



@startuml

```

!define RECTANGLE class
!define ENTITY class
!define DATABASE class

```

```

RECTANGLE Customer {
    CustomerID: int
    Name: string
    Email: string
}

```

```

ENTITY "External System" {
    ExternalEntityID: int
    Data: string
}

```

```

DATABASE "Customer Database" {
    CustomerID: int
    Name: string
    Email: string
}

```

```
RECTANGLE "Rule Engine" {  
    ProcessData(customer: Customer, externalData: ExternalSystemData): RuleResult  
}
```

```
class RuleResult {  
    Valid: bool  
    Message: string  
}
```

```
Customer --> "Rule Engine": Customer Data  
"External System" --> "Rule Engine": External System Data  
"Rule Engine" --> "Customer Database": Save Customer Data
```

```
@endum1
```