A blue and gold logo

Description automatically generated

Food Distribution System

Software Design patterns Project

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Submitted to:  
**Dr. Ayman Ezzat**

**GitHub Repo:** [**https://github.com/AhmedHeshamSakr/Food-Distribution-System-Using-DP.git**](https://github.com/AhmedHeshamSakr/Food-Distribution-System-Using-DP.git)

**Attached Project Files:** [**https://drive.google.com/drive/folders/19ZjFJmQKa-nKckeZba99GwBbf1M8WG4t?usp=sharing**](https://drive.google.com/drive/folders/19ZjFJmQKa-nKckeZba99GwBbf1M8WG4t?usp=sharing)

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# Strategy Design Pattern

#Payment

### Strategy Interface

A screen shot of a computer program

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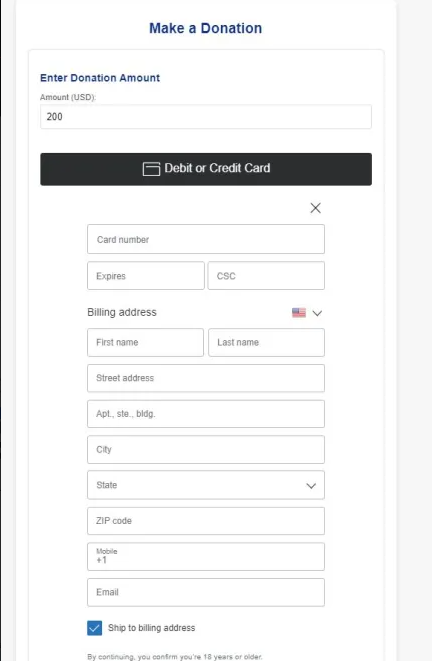
### 1.2 Concrete Strategies

A screen shot of a computer program

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A screen shot of a computer program

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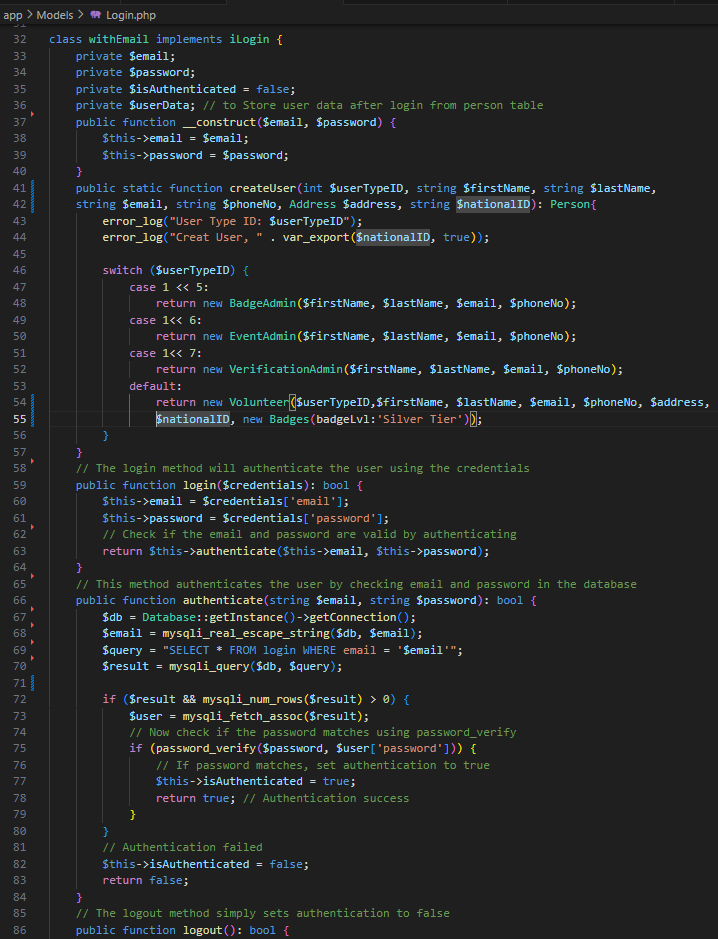
A screenshot of a donation form

