

Homework 3

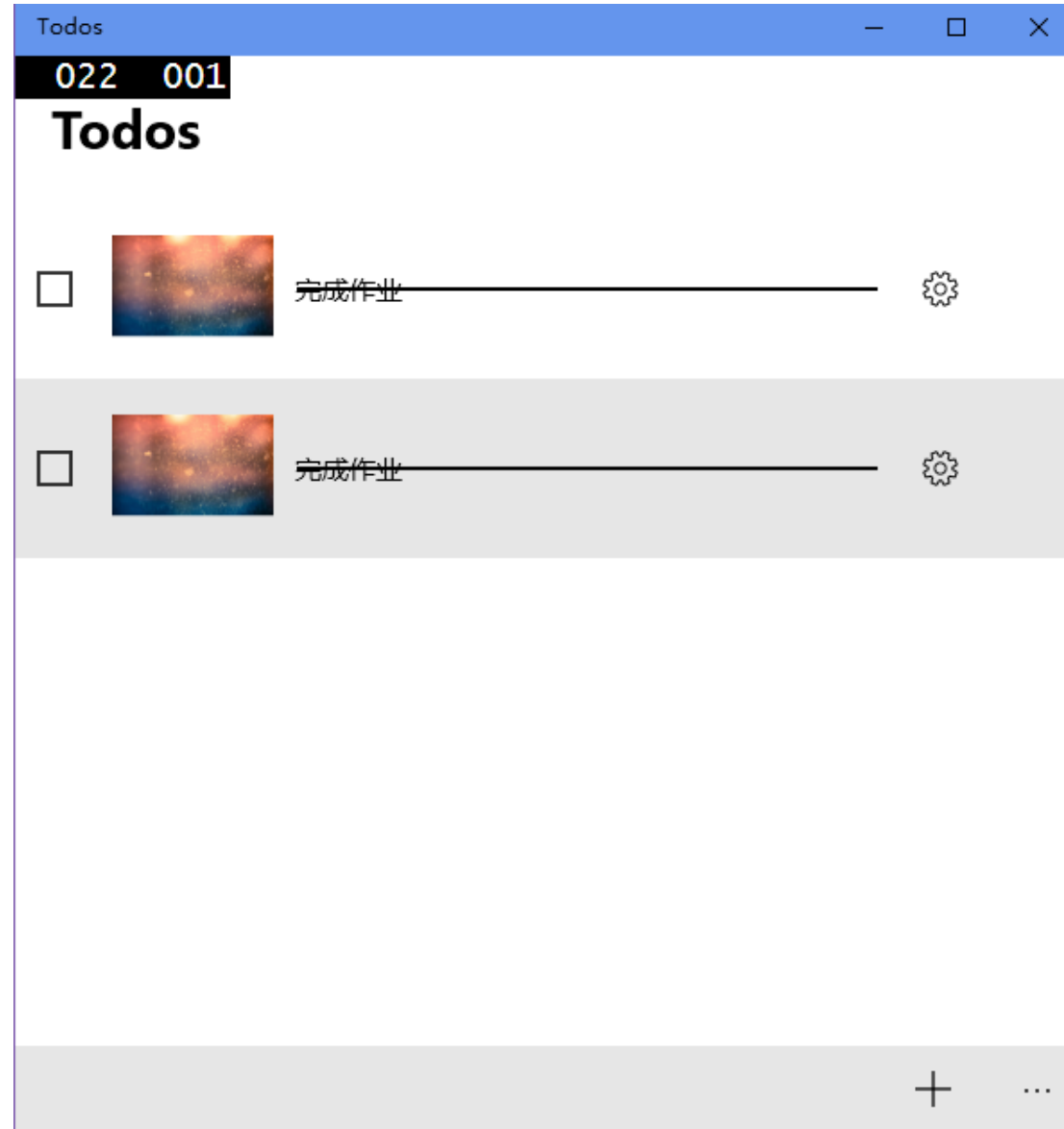
— Again Todos

— Adaptive UI

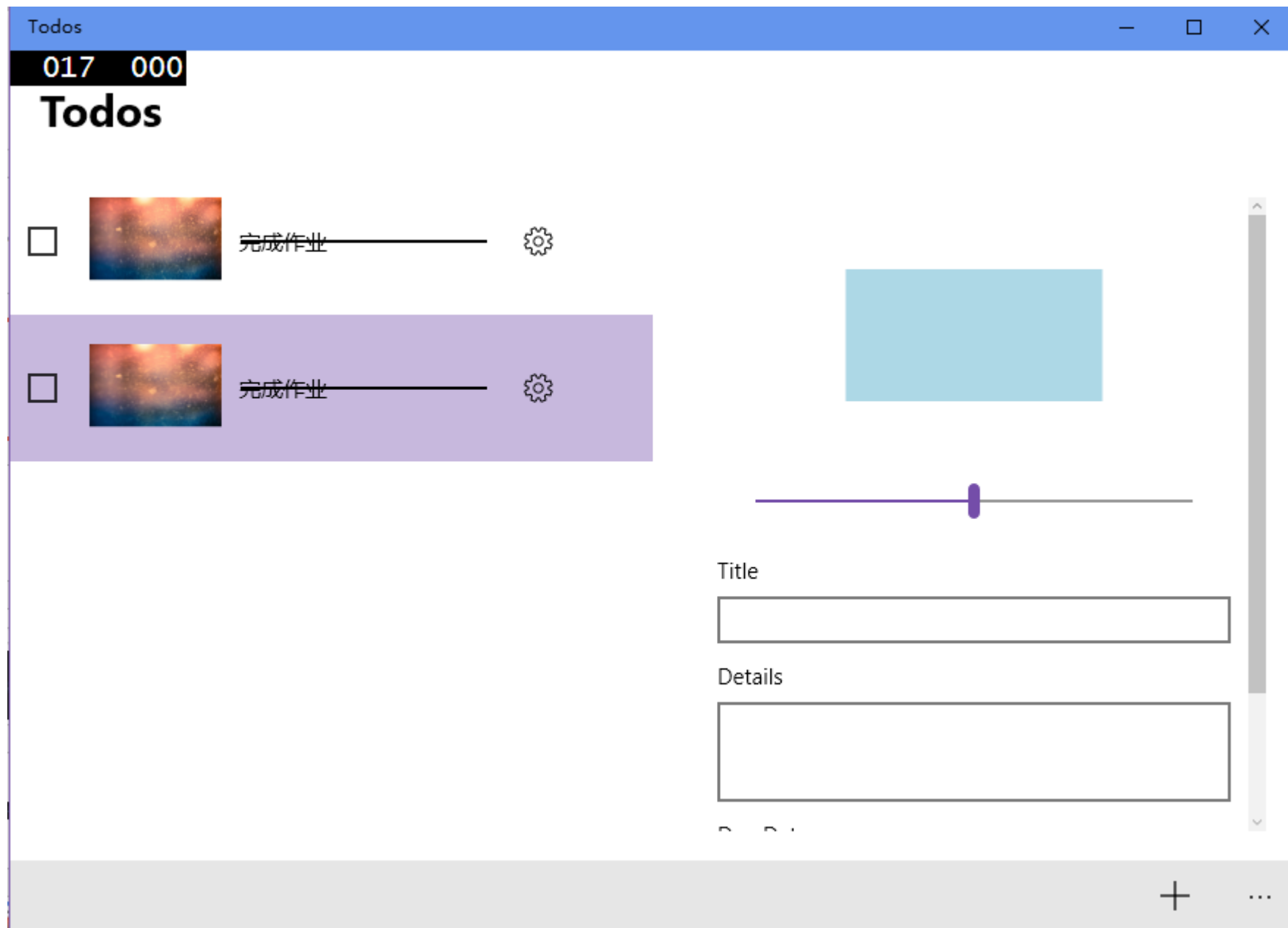
— Data Binding

— Adaptive UI

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VisualStateManager:包含互斥的 VisualState 对象和用于从一种状态过渡到另一种状态的 VisualTransition 对象。

