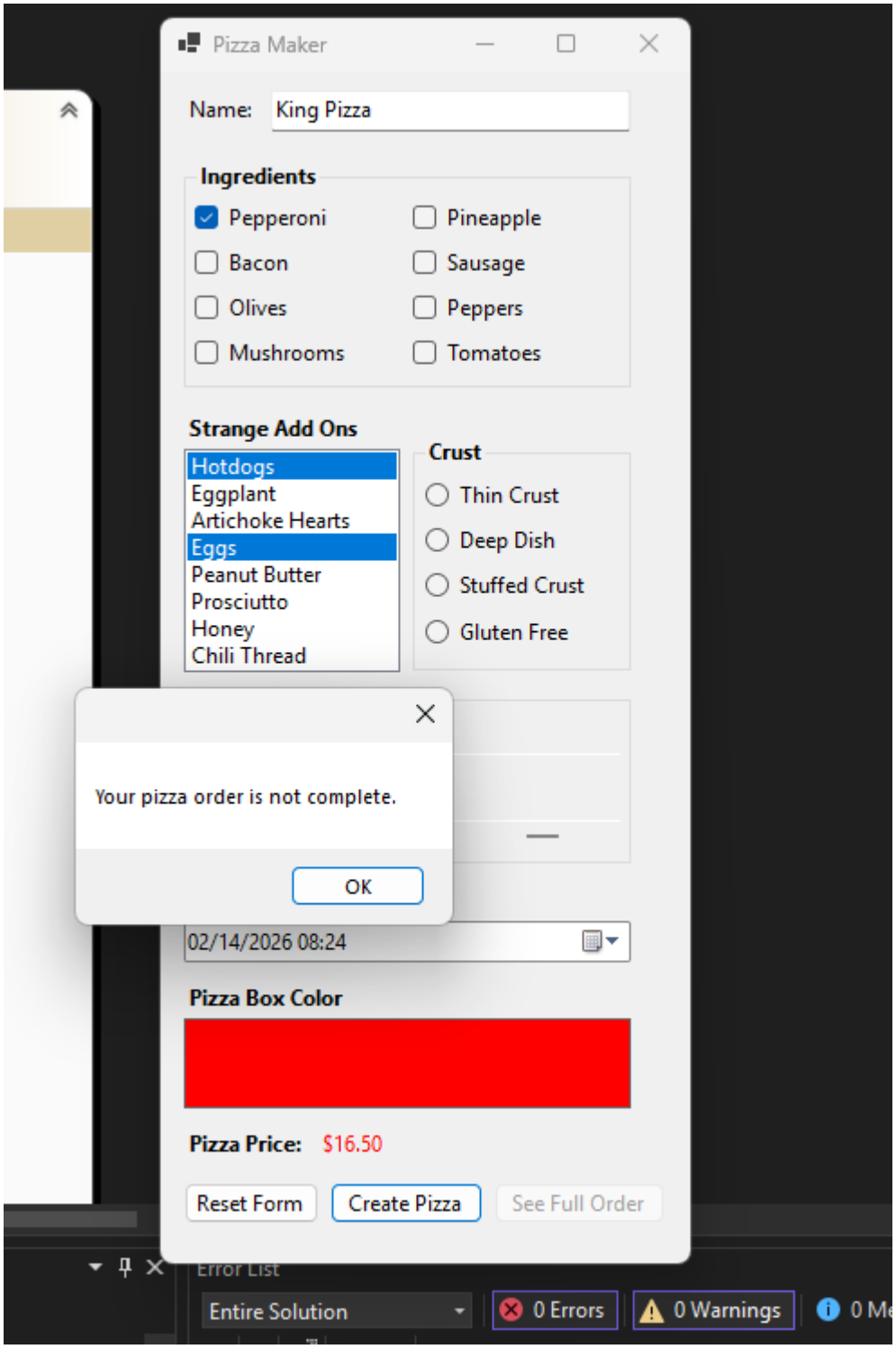

PizzaDAO
Class
Fields
_pizzaOrder
Methods
AddPizzaToOrder
GetPizzaOrder
PizzaDAO
WriteOrderToFile
PizzaLogic
Class
Fields
_pizzaDAO
Methods
AddPizzaToOrder
GetPizzaOrder
PizzaLogic
WriteOrderToFile
PizzaModel
Class
Properties
CheeseQty
ClientName
Crust
DeliveryTime
Ingredients
PizzaBoxColor
Price
SauceQty
StrangeAddOns
Methods
PizzaModel

