# CUCONNECT

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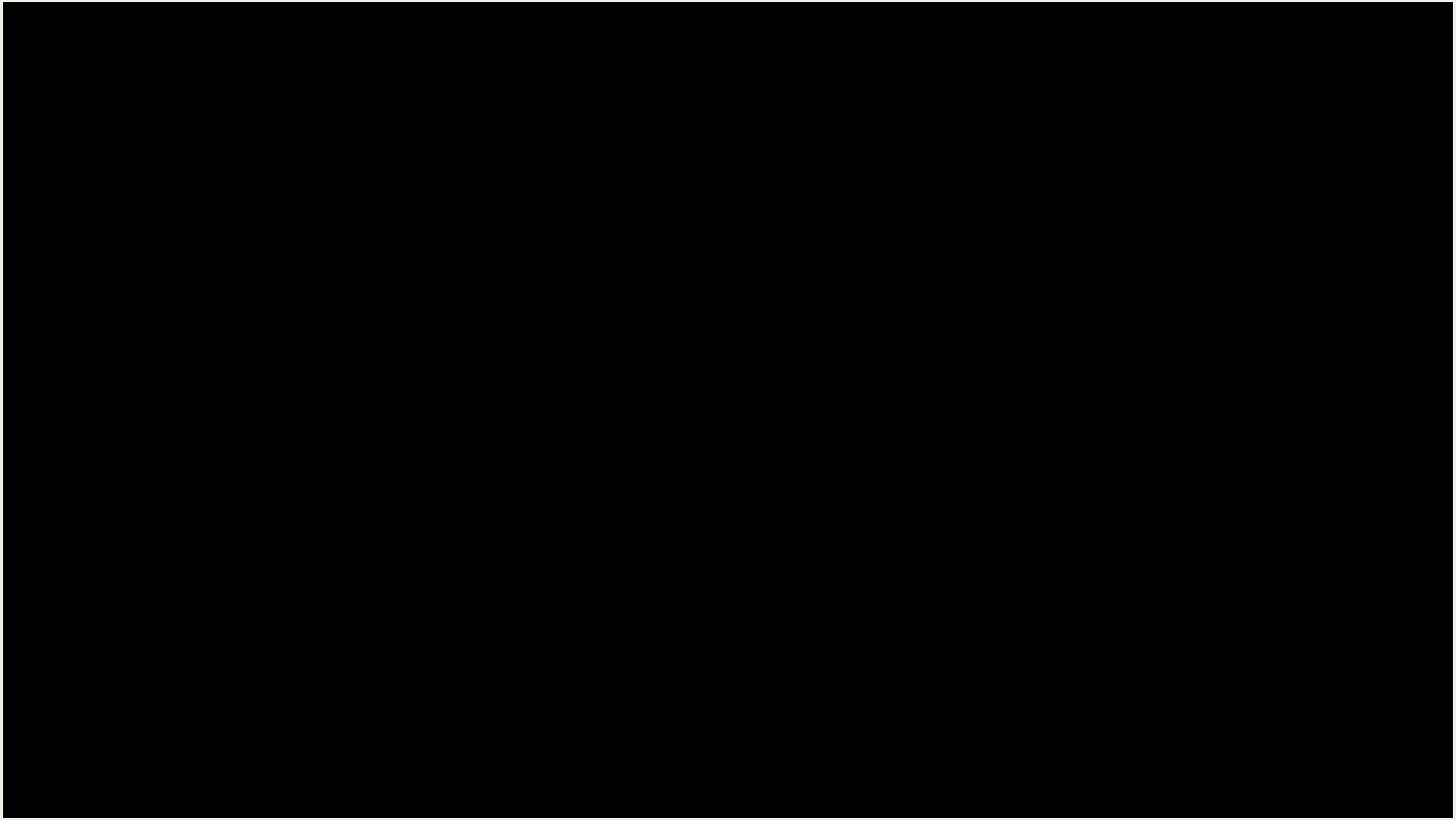
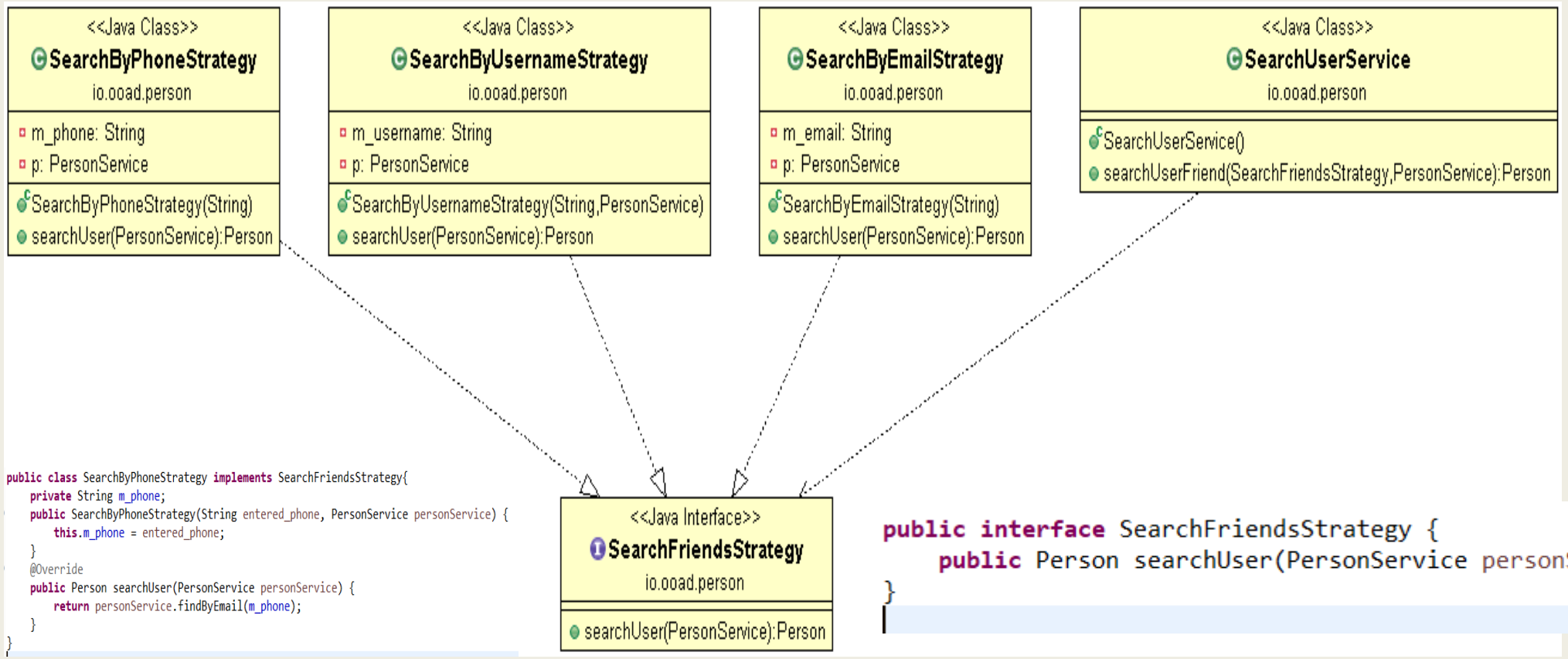
# Summary