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#Login

### Strategy Interface

### Concrete Strategies



### A screen shot of a computer program Description automatically generated

A computer screen shot of a program code

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# Observer

* 1. Subscriber Interface

A screen shot of a computer

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* 1. Subscriber

A screen shot of a computer program

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* 1. Publisher Interface

A screenshot of a computer program

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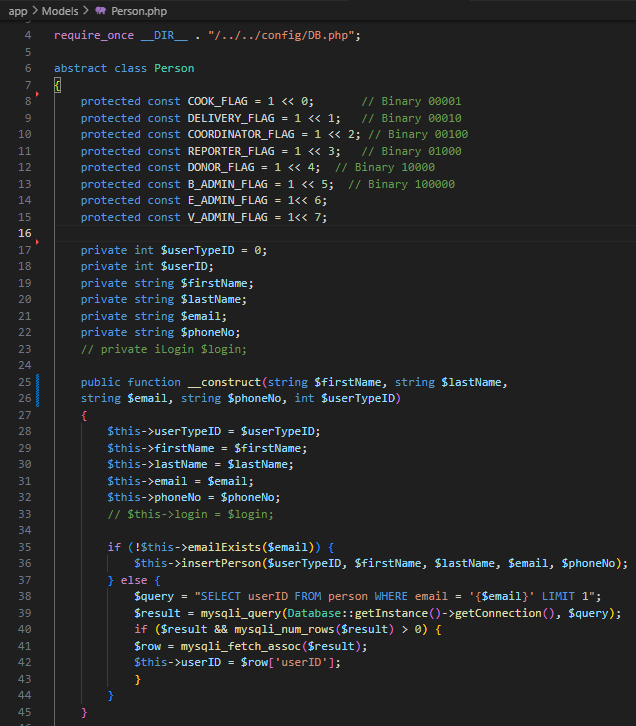
* 1. Publisher

A screen shot of a computer program

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# Decorator

### Component



A computer screen shot of code

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### Concrete Component

A screen shot of a computer program

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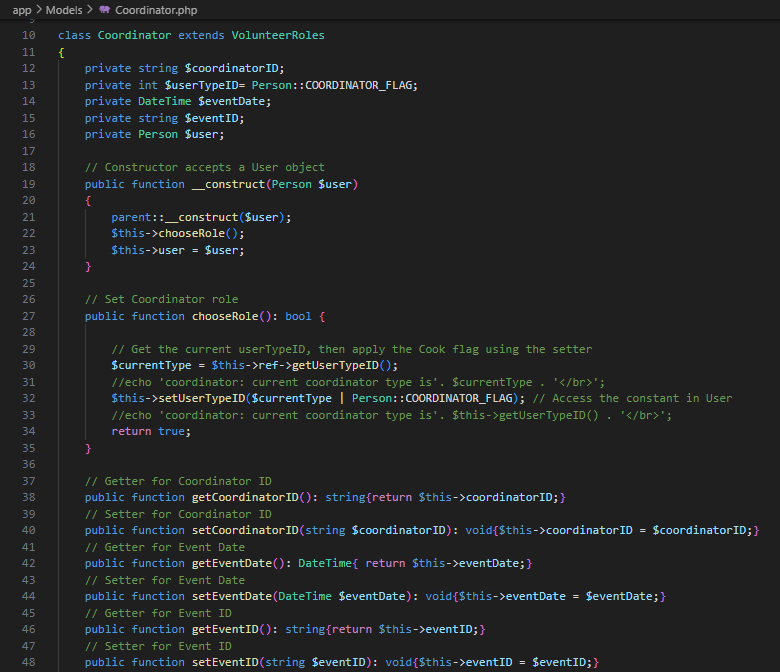
### Base Decorator

A screen shot of a computer program

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### A screen shot of a computer program Description automatically generatedA screenshot of a computer program Description automatically generatedConcrete Decorators

### 



# A screen shot of a computer program Description automatically generatedFactory

### A screen shot of a computer program Description automatically generatedProduct

A computer screen shot of text

Description automatically generated

### A screen shot of a computer program Description automatically generatedConcrete Products

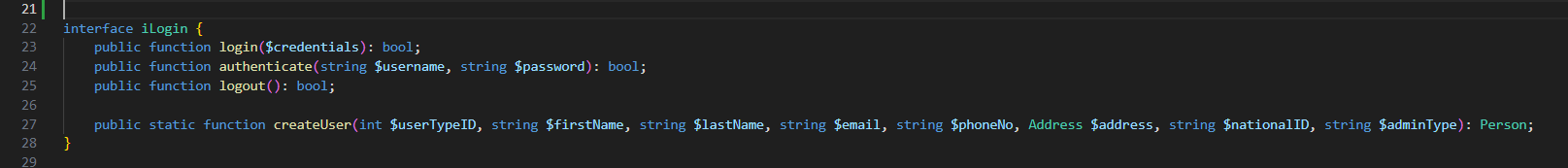
A screen shot of a computer program

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A screen shot of a computer program

Description automatically generatedA computer screen shot of a program

Description automatically generated

4.3 Interface Creator

* 1. A computer screen shot of text

     Description automatically generatedConcrete Creator

A screenshot of a computer

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Where type of class registered to is instantiated.