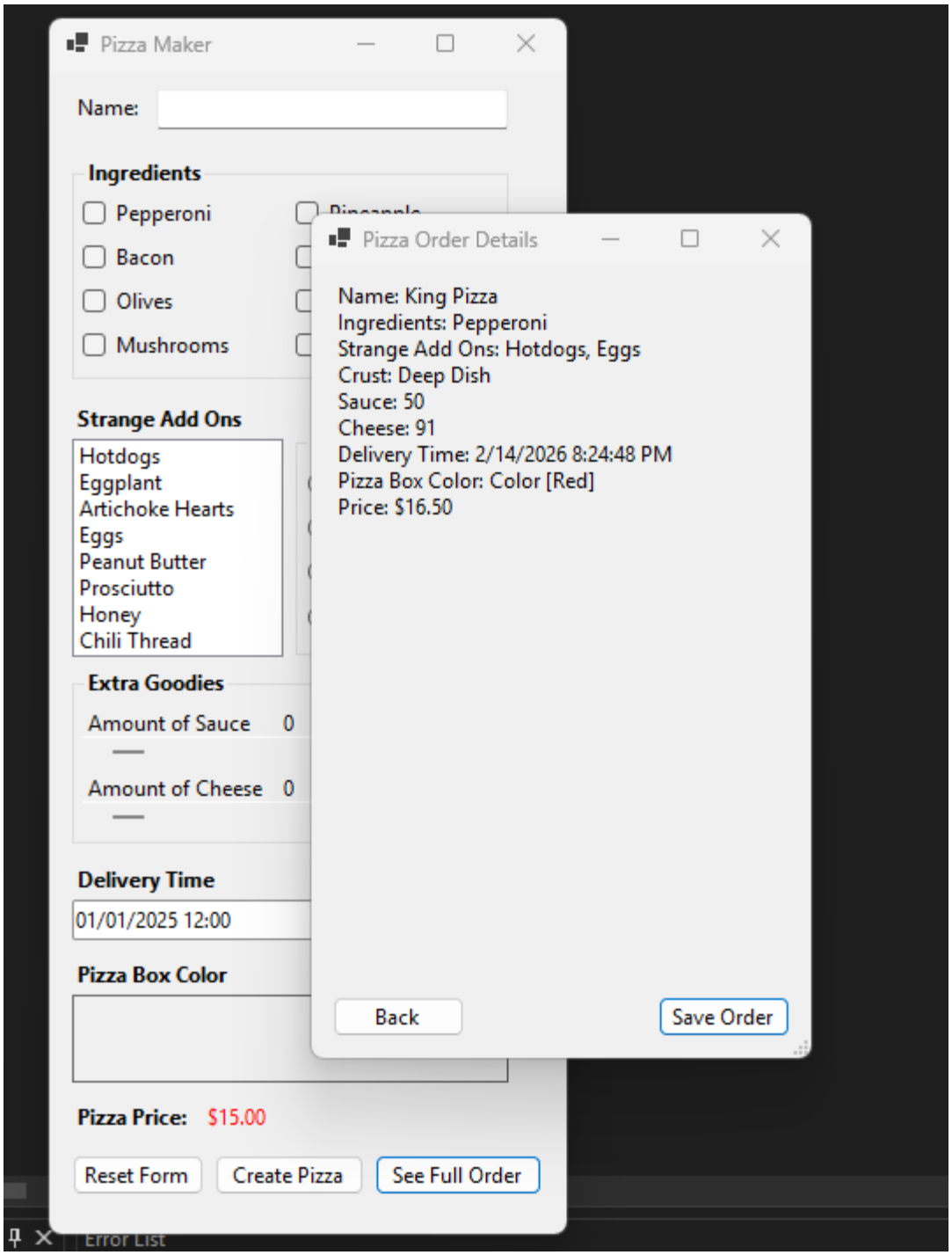

hsbSauce
label1
label2
label3
label5
label6
label7
label8
lblCheese
lblPizzaPrice
lblSauce
lsbStrangeAddOns
picPizzaBoxColor
rdoDeepDish
rdoGlutenFree
rdoStuffedCrust
rdoThinCrust
txtName
Methods
BtnCreatePizzaClickEH
BtnResetFormClickEH
BtnSeeFullOrderClickEH
ChbIngredientCheckedChangedEH
