# C++ Inheritance Project

In this project you will develop a blogger system in c++ by using oop principles. For this project you will have 5 classes. One of them is base class two of them are derived classes and two helper classes. Class hierarchy is given to you below but this hierarcy just to explain the project so you have to be sure your classes have a reasonable complement of constructors and getters setter functions, an overloaded assignment operator, and a copy constructor and necessary functions.

#### Blog(Base Class) Document(helper class) Person(helper class) protected: private Document \*post: private: string text: string name: int numberOfPost: string title; int ID: int capacity: Person ownerOfDocument: string password: Document& operator[](int index); Person& getDocOwner() {return ownerOfDocument;} bool checkInformation(int id, string passwordValue); Document& getPost(int index); void showPosts(int id): void menu(): static int numberOfBlogger; Owner(derived class) Viewer(derived class) protected: protected: Document \*readPost: Document \*deletedPost; int numberOfDeletedPost: int numberOfReadPost: int deleteCapacity; int readCapacity: Person myInformations: void menu(): Person& getPostOwner() {return myInformations;} void addReadPost(const Document& nPost); void setOwner(const Person& own){myInformations=own;} void showReadPost(); void newPost(const Document& post); bool deletePost(string title); void menu():

## **Class Hierarchy**

Create a class for a simple blog. The owner of the blog should be able to (a) post a new message, (b) numerically list and display all messages, and (c) select a specific message and delete it.

Viewers of the blog should only be able to numerically list and display all posted messages.

In this project you will use seperate header files so you will have 11 seperate file(.h and .cpp). When your program starts you will show a menu to the user the options for viewer and blogger are below;

To understand Project Please look at to the output carefully! All implementations are up to you.

void showPosts(int id); void showDeletedPost();

# **Output for blogger**

```
Welcome to Our Blog System
Who are you?
[1] I am a visiter
[2] I am a blogger
[3] Create a blogger account
[0] Exit.
Answer: 3
Enter your ID: 123
Enter your Password: 1234
Enter your Name: akif kartal
Your account is created succesfully. You can entry and share a post.
Welcome to Our Blog System
Who are you?
[1] I am a visiter
[2] I am a blogger
[3] Create a blogger account
[0] Exit.
Answer: 2
Enter Your ID: 123
Enter Your Password: 1234
Welcome Blogger akif kartal
What Do you want to do?
[1] Write a new Post.
[2] Delete a Post.
[3] Show Your Post.
[4] Show Your Deleted Post.[5] Show Your Information.[0] Exit.
Choice:
```

### output for viewer

```
Welcome to Our Blog System
Who are you?
[1] I am a visiter
[2] I am a blogger
[3] Create a blogger account
[0] Exit.
Answer: 1

Welcome Dear Reader
What Do you want to do?
[1] Read a new Post.
[2] Show Your Already Read Post.
[0] Exit.
Choice:
```