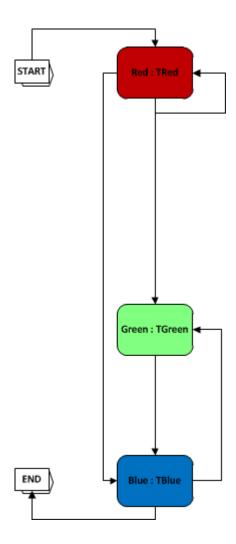
WorkflowManager<S,P>

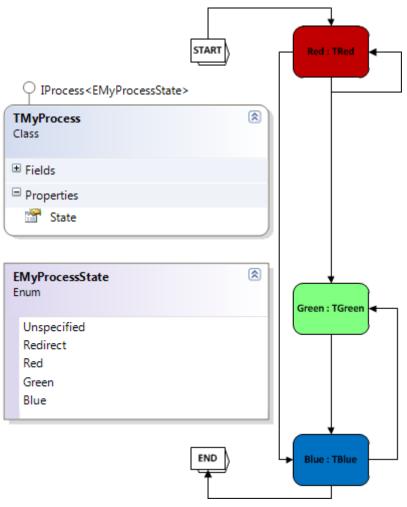
Implementing workflows in web applications

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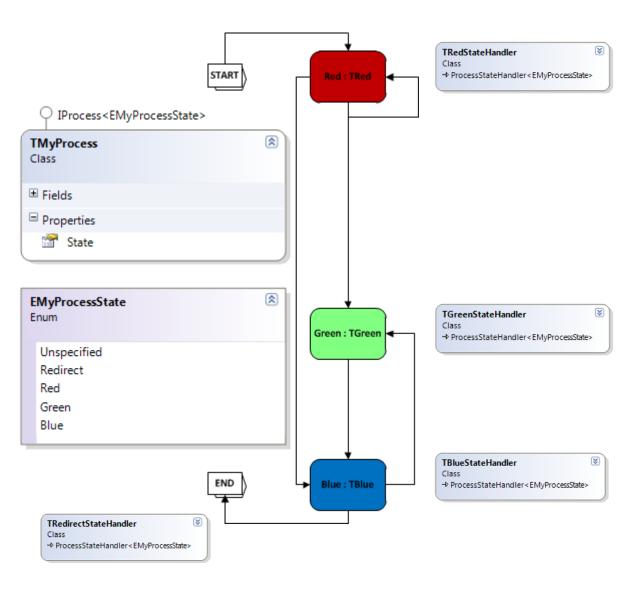
TMyWorkflow



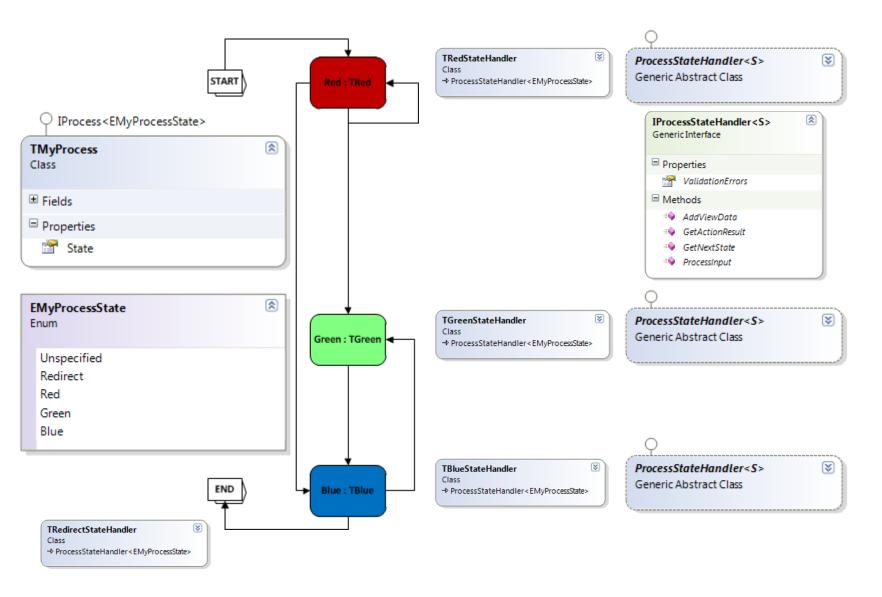
TMyWorkflow: IWorkflow<EMyWorkflowState>

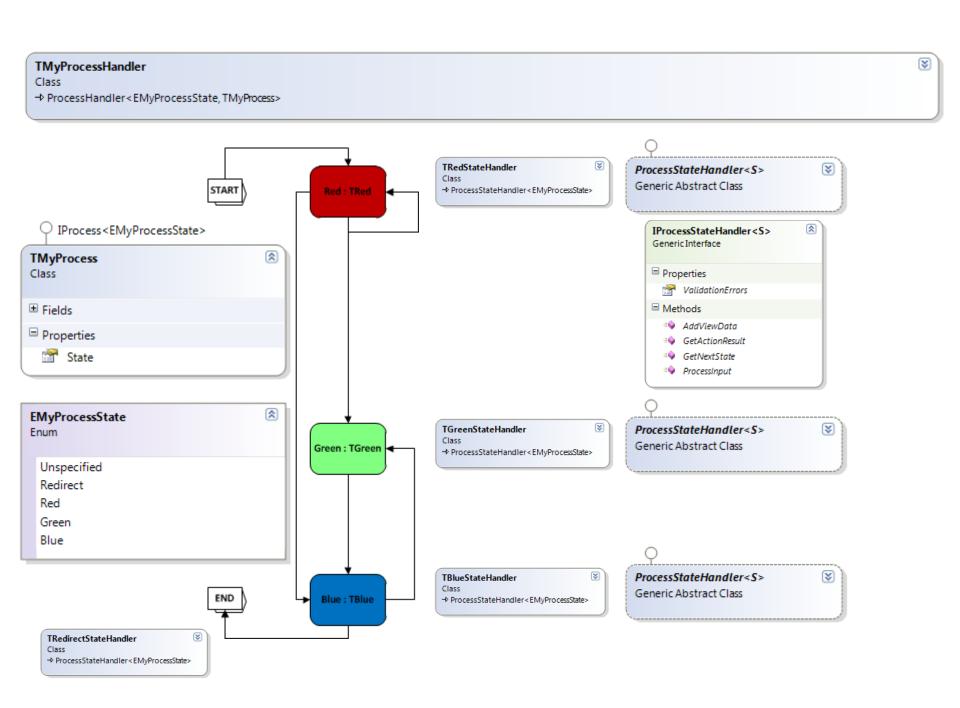


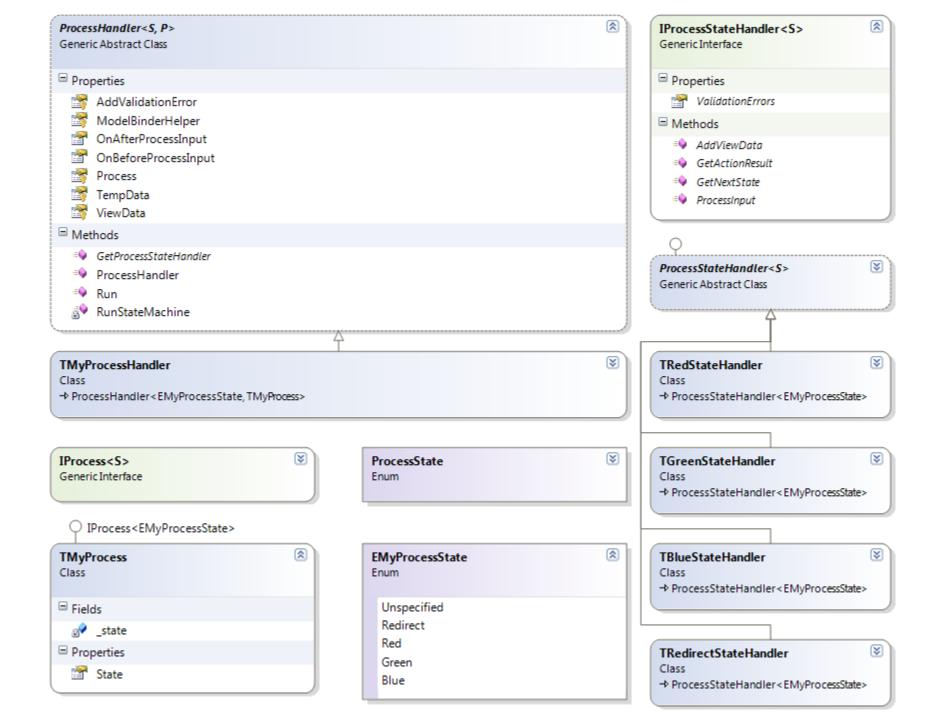
TMyWorkflow: IWorkflow<EMyWorkflowState>