参考链接：[https://msdn.microsoft.com/zh-cn/library/system.windows.visualstategroup\(v=vs.95\).aspx](https://msdn.microsoft.com/zh-cn/library/system.windows.visualstategroup(v=vs.95).aspx)

```
<VisualStateManager.VisualStateGroups>
  <VisualStateGroup x:Name="VisualStateGroup">
    <VisualState x:Name="VisualStateMin0">
      <VisualState.Setters>
        <Setter Target="InlineToDoItemViewGrid.(UIElement.Visibility)" Value="Collapsed"/>
        <Setter Target="ToDoListView.(Grid.ColumnSpan)" Value="2"/>
      </VisualState.Setters>
      <VisualState.StateTriggers>
        <AdaptiveTrigger MinWindowWidth="1"/>
      </VisualState.StateTriggers>
    </VisualState>
    <VisualState x:Name="VisualStateMin800">
      <VisualState.StateTriggers>
        <AdaptiveTrigger MinWindowWidth="800"/>
      </VisualState.StateTriggers>
    </VisualState>
  </VisualStateGroup>
</VisualStateManager.VisualStateGroups>
```

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VisualState: 表示特定状态下控件的可视外观。

参考链接：[https://msdn.microsoft.com/zh-cn/library/system.windows.visualstate\(v=vs.95\).aspx](https://msdn.microsoft.com/zh-cn/library/system.windows.visualstate(v=vs.95).aspx)

```
<VisualState x:Name="VisualStateMin0">
    <VisualState.Setters>
        <Setter Target="InlineToDoItemViewGrid.(UIElement.Visibility)" Value="Collapsed"/>
        <Setter Target="ToDoListView.(Grid.ColumnSpan)" Value="2"/>
    </VisualState.Setters>
    <VisualState.StateTriggers>
        <AdaptiveTrigger MinWindowWidth="1"/>
    </VisualState.StateTriggers>
</VisualState>
```

```
<VisualState x:Name="VisualStateMin800">
    <VisualState.StateTriggers>
        <AdaptiveTrigger MinWindowWidth="800"/>
    </VisualState.StateTriggers>
</VisualState>
```

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Setter:表示应用属性值的 setter。

参考链接：[https://msdn.microsoft.com/zh-cn/library/system.windows.setter\(v=vs.110\).aspx](https://msdn.microsoft.com/zh-cn/library/system.windows.setter(v=vs.110).aspx)

TargetName	获取或设置此 Setter 所用于的对象的名称。
Value	获取或设置要应用于此 Setter 所指定的属性的值。

```
<VisualState.Setters>
  <Setter Target="InlineToDoItemViewGrid.(UIElement.Visibility)" Value="Collapsed"/>
  <Setter Target="ToDoListView.(Grid.ColumnSpan)" Value="2"/>
</VisualState.Setters>
```


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使用StateTrigger 创建的简单规则可自动触发视觉状态更改以响应应用事件。

```
<VisualState.StateTriggers>  
    <AdaptiveTrigger MinWindowWidth="1"/>  
</VisualState.StateTriggers>
```

```
<VisualState.StateTriggers>  
    <AdaptiveTrigger MinWindowWidth="800"/>  
</VisualState.StateTriggers>
```

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ListView



```
<ListView x:Name="ToDoListView">
  <Grid Height="100"...>
  <Grid Height="100"...>
</ListView>
```

```
<Setter Target="ToDoListView.(Grid.ColumnSpan)" Value="2"/>
```

— Data Binding

Demo

Your Tasks

- Adaptive UI

1. 为ListView设置VisualStateGroup，使得窗口宽度小于500时，image不显示
2. 在宽屏显示两列的情况下，点击ADD Button不会跳转到EditToDos页面

- Data Binding

将ListView的Item设置为Data Binding

实现Update函数和Delete函数