# Final Project Write-Up

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# **Design Patterns – Write Up**

Hello Professor,

I would like to thank you for helping me to learn Design Patterns and making me very comfortable in Object Oriented Development course.

When I started week 1 it was difficult for me to understand the concept and how to implement it as I am new to object-oriented programming. It bit confuse for me about Designs Patterns where to use, when to use and how to use. Which design pattern suitable for my problem statement and how to implement it. Coming to my final project I have chosen Organ Donation application. Once I started working on it, I took a lot of time to start implementation because I was not aware how to integrate more than one design pattern in to one application. Coming to understanding how to code and usage of design patterns first to debug, or to do modification. Initially I got lot of code errors and exceptions while implementing the application.

**Overcome challenges and Learning concepts**:

I realized and did retrospect myself to understand what and where I am missing. In this process I got to know that I was not following course content which has provided by Professor, and I did not give enough time to understand the things which are required to do. From the retrospection I started following the course content and going through resources such as textbook and session recordings. Apart from that I started learning the concepts such as core java (class, methods, looping concepts , conditional statements, object, parent class , child class), Object Oriented Programming concept’s such as  polymorphism , inheritance,  encapsulation , abstract class  and also design patterns which we have implemented each week. Along with that I have learned Git Hub concepts.

To overcome my technical gaps every day I spent two to three hours’ time on concepts and implementation. By deep diving in to all these concepts using textbook, weekly tasks, I overcome my challenges step by step. Apart from that I have learned a lot about thought process, finding the problem statement, time management and planning.

Thank You.

R**eferences:**

<https://www.javatpoint.com/java-tutorial>