

Rent Bike & MakeTransaction Design Review

1. Coupling

1.1. Content coupling

Related modules	Description	Improvement

1.2. Common coupling

Related modules	Description	Improvement

1.3. Control coupling

Related modules	Description	Improvement

1.4. Stamp coupling

Related modules	Description	Improvement

1.5. Data coupling

Related modules	Description	Improvement
Every pair of related classes	All class in the design only call and pass necessary data to others	

1.6. Uncoupled

Related modules	Description	Improvement

2. Cohesion

2.1. Coincidental cohesion

Related modules	Description	Improvement

2.2. Logical cohesion

Related modules	Description	Improvement

2.3. Temporal cohesion

Related modules	Description	Improvement

2.4. Procedural cohesion

Related modules	Description	Improvement
TransactionControl, RentBikeControl		

2.5. Communicational cohesion

Related modules	Description	Improvement
PaymentScreen, PaymentResultScreen, BarcodeScreen, BikeInfoScreen, RentingConfirmationPopup, InterbankSubsystemControl, InterbankBoundary	The components in this class performed on the same data.	

2.6. Sequential cohesion

Related modules	Description	Improvement

2.7. Informational cohesion

Related modules	Description	Improvement
Bike, CreditCard, PaymentTransaction, Request, Response	The components in this class is related to the same data structure	

2.8. Functional cohesion

Related modules	Description	Improvement