# 现代操作系统应用开发实验报告

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#### 一.参考资料

#### 百度相关资料

#### 二. 实验步骤

实现页面伸缩时不同的显示:

```
(VisualStateManager.VisualStateGroups)
   (VisualState. Setters)
              <Setter Target="InlineToDoItemViewGrid. (UIElement. Visibility)" Value="Collapsed"/>
          </VisualState.Setters>
          <VisualState.StateTriggers>
              <\!A daptive Trigger\ Min \forall indow \forall idth = "0"/>
          </VisualState.StateTriggers>
       </VisualState
      <VisualState x:Name="VisualStateMin800">
          </VisualState.Setters>
           <VisualState.StateTriggers</p>
              <AdaptiveTrigger MinWindowWidth="800"/>
          </VisualState.StateTriggers>
      </VisualState>
   </VisualStateGroup
/VisualStateManager.VisualStateGroups>
```

## 对于数据的绑定:

#### Item 的实现:

```
public TodoItem(string title, string description, DateTimeOffset date, BitmapImage pic) {
    this.id = Guid.NewGuid().ToString(); //生成id
    this.title = title;
    this.description = description;
    this.completed = false; //默认为未完成
    this.date = date;
    this.image = pic;
}

public string getid()
{
    return id;
}
```

#### Model 的实现:

```
public TodoItemViewModel()
{
    // 加入两个用来测试的item
    BitmapImage image = new BitmapImage(new Uri("ms-appx:/Assets/background.jpg"));

    this.allItems.Add(new Models.TodoItem("123", "123", new DateTime(2222, 2, 2, 2, 2, 2), image));
    this.allItems.Add(new Models.TodoItem("456", "456", new DateTime(2223, 2, 2, 2, 2), image));
}

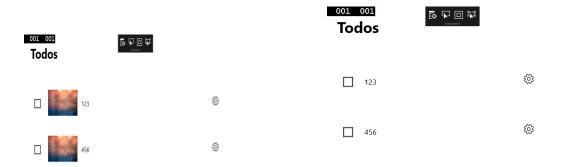
public void AddTodoItem(string title, string description, DateTimeOffset date, BitmapImage pic)
{
    this.allItems.Add(new Models.TodoItem(title, description, date, pic));
}

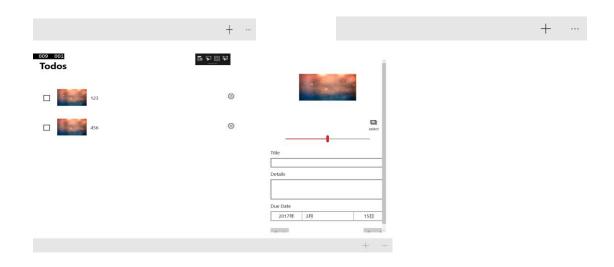
public void RemoveTodoItem()
{
    //不是很确定
    // DIY
    this.allItems.Remove(this.selectedItem);
    // set selectedItem to null after remove this.selectedItem = null;
}
```

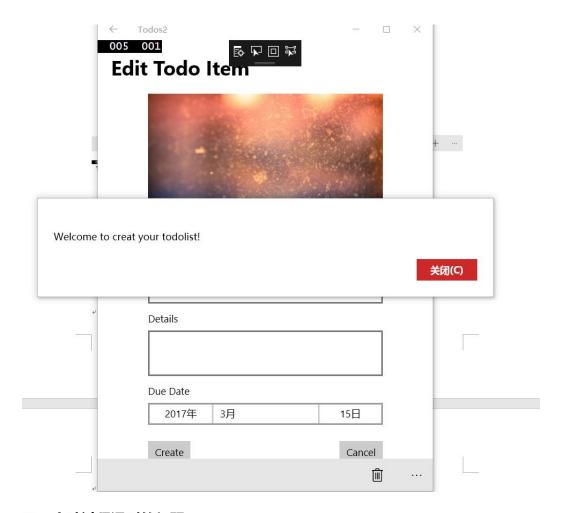
页面中的数据绑定(以 mianpage 的 update 为例):

```
if (ViewModel. SelectedItem != null)
{
    ViewModel. UpdateTodoItem(ViewModel. SelectedItem.getid(), title_grid. Text, description_grid. Text, date_grid. SelectedItem = null;
    title_grid. Text = "";
    description_grid. Text = "";
    date_grid. Date = DateTime. Now;
    image_grid. Source = new BitmapImage(new Uri("ms-appx:/Assets/background.jpg"));
    UpdateButton. Content = "Creat";
    DeleteButton. Content = "Cancel";
}
else
{
    ViewModel. AddTodoItem(title_grid. Text, description_grid. Text, date_grid. Date, (BitmapImage)image_grid. Set title_grid. Text = "";
    description_grid. Text = "";
    date_grid. Date = DateTime. Now;
    image_grid. Source = new BitmapImage(new Uri("ms-appx:/Assets/background.jpg"));
}
```

## 三.实验结果截图







# 四.实验过程遇到的问题

转换器问题 (绑定 checkbox 与 line )

Updateitem 时无法实时更新

图片不消失 (usercontrol)

# 五.思考与总结

还是要多看群,不然错过好多大神的开讲