

1. Class

| <<control>> PlaceRushOrderController | |
|--|--|
| - supportedItems : ArrayList<Media> | |
| + validateRushOrderInfo(info : Hashable) : void + calculateShippingFee() : int + placeRushOrder(cart : Cart, deliveryInfo : Map<String,String>, order : Order) : void - checkSupportability(cart : Cart, address : String) : void | |

2. Attribute

| No | Name | Type | Default value | Description |
|----|----------------|------------------|---------------|--|
| 1 | supportedItems | ArrayList<Media> | NULL | A list of Media which support rush order shipping. |

3. Operation

| No | Name | Return type | Purpose |
|----|----------------|-------------|--|
| 1 | placeRushOrder | void | Place rush order, then return new shipping fee |

Parameters:

- cart: represent user's shopping cart with products to place order.
- deliveryInfo: information about delivery.
- order: the order to be made

| No | Name | Return type | Purpose |
|----|-----------------------|-------------|--|
| 2 | validateRushOrderInfo | void | Validate user input for placing rush order |

Parameters:

- info: user input

| No | Name | Return type | Purpose |
|----|----------------------|-------------|---------------------------------------|
| 3 | calculateShippingFee | int | Calculate shipping fee for rush order |

Parameters: None

| No | Name | Return type | Purpose |
|----|---------------------|-------------|--|
| 4 | checkSupportability | void | Check if there is any item supported by rush order or the address is supported, then make a list of items supported by rush order. |

Parameters:

- cart: represent user's shopping cart with products to place order.
- address: user's delivery address.

4. Method

None

5. State

None