- CUConnect is an online portal for CU students and past pupils to connect with each other
- In this portal, the users can connect, share content, and add each other as friends
- Implemented Strategy and MVC



# Strategy Design

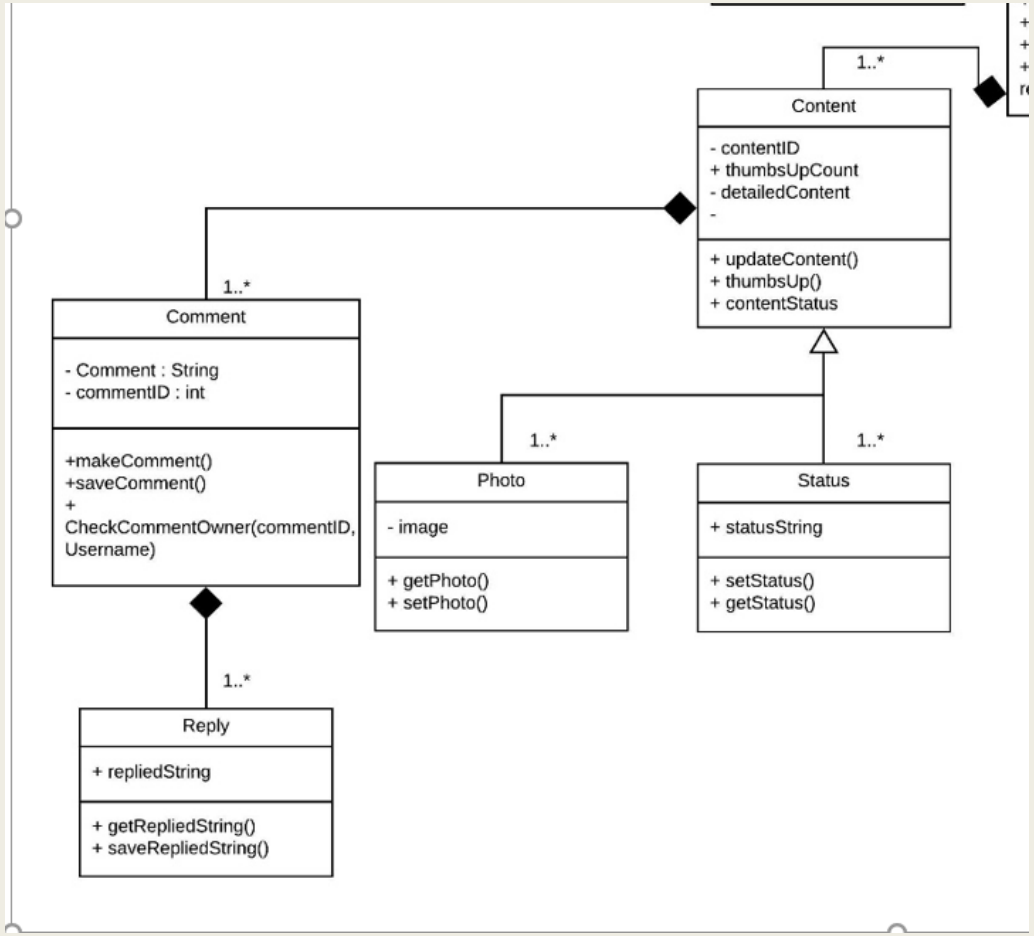



```java
public class SearchByPhoneStrategy implements SearchFriendsStrategy{
    private String m_phone;
    public SearchByPhoneStrategy(String entered_phone, PersonService personService) {
        this.m_phone = entered_phone;
    }
    @Override
    public Person searchUser(PersonService personService) {
        return personService.findByEmail(m_phone);
    }
}
```

