**Kiểm thử cho aims**

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MSSV: 20204550

1. **UC001 Place Order**

**Kỹ thuật phân lớp tương đương:**

|  |  |
| --- | --- |
| Class | Test case |
| C1: Input: product avaibility, name valid, email valid, address valid, phone valid | T1: quantity dvd12: 1, Inventory number: 2;  Name: “Nguyen Dinh Hieu”, email: “[nguyendinhhieu800@gmail.com](mailto:thinhpd@gmail.com)”  Address: “Hoang Mai, Ha Noi”, phone: “0123456789”;   * Result: success |
| C2: Input: product not avaibility, name valid, email valid, address valid, phone valid | T2: quantity dvd12 :2 , Inventory number: 1;  Name: “Nguyen Dinh Hieu”, email: “[nguyendinhhieu800@gmail.com](mailto:thinhpd@gmail.com)”  Address: “Hoang Mai, Ha Noi”, phone: “0123456789”;   * Result: failed |
| C3: Input: product avaibility, name invalid, email valid, address valid, phone valid | T3: quantity dvd12 : 2, Inventory number: 1;  Name: “”, email: “[nguyendinhhieu800@gmail.com](mailto:thinhpd@gmail.com)”  Address: “Hoang Mai, Ha Noi, phone: 0123456789; => Result:failed |
| C4: Input: product avaibility, name valid, email invalid, address valid, phone valid | T4: quantity dvd12 : 1, Inventory number: 2;  Name: “Nguyen Dinh Hieu”, email: “[nguyendinhhieu800@.com](mailto:nguyendinhhieu800@.com)”  Address: “Hoang Mai, Ha Noi”, phone: “0123456789”;   * Result: failed |
| C5: Input: product avaibility, name valid, email valid, address invalid, phone valid | T5: quantity dvd12 : 1, Inventory number: 3;  Name: “Nguyen Dinh Hieu”, email: “[nguyendinhhieu800@ gmail.com](mailto:thinhpd@.com)”  Address:””, phone: “0123456789”;   * Result: failed |
| C6: Input: product avaibility, name valid, email valid, address valid, phone invalid | T6: quantity dvd12 : 1, Inventory number: 3;  Name: “Nguyen Dinh Hieu”, email: “[nguyendinhhieu800@gmail.com](mailto:thinhpd@gmail.com)”  Address: “Hoang Mai, Ha Noi”, phone: “012345678”;  => result: failed |

**Kỹ thuật Lớp biên**

* Số ký tự của số điện thoại:

Số ký tự = 11 => false

Số ký tự = 9 => false

Sô ký tự = 10 => true

**Kỹ thuật bảng quyết định**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 |
|  | Product avaibility | F | T | T | T | T | T |
| C | Name is empty | - | F | - | - | - | T |
|  | Email valid | - | - | F | - | - | T |
|  | Address valid | - | - | - | F | - | T |
|  | Phone 10 to 11 digit number | - | - | - | - | F | T |
|  | Request update cart | X |  |  |  |  |  |
| A | Calculate shipping fee and set delivery infor |  |  |  |  |  | X |
|  | Notify delivery form invalid |  | X | X | X | X |  |

1. **UC002 Rush order**

**Kỹ thuật phân lớp tương đương:**

|  |  |
| --- | --- |
| Class | Test case |
| C1: Input: Address support, At least one product support rush order | T1: Address: “Hoang Mai, Ha Noi”, media: dvd12, => success |
| C2: Input: Address not support, At least one product support rush order | T2: Address: “Hoang Mai, Can Tho”, media: dvd12, => failed |
| C3: Input: Address support, all product not support rush order | T3: Address: “Hoang Mai, Ha Noi”, media: CD sam da do, => failed |

**Kỹ thuật bảng quyết định**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 |
|  | Address support rush order | F | T | T |
| C | At least one product support  Rush order | - | F | T |
|  | Request add rush order infor |  |  |  |
| A | Request update delivery infor or method order | X | X | X |

1. **UC003 Pay order**

**Kỹ thuật phân lớp tương đương:**

|  |  |
| --- | --- |
| Class | Test case |
| C1: Input: cardCode valid, owner valid, cvvCode valid, dateExpired > date now | T1: cardCode: “1903 6903 000 111”, owner: “Nguyen Dinh Hieu”,  cvvCode: “123456”, dateExpired: 12/2024,   * Result: success |
| C2: Input: cardCode invalid, owner valid, cvvCode valid, dateExpired > date now | T2: cardCode: “1903 6903 000 1”, owner: “Nguyen Dinh Hieu”,  cvvCode: “123456”, dateExpired: 12/2024,   * Result: failed |
| C3: Input: cardCode valid, owner invalid, cvvCode valid, dateExpired > date now | T3: cardCode: “1903 6903 000 111”, owner: “”,  cvvCode: “123456”, dateExpired: 12/2024,   * Result: failed |
| C4: Input: cardCode valid, owner valid, cvvCode invalid, dateExpired > date now | T4: cardCode: “1903 6903 000 111”, owner: “Nguyen Dinh Hieu”,  cvvCode: “1”, dateExpired: 12/2024,   * Result: failed |
| C5: Input: cardCode valid, owner valid, cvvCode valid, dateExpired < date now | T5: cardCode: “1903 6903 000 111”, owner: “Nguyen Dinh Hieu”,  cvvCode: “123456”, dateExpired: 12/2022,   * Result: failed |

**Kỹ thuật Lớp biên**

* Số ký tự card code :

Số ký tự card code= 13 => false

Số ký tự card code = 15 => false

Số ký tự card code = 14 => true

* Số ký tự cvvCode code:

Số ký tự cvvCode code = 5 => false

Số ký tự cvvCode code = 7 => false

Số ký tự cvvCode code = 6 => true

* dateExpired:

dateExpired = 12/2024 => true

dateExpired = 12/2025 => false

dateExpired = 12/2023 => false

**Kỹ thuật bảng quyết định**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 |
|  | cardCode invalid | F | T | T | T | T |
| C | Owner invalid | - | - | T | T | T |
|  | cvvCode invalid | - | - | F | T | T |
|  | dateExpired > date now | - | - | - | F | T |
|  | Invalid card infor | X | X | X | X |  |
| A | Process payment  transaction |  |  |  |  | X |