



## DEPARTAMENTO DE CIENCIAS DE LA COMPUTACIÓN

### ANÁLISIS Y DISEÑO DE SOFTWARE NRC

#### **GRUPO #4:**

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#### **TAREA # PARCIAL 1**

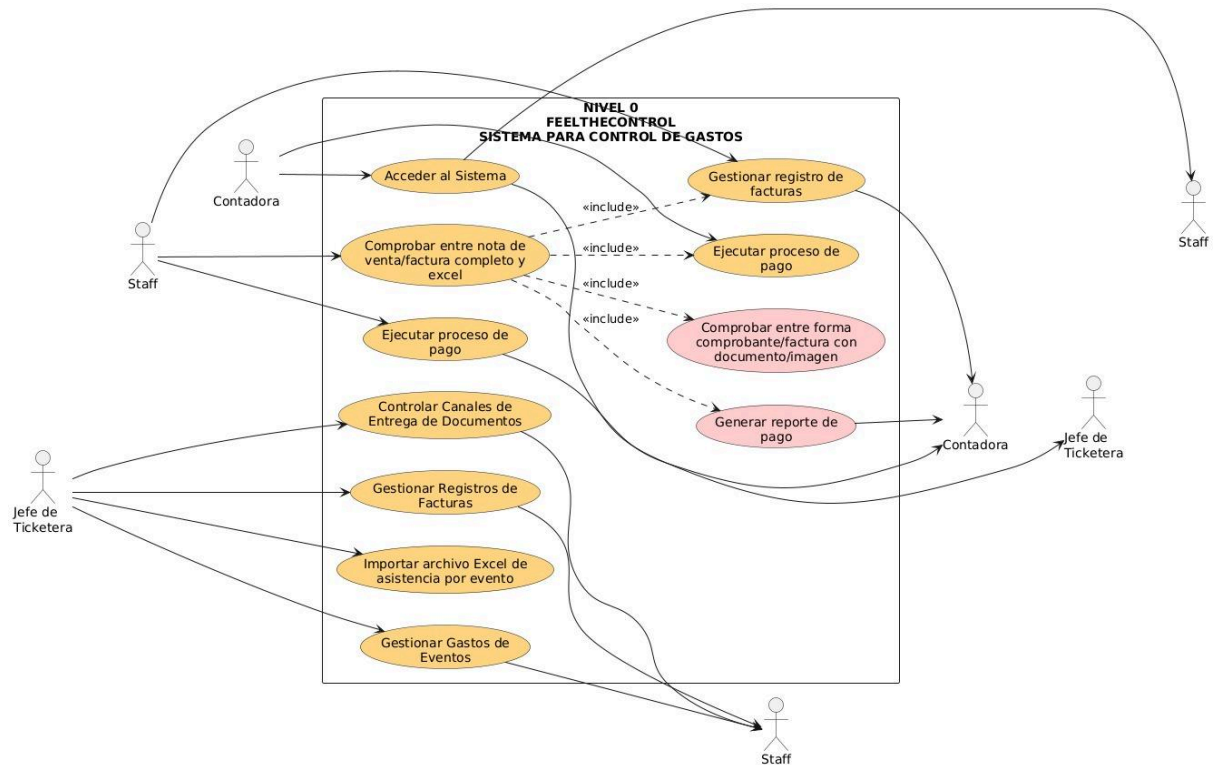
TEMA:  
“Casos de Uso - PlantUML”

TUTOR: Jenny Ruiz

Fecha de entrega: 27/10/2025

## NIVEL 0

### SISTEMA “Control de Gastos”



## CÓDIGO

@startuml

left to right direction

skinparam packageStyle rectangle

' Actores lado izquierdo

actor "Jefe de\nTicketera" as JefeL

actor "Staff" as StaffL

actor "Contadora" as ContadoraL

' Forzar posición vertical de actores izquierda

JefeL -[hidden]down- StaffL

StaffL -[hidden]down- ContadoraL

package "NIVEL 0\nFEELTHECONTROL\nSISTEMA PARA CONTROL DE GASTOS" {

' Casos de uso normales (color amarillo-naranja)

usecase "Importar archivo Excel de\nasistencia por evento" as UC\_IMPORT #FFD580

usecase "Gestionar Gastos de\nEventos" as UC\_GASTOS #FFD580

usecase "Controlar Canales de\nEntrega de Documentos" as UC\_CANALES #FFD580

usecase "Gestionar Registros de\nFacturas" as UC\_REGFACT #FFD580

usecase "Ejecutar proceso de\npago" as UC\_PAGAR #FFD580

usecase "Gestionar registro de\nfacturas" as UC\_REGFACT\_2 #FFD580

usecase "Comprobar entre nota de\nventa/factura completo y\nexcel" as UC\_COMPRO\_N #FFD580

