**Test Design**

**VendorService**

Proveer servicios para guardar y editar un vendedor asociado a una entidad de negocio (debe crear una nueva entidad de negocio al momento de crear el vendedor y asociarlo) garantizando que el rating de crédito sea mayor a cero, la URL del servicio de pago inicie con https y el nombre no sea nulo. Se debe validar que existan la entidad de negocio (se pasa el identificador y se busca).

1. Equivalence Partitions

|  |  |  |
| --- | --- | --- |
| Variable | Valid Class | Invalid Class |
| businessentityid | * id exists | * id doesn’t exist |
| creditrating | * positive numeric value | * negative numeric value |
| purchasingwebserviceurl | * starts with “https” | * starts different of “https” |
| name | * not null | * null |

2. Limit Value Analysis

|  |  |  |
| --- | --- | --- |
| Variable | Limit Value Valid Class | Limit Value Invalid Class |
| businessentityid | * stored = 1 * actual = 1 | * stored = 0 * actual = 3 (any≠0) |
| creditrating | * 1 | * -1 |
| purchasingwebserviceurl | * “https” | * “http:” |
| name | * “test” (any name) | * null |

3. Test Cases

* BD:
  + businessentityid = 0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | businessentityid | creditrating | purchasingwebserviceurl | name |
| 1 | 1 | 1 | “https” | “test” |
| 2 | 3 | 1 | “https” | “test” |
| 3 | 1 | -1 | “https” | “test” |
| 4 | 1 | 1 | “http:” | “test” |
| 5 | 1 | 1 | “https” | null |

**ShipmethodService**

Proveer servicios para guardar y editar el método de envío garantizando que tenga una base y tasa mayores a cero, y que el nombre tenga al menos cuatro caracteres.

1. Equivalence Partitions

|  |  |  |
| --- | --- | --- |
| Variable | Valid Class | Invalid Class |
| shipbase | * positive numeric value | * negative numeric value |
| shiprate | * positive numeric value | * negative numeric value |
| name | * string with at least four chars | * string with less than four chars |

2. Limit Value Analysis

|  |  |  |
| --- | --- | --- |
| Variable | Limit Value Valid Class | Limit Value Invalid Class |
| shipbase | * 0.1 | * -0.1 |
| shiprate | * 0.1 | * -0.1 |
| name | * “FOUR” | * “FOU” |

3. Test Cases

|  |  |  |  |
| --- | --- | --- | --- |
| # | shipbase | shiprate | name |
| 1 | 0.1 | 0.1 | “FOUR” |
| 2 | -0.1 | 0.1 | “FOUR” |
| 3 | 0.1 | -0.1 | “FOUR” |
| 4 | 0.1 | 0.1 | “FOU” |

**PurchaseorderdetailService**

Proveer servicios para guardar y editar los detalles de órdenes de compra asociado a un encabezado de orden de compra. Debe validar que la cantidad y el precio unitario sean mayor a cero. Se debe validar que exista el encabezado de la órden (se pasa el identificador y se busca).

1. Equivalence Partitions

|  |  |  |
| --- | --- | --- |
| Variable | Valid Class | Invalid Class |
| pohid (purchaseorderheader) | * id exists | * id doesn’t exist |
| orderqty | * positive numeric value | * negative numeric value |
| unitprice | * positive numeric value | * negative numeric value |

2. Limit Value Analysis

|  |  |  |
| --- | --- | --- |
| Variable | Limit Value Valid Class | Limit Value Invalid Class |
| pohid (purchaseorderheader) | * stored = 1 * actual = 1 | * stored = 1 * actual = 3 (any≠1) |
| orderqty | * 1 | * -1 |
| unitprice | * 0.1 | * -0.1 |

3. Test Cases

* BD:
  + purchaseorderheader with id = 0

|  |  |  |  |
| --- | --- | --- | --- |
| # | pohid | orderqty | unitprice |
| 1 | 1 | 1 | 0.1 |
| 2 | 3 | 1 | 0.1 |
| 3 | 1 | -1 | 0.1 |
| 4 | 1 | 1 | -0.1 |

**PurchaseorderheaderService**

Proveer servicios para guardar y editar los encabezados de órdenes de compra asociado a una persona y un empleado (se debe buscar la persona y el empleado por el id) garantizando que tenga que la fecha de orden sea la actual, el subtotal debe ser mayo a cero. Se debe validar que exista el empleado y persona (de ellos se pasa el identificador y se busca).

1. Equivalence Partitions

|  |  |  |
| --- | --- | --- |
| Variable | Valid Class | Invalid Class |
| vendorid (Vendor) | * exists | * doesn’t exist |
| employeeid | * id exists | * id doesn’t exist |
| orderdate | * orderdate = actual date | * orderdate ≠ actual date |
| subtotal | * positive numeric value | * negative numeric value |

2. Limit Value Analysis

|  |  |  |
| --- | --- | --- |
| Variable | Limit Value Valid Class | Limit Value Invalid Class |
| vendorid (Vendor) | * stored = 1 * actual = 1 | * stored = 1 * actual = 3 (any≠1) |
| employeeid | * stored = 2 * actual = 2 | * stored = 2 * actual = 3 (any≠2) |
| orderdate | * Actual Date | * Yesterday * Tomorrow |
| subtotal | * 0.1 | * -0.1 |

3. Test Cases

* BD:
  + Businessentityid = 0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | vendorid | employeeid | orderdate | subtotal |
| 1 | 1 | 2 | Actual Date | 0.1 |
| 2 | 3 | 2 | Actual Date | 0.1 |
| 3 | 1 | 3 | Actual Date | 0.1 |
| 4 | 1 | 2 | 1 hour Before | 0.1 |
| 5 | 1 | 2 | 1 hour After | 0.1 |
| 6 | 1 | 2 | Actual Date | --0.1 |