# A screenshot of a computer program Description automatically generatedSingleTon

A screen shot of a computer program

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# Command

* 1. Command Interface

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* 1. Recievers

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* 1. A computer screen shot of a program code

     Description automatically generatedA screen shot of a computer program

     Description automatically generatedConcrete Commands

A screen shot of a computer program

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A screen shot of a computer code

Description automatically generatedA screen shot of a computer code

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6.4. Invoker

A computer screen shot of code

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# A screen shot of a computer code Description automatically generatedAdaptersss

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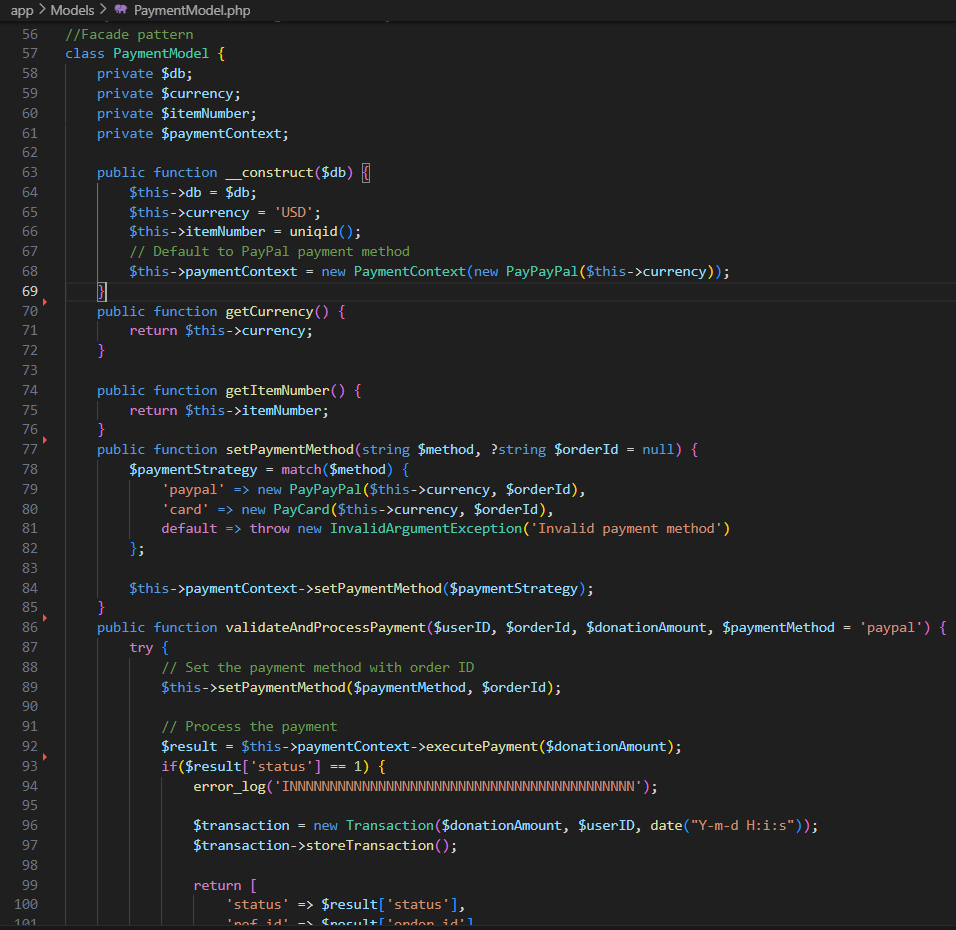
A screen shot of a computer program

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A screen shot of a computer program

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# Façade

8.1. Facade

A screen shot of a computer program

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8.2 Subsystems

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A computer screen shot of a program code

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# Template

### Abstract Class

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### Concrete Classes

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# Iterator

* 1. Iterator Interface

**A computer screen shot of text

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* 1. A black background with white text

     Description automatically generatedIteratable Interface
  2. A computer screen shot of a program

     Description automatically generated Concrete Iterators

A screen shot of a computer program

Description automatically generated

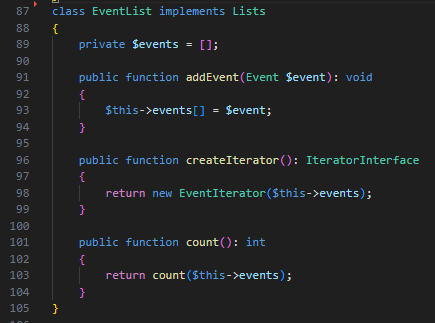
A screen shot of a computer program

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A screen shot of a computer program

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* 1. A computer screen shot of text

     Description automatically generatedConcrete Collections

A screen shot of a computer program

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# State

* 1. State Interface

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* 1. Concrete States

A computer screen shot of text

Description automatically generated

# Proxy (Virtual Proxy Design Pattern)

A screen shot of a computer

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A screen shot of a computer program

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A screen shot of a computer program

Description automatically generated12.3 Proxy

A screen shot of a website

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A screenshot of a website

Description automatically generated

# A screenshot of a computer Description automatically generatedMVC

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

A screenshot of a computer screen

Description automatically generated

A screenshot of a computer program

Description automatically generated