usecase "Ejecutar proceso de\npago" as UC\_PAGAR\_2 #FFD580

usecase "Acceder al Sistema" as UC\_ACCEDER #FFD580

```
' Casos de uso destacados (color rojo suave)
usecase "Generar reporte de\npago" as UC_GENERAR #FFCCCC
usecase "Comprobar entre forma\ncomprobante/factura con\ndocumento/imagen" as
UC_COMPRO_F #FFCCCC
}
```

```
' Actores lado derecho
actor "Staff" as StaffR1
actor "Contadora" as ContadoraR
actor "Jefe de\nTicketera" as JefeR
actor "Staff" as StaffR2
```

```
' Forzar posición vertical de actores derecha
StaffR1 -[hidden]down- ContadoraR
ContadoraR -[hidden]down- JefeR
JefeR -[hidden]down- StaffR2
```

```
' === RELACIONES DESDE ACTORES IZQUIERDA ===
```

```
' Jefe de Ticketera (izquierda)
JefeL --> UC_IMPORT
JefeL --> UC_GASTOS
JefeL --> UC_CANALES
JefeL --> UC_REGFACT
```

```
' Staff (izquierda)
StaffL --> UC_REGFACT_2
StaffL --> UC_COMPRO_N
StaffL --> UC_PAGAR
```

```
' Contadora (izquierda)
ContadoraL --> UC_PAGAR_2
ContadoraL --> UC_ACCEDER
```

```
' === RELACIONES HACIA ACTORES DERECHA ===
```

```
' Staff (derecha superior)
UC_GASTOS --> StaffR1
UC_CANALES --> StaffR1
UC_REGFACT --> StaffR1
```

```
' Contadora (derecha)
UC_REGFACT_2 --> ContadoraR
UC_PAGAR --> ContadoraR
UC_GENERAR --> ContadoraR
```

```
' Jefe de Ticketera (derecha)
UC_ACCEDER --> JefeR
```

```
' Staff (derecha inferior)
UC_ACCEDER --> StaffR2
```

' === RELACIONES INCLUDE ENTRE CASOS DE USO ===

' Comprobar entre nota de venta/factura completo y excel tiene includes con:

UC\_COMPRO\_N ..> UC\_REGFACT\_2 : <<include>>

UC\_COMPRO\_N ..> UC\_GENERAR : <<include>>

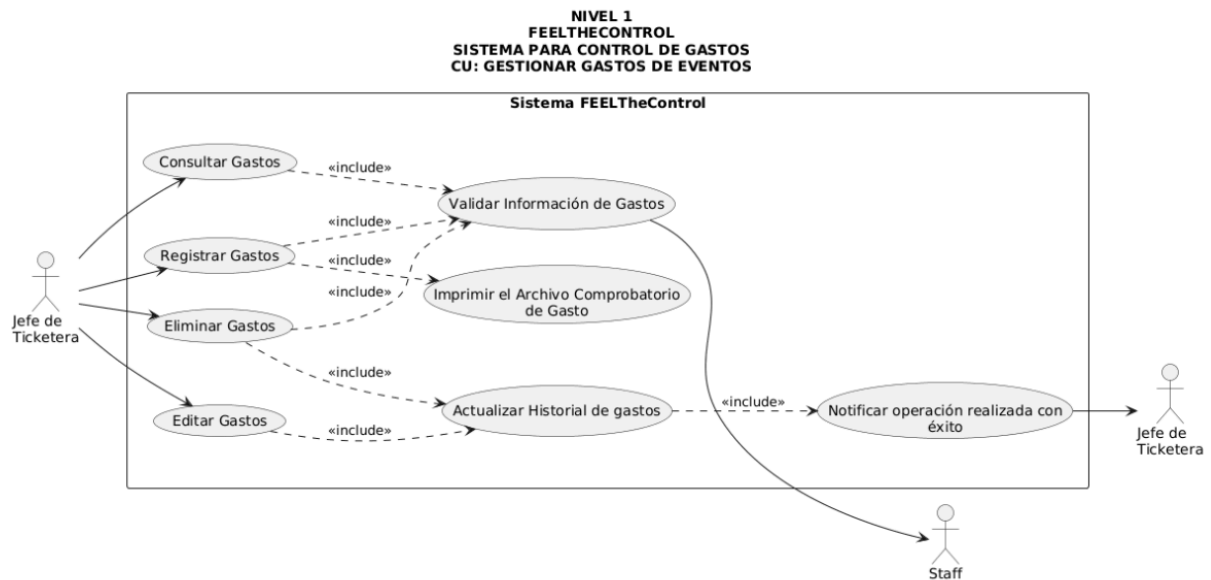
UC\_COMPRO\_N ..> UC\_COMPRO\_F : <<include>>

