1.1.Content coupling

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| --- | --- | --- |
| Related modules | Description | Improvement |
| entity.order | In the future, there might be a module which manages to get deliveryInfo object by calling getDeliveryInfo() of Order class and then change the deliveryInfo |  |

1.2.Common coupling

|  |  |  |
| --- | --- | --- |
| Related modules | Description | Improvement |
| enity.cart | private static Cart cartInstance; | create get,set method |

1.3. Control coupling

|  |  |  |
| --- | --- | --- |
| Related modules | Description | Improvement |
|  |  |  |

1.4.Stamp coupling

|  |  |  |
| --- | --- | --- |
| Related modules | Description | Improvement |
| entity.Cart,controller.Basecontroller | checkMediaInCart(Media media) truyền cả media vào nhưng chỉ dùng id | nên chỉ dùng int id |

1.5.Data coupling

|  |  |  |
| --- | --- | --- |
| Related modules | Description | Improvement |
| controller.Paymentcontroller | method payOrder | good design |
| subsystem.interbank |  | good design |

2.1 Coincidental

|  |  |  |
| --- | --- | --- |
| Related modules | Description | Improvement |
| PlaceOrderController | createOrder() must belongs to Order | put createOrder() in Order to reuse |
| PlaceOrderController | calculateShippingFee(Order order) must belongs to order | put calculateShippingFee(Order order) in Order |

2.2 Logical

|  |  |  |
| --- | --- | --- |
| Related modules | Description | Improvement |
| PlaceOrderController | validateDeliveryInfo, validateAddress, validateName, validatePhone ,liên kết không chặt chẽ |  |
| PlaceRushOrderController | validateDeliveryInstruction,validateDeliveryDate,validateDeliveryTime,liên kết không chặt chẽ |  |

2.3 Temporal

|  |  |  |
| --- | --- | --- |
| Related modules | Description | Improvement |
|  |  |  |
|  |  |  |