Dispose
DtpDeliveryTimeValueChangedEH
EnablePizzaCreation
FrmPizzaMaker
HsbExtraGoodiesValueChangedEH
InitializeComponent
LsbStrangeAddOnsSelectedIndex...
PicPizzaBoxColorClickEH
RdoCrustCheckedChangedEH
ResetControls
ResetForm
TxtNameLeaveEH
UpdatePrice

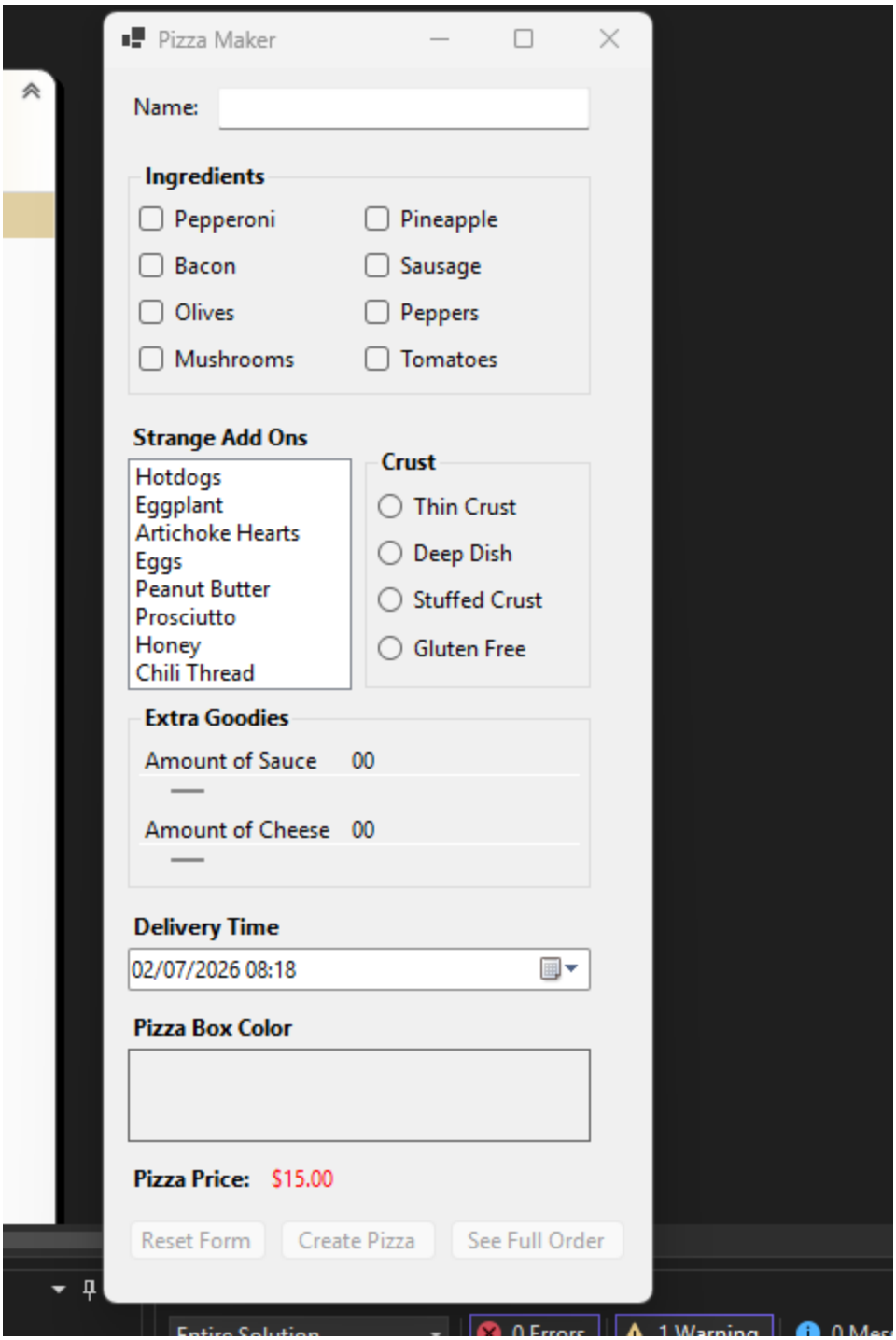
Flowcharts:

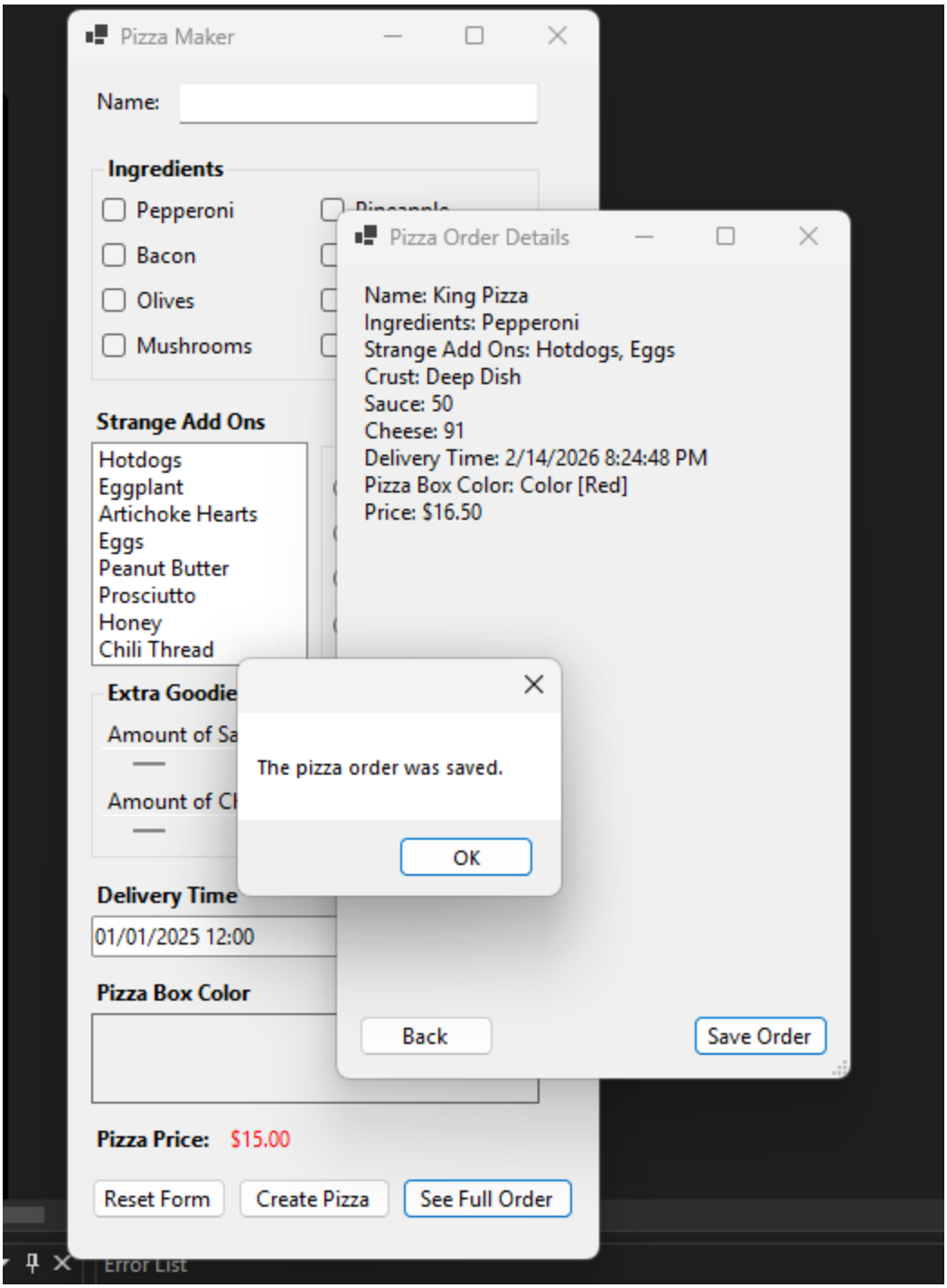

Start App
FrmPizzaMaker Open
User Inputs Data
Name, Toppings, Crust, etc.
No
UpdatePrice Method
Updates Price Label
Name Entered?
Yes
Enable Create/Reset Buttons
Click 'Create Pizza'
PizzaLogic.AddPizzaToOrder
Is Pizza Valid?
Name, Crust, Toppings > 0?
No (Invalid)
Yes (Valid)
Show Error Message
PizzaDAO.AddPizzaToOrder
Add to List
ResetForm Method
Enable 'See Full Order'
Click 'See Full Order'
PizzaLogic.GetPizzaOrder
PizzaDAO.GetPizzaOrder
FrmOrderDetails Open
DisplayPizzas Method
Populate List
Click 'Back' Button
Click 'Save Order'
PizzaLogic.WriteOrderToFile
PizzaDAO.WriteOrderToFile
Write List to Disk
PizzaOrder.txt
Show Success/Fail Message

Pictures:


Pizza Maker
Name: King Pizza
Ingredients
Pepperoni
Pineapple
Bacon
Sausage
Olives
Peppers
Mushrooms
Tomatoes
Strange Add Ons
Hotdogs
Eggplant
Artichoke Hearts
Eggs
Peanut Butter
Prosciutto
Honey
Chili Thread
Crust
Thin Crust
Deep Dish
Stuffed Crust
Gluten Free
Your pizza order is not complete.
OK
02/14/2026 08:24
Pizza Box Color
Pizza Price: $16.50
Reset Form
Create Pizza
See Full Order
Error List
Entire Solution
0 Errors
0 Warnings


Pizza Maker
Name:
Ingredients
Pepperoni
Bacon
Olives
Mushrooms
Strange Add Ons
Hotdogs
Eggplant
Artichoke Hearts
Eggs
Peanut Butter
Prosciutto
Honey
Chili Thread
Extra Goodies
Amount of Sauce 0