UC\_COMPRO\_N ..> UC\_PAGAR\_2 : <<include>>

@enduml

## NIVEL 1

### SUBSISTEMA “Gestionar gastos de eventos”



## CÓDIGO

@startuml

left to right direction

skinparam packageStyle rectangle

title NIVEL 1\nFEELTHECONTROL\nSISTEMA PARA CONTROL DE GASTOS\nnCU: GESTIONAR GASTOS DE EVENTOS

actor "Jefe de\nTicketera" as JefeTicketeraIzq

actor "Staff" as Staff

actor "Jefe de\nTicketera" as JefeTicketeraDer

```
rectangle "Sistema FEELTheControl" {
    usecase "Consultar Gastos" as UC1
    usecase "Registrar Gastos" as UC2
    usecase "Eliminar Gastos" as UC3
```

```

    usecase "Editar Gastos" as UC4
    usecase "Validar Información de Gastos" as UC5
    usecase "Imprimir el Archivo Comprobatorio\nde Gasto" as UC6
    usecase "Actualizar Historial de gastos" as UC7
    usecase "Notificar operación realizada con\néxito" as UC8
}

```

```

JefeTicketeraIzq --> UC1
JefeTicketeraIzq --> UC2
JefeTicketeraIzq --> UC3
JefeTicketeraIzq --> UC4

```

```

UC1 ..> UC5 : <<include>>
UC2 ..> UC5 : <<include>>
UC2 ..> UC6 : <<include>>
UC3 ..> UC5 : <<include>>
UC3 ..> UC7 : <<include>>
UC4 ..> UC7 : <<include>>

```

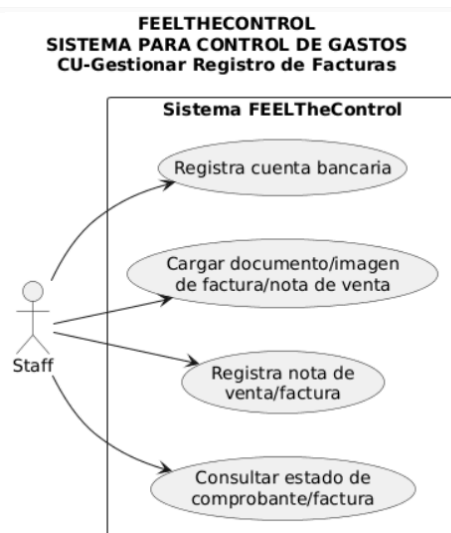
```

UC5 --> Staff
UC8 --> JefeTicketeraDer
UC7 ..> UC8 : <<include>>

```

@enduml

## SUBSISTEMA “Gestionar registro de facturas”



## CÓDIGO

@startuml

Left to right direction

skinparam packageStyle rectangle

```
title NIVEL 1\nFEELTHECONTROL\nSISTEMA PARA CONTROL DE GASTOS\nCU-Gestionar  
Registro de Facturas
```

```
actor "Staff" as Staff
```

```
rectangle "Sistema FEELTheControl" {  
    usecase "Consultar estado de\ncomprobante/factura" as UC1  
    usecase "Registra nota de\nventa/factura" as UC2  
    usecase "Cargar documento/imagen\nde factura/nota de venta" as UC3  
    usecase "Registra cuenta bancaria" as UC4  
}
```

```
Staff --> UC1
```

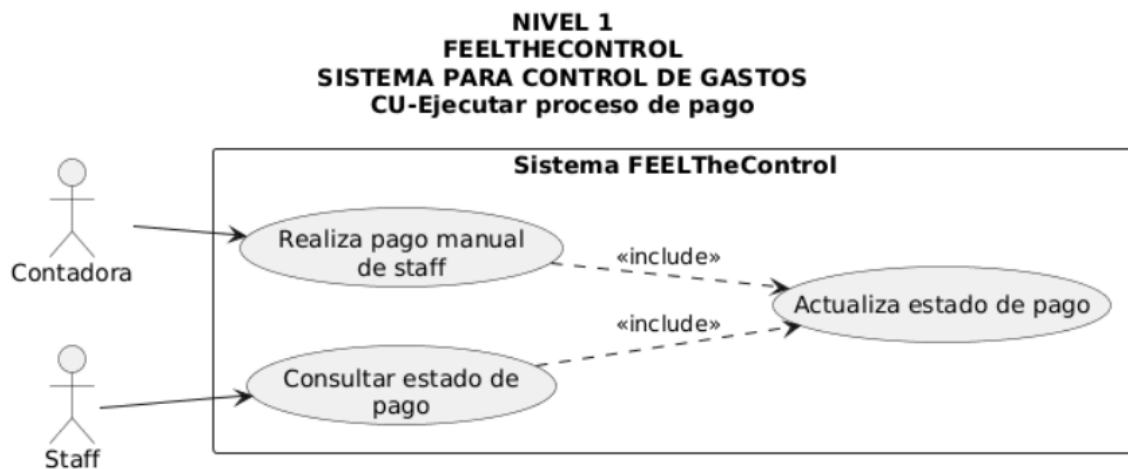
```
Staff --> UC2
```

```
Staff --> UC3
```

```
Staff --> UC4
```

```
@enduml
```

