```
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...

```
\wedge
                                                IPresidentUSA
        Program
       Class
                                                Interface
                                  nresident 🖳
       ■ Methods
                                                ■ Methods
         © ApplicationStart
                                                  AppointHeadOfCIA
         Φ<sub>α</sub> DoPresidentStuff
                                                  ଫ<sub>ଲ</sub> Main
                                                      MakeDecisions
                                                     Travel
                                                  PresidentUSA
                                                                                PresidentUSA

    IPresidentUSA

                                                BarackObama
                                                                      \wedge
                                                                              DonaldTrump
                                                                                                            HillaryClinton
                                                Class
                                                                              Class
                                                                                                            Class
                                                ■ Methods
                                                                              ■ Methods
                                                                                                           ■ Methods
                                                  AppointHeadOfCIA
                                                                                   AppointHeadOfCIA
                                                                                                                 AppointHeadOfCIA
                                                  GiveSpeech
                                                                                                                 GiveSpeech
                                                                                                                 MakeDecisions
                                                  MakeDecisions
                                                                                   MakeDecisions
public interface IPresidentUSA
                                                     Travel
                                                                                   Travel
                                                                                                                Travel
    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...
    }
}
```