Amount of Cheese 0
Delivery Time
01/01/2025 12:00
Pizza Box Color
Pizza Price: $15.00
Reset Form
Create Pizza
See Full Order
Pizza Order Details
Name: King Pizza
Ingredients: Pepperoni
Strange Add Ons: Hotdogs, Eggs
Crust: Deep Dish
Sauce: 50
Cheese: 91
Delivery Time: 2/14/2026 8:24:48 PM
Pizza Box Color: Color [Red]
Price: $16.50
Back
Save Order
Error List


Pizza Maker
Name:
Ingredients
Pepperoni
Pineapple
Bacon
Sausage
Olives
Peppers
Mushrooms
Tomatoes
Strange Add Ons
Hotdogs
Eggplant
Artichoke Hearts
Eggs
Peanut Butter
Prosciutto
Honey
Chili Thread
Crust
Thin Crust
Deep Dish
Stuffed Crust
Gluten Free
Extra Goodies
Amount of Sauce 00
Amount of Cheese 00
Delivery Time
02/07/2026 08:18
Pizza Box Color
Pizza Price: $15.00
Reset Form
Create Pizza
See Full Order


Pizza Maker
Name:
Ingredients
Pepperoni
Bacon
Olives
Mushrooms
Strange Add Ons
Hotdogs
Eggplant
Artichoke Hearts
Eggs
Peanut Butter
Prosciutto
Honey
Chili Thread
Extra Goodie
Amount of Sa
Amount of Ch
Delivery Time
01/01/2025 12:00
Pizza Box Color
Pizza Price: $15.00
Reset Form
Create Pizza
See Full Order
Error List
Pizza Order Details
Name: King Pizza
Ingredients: Pepperoni
Strange Add Ons: Hotdogs, Eggs
Crust: Deep Dish
Sauce: 50
Cheese: 91
Delivery Time: 2/14/2026 8:24:48 PM
Pizza Box Color: Color [Red]
Price: $16.50
Back
Save Order
The pizza order was saved.
OK