

DESIGN PRINCIPLES

1. Single Responsibility Principle

#	Related modules	Description	Improvement

2. Open/Closed Principle

#	Related modules	Description	Improvement
2.1.	SessionScreenController and InvoiceScreenController	There's only 1 way to calculate renting fees and final rent fees. Adding new formula requires changing current classes.	Using Strategy design pattern.

3. Liskov Substitution Principle

#	Related modules	Description	Improvement

4. Interface Segregation Principle

#	Related modules	Description	Improvement

5. Dependency Inversion Principle

#	Related modules	Description	Improvement
5.1.	model PaymentTransaction and model CreditCard	PaymentTransaction is coupled with CreditCard (concrete class). Adding new type of cards requires changing PaymentTransaction	Use a parent class over all type of Cards. Then let PaymentTransaction to use this parent class only