SUBSISTEMA “Ejecutar proceso de pago”



CÓDIGO

```
@startuml
```

```
Left to right direction
```

```
skinparam packageStyle rectangle
```

```
title NIVEL 1\nFEELTHECONTROL\nSISTEMA PARA CONTROL DE GASTOS\nCU-Ejecutar proceso  
de pago
```

```
actor "Contadora" as Contadora
```

```
actor "Staff" as Staff
```

```
rectangle "Sistema FEELTheControl" {
```

```

    usecase "Actualiza estado de pago" as UC1
    usecase "Realiza pago manual\nde staff" as UC2
    usecase "Consultar estado de\npago" as UC3
}

```

```

Contadora --> UC2
Staff --> UC3

```

```

UC2 ..> UC1 : <<include>>
UC3 ..> UC1 : <<include>>

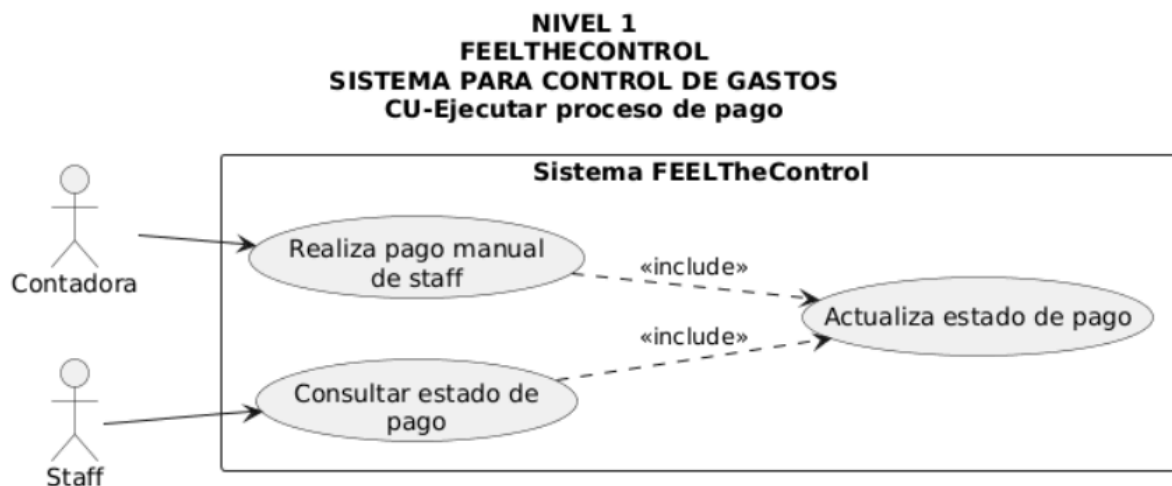
```

```

@enduml

```

SUBSISTEMA “Controlar canales de entrega de docuemntos”



CÓDIGO

```

@startuml
left to right direction
skinparam packageStyle rectangle

```

```

title CU: CONTROLAR CANALES DE ENTREGA DE DOCUMENTOS

```

```

actor "Jefe de\nTicketera" as JefeTicketeraIzq
actor "Jefe de\nTicketera" as JefeTicketeraDer

```

```

rectangle "Sistema FEELTheControl" {
    usecase "Registrar canal de entrega preferido" as UC1
    usecase "Verificar recepción de documentos\npor canal" as UC2
    usecase "Archivar documentos según canal" as UC3
    usecase "Reasignar canal de entrega para un\nusuario" as UC4
    usecase "Notificar confirmación de recepción de\ndocumentos al jefe del\nTicketera" as UC5
    usecase "Reportar canal incorrecto al jefe de La Ticketera" as UC6
    usecase "Validar integridad del archivo recibido" as UC7
}

```

}

*JefeTicketeraIzq* --> *UC1*

*JefeTicketeraIzq* --> *UC4*

*UC1* ..> *UC2* : <<include>>

*UC2* ..> *UC3* : <<include>>

*UC2* ..> *UC5* : <<include>>

*UC2* ..> *UC6* : <<extend>>

*UC2* ..> *UC7* : <<include>>

*UC5* --> *JefeTicketeraDer*

*UC6* --> *JefeTicketeraDer*

@enduml