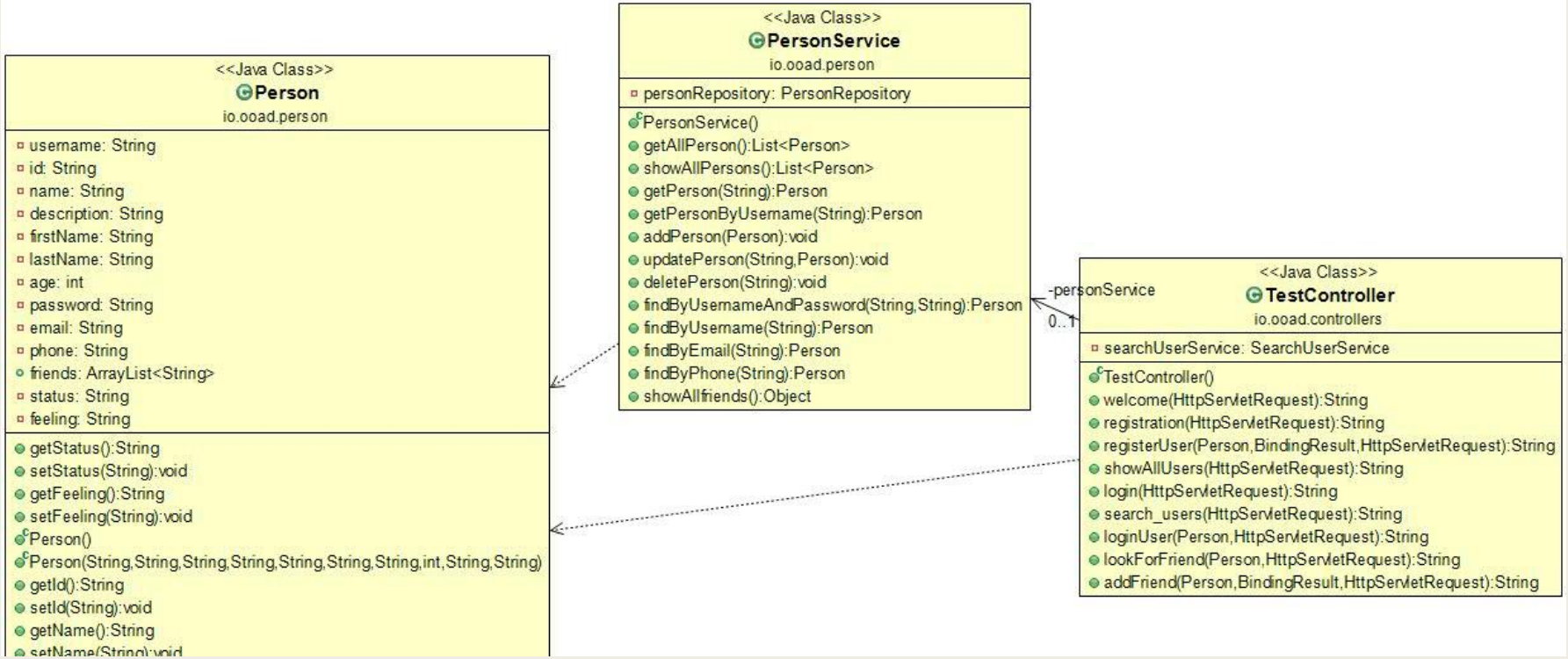
```java
public interface SearchFriendsStrategy {
    public Person searchUser(PersonService personService);
}
```

```java
searchUserService.searchUserFriend(new SearchByUsernameStrategy(person.getUsername(), personService), personService);
```

# Composite Design Pattern



# MVC


<<Java Class>>
Person
io.ooad.person
username: String
id: String
name: String
description: String
firstName: String
lastName: String
age: int
password: String
email: String
phone: String
friends: ArrayList<String>
status: String
feeling: String
getStatus():String
setStatus(String):void
getFeeling():String
setFeeling(String):void
Person()
Person(String,String,String,String,String,String,String,int,String,String)
getId():String
setId(String):void
getName():String
<<Java Class>>
PersonService
io.ooad.person
personRepository: PersonRepository
PersonService()
getAllPerson():List<Person>
showAllPersons():List<Person>
getPerson(String):Person
getPersonByUsername(String):Person
addPerson(Person):void
updatePerson(String,Person):void
deletePerson(String):void
findByUsernameAndPassword(String,String):Person
findByUsername(String):Person
findByEmail(String):Person
findByPhone(String):Person
showAllfriends():Object
-personService
0..1
<<Java Class>>
TestController
io.ooad.controllers
searchUserService: SearchUserService
TestController()
welcome(HttpServletRequest):String
registration(HttpServletRequest):String
registerUser(Person,BindingResult,HttpServletRequest):String
showAllUsers(HttpServletRequest):String
login(HttpServletRequest):String
search_users(HttpServletRequest):String
loginUser(Person,HttpServletRequest):String
lookForFriend(Person,HttpServletRequest):String
addFriend(Person,BindingResult,HttpServletRequest):String