

PROJET 4

Tester l'implémentation d'une nouvelle fonctionnalité Java

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Lien vers le repo GitHub

<https://github.com/June-Ruth/parkingsystem/tree/release/v.1.0>

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CHECKSTYLE REPORT

Checkstyle Results

The following document contains the results of [Checkstyle](#) 8.29 with sun_checks.xml ruleset.

[rss feed](#)

[XML](#)

Summary

Files

	 Info	 Warnings	 Errors
23	0	0	0

Files

File

	 I	 W	 E

Rules

Category	Rule	Violations	Severity

Details

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SUREFIRE REPORT

Surefire Report

Summary

[[Summary](#)] [[Package List](#)] [[Test Cases](#)]

Tests	Errors	Failures	Skipped	Success Rate	Time
40	0	0	0	100%	6.397

Note: failures are anticipated and checked for with assertