Initializing the state machine

Script start

In order to initialize our state machine, we will need to tell it which is the event or message that triggers a new state machine instance. So, let's go ahead and define this message.

In Trading repo

```
1. Add Contracts.cs:
namespace Play. Trading. Service. Contracts
  public record PurchaseRequested(Guid UserId, Guid ItemId, int Quantity, Guid CorrelationId);
2. Update PurchaseStateMachine.cs:
public class PurchaseStateMachine: MassTransitStateMachine<PurchaseState>
  public State Accepted { get; }
  public State ItemsGranted { get; }
  public State Completed { get; }
  public State Faulted { get; }
  public Event<PurchaseRequested> PurchaseRequested { get; }
  public PurchaseStateMachine()
    InstanceState(state => state.CurrentState);
    ConfigureEvents();
    ConfigureInitialState()
  private void ConfigureEvents()
    Event(() => PurchaseRequested);
  }
  private void ConfigureInitialState()
    Initially(
      When(PurchaseRequested)
        .Then(context =>
```

```
{
    context.Instance.UserId = context.Data.UserId;
    context.Instance.ItemId = context.Data.ItemId;
    context.Instance.Quantity = context.Data.Quantity;
    context.Instance.Received = DateTimeOffset.UtcNow;
    context.Instance.LastUpdated = context.Instance.Received;
})
.TransitionTo(Accepted)
);
}

    TransitionTo(Accepted)
}
```

In the next lesson we will add a controller action that can publish the event that starts the state machine.