



```

private IPresidentUSA president;

void ApplicationStart()
{
    president = new BarackObama();
    DoPresidentStuff(president);
}

void DoPresidentStuff(IPresidentUSA president)
{
    bool resigned = false;
    bool termEnded = false;
    while (!resigned && !termEnded)
    {
        president.MakeDecisions();
        president.Travel();
        // ...
    }
}

```

This code doesn't know which president it is, it doesn't matter!

Of course, the results (economics, environment, ...) depends on the actual president running the country...

```

public interface IPresidentUSA
{
    void MakeDecisions();
    void AppointHeadOfCIA();
    void GiveSpeech();
    void Travel();
    // ...
}

```

```

class BarackObama : IPresidentUSA
{
    public void MakeDecisions()
    {
        // the Obama way...
    }

    public void AppointHeadOfCIA()
    {
        // the Obama way...
    }

    public void GiveSpeech()
    {
        // the Obama way...
    }

    public void Travel()
    {
        // the Obama way...
    }
}

```

```

class DonaldTrump : IPresidentUSA
{
    public void MakeDecisions()
    {
        // the Trump way...
    }

    public void AppointHeadOfCIA()
    {
        // the Trump way...
    }

    public void GiveSpeech()
    {
        // the Trump way...
    }

    public void Travel()
    {
        // the Trump way...
    }
}

```

```

class HillaryClinton : IPresidentUSA
{
    public void MakeDecisions()
    {
        // the Clinton way...
    }

    public void AppointHeadOfCIA()
    {
        // the Clinton way...
    }

    public void GiveSpeech()
    {
        // the Clinton way...
    }

    public void Travel()
    {
        // the Clinton way...
    }
}

```