TMyWorkflow: IWorkflow<EMyWorkflowState>



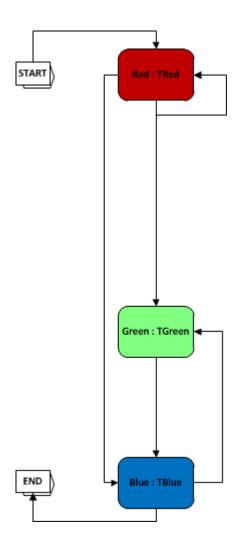




MyController.Default

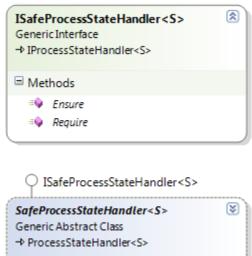
```
public ActionResult Default(SavedState savedState) {
    var workflowManager = new TMyWorkflowManager(
        this.GetMyWorkflowFrom(savedState),
        this.ModelBinderHelper,
        this.AddValidationError,
        this.ViewData
    );
    var actionResult = workflowManager.Run(this.Request);
    if (actionResult is RedirectResult != true) {
        this.SerializeMyWorkflow();
    } else {
        this.DeleteSavedState(savedStateId);
    return actionResult;
}
private TMyWorkflow GetMyWorkflowFrom(SavedState savedState) { . . }
```

Pre- and Postconditions



Require & Ensure





Require & Ensure

```
public override void ScanWarehouseCompartmentManager.Require() {
    if ( workflow.State != StoringPalletWorkflowState.ScanWarehouseCompartment) {
        throw new InvalidStateException( workflow.State.ToString());
    }
    if ( workflow.StoringTour == null) {
        throw new StorinTourIsNullException();
    }
    if ( workflow.WarehouseCompartment == null) {
        ; //DONE!
public override void ScanWarehouseCompartmentManager.Ensure() {
    if ( workflow.State != StoringPalletWorkflowState.ScanWarehouseCompartment) {
        throw new InvalidStateException( workflow.State.ToString());
    }
    if ( workflow.StoringTour == null){
        throw new StorinTourIsNullException();
    }
    if ( workflow.WarehouseCompartment == null) {
        throw new WarehouseCompartmentIsNullException();
    }
```

MyController.Default

```
public ActionResult Default(SavedState savedState) {
    var workflowManager = new TMyWorkflowManager(
        this.GetMyWorkflowFrom(savedState),
        this.ModelBinderHelper,
        this.AddValidationError,
        this. ViewData
    );
    var actionResult = workflowManager.Run(this.Request);
    if (actionResult is RedirectResult != true) {
        this.SerializeMyWorkflow();
    } else {
        this.DeleteSavedState(savedStateId);
    return actionResult;
}
private TMyWorkflow GetMyWorkflowFrom(SavedState savedState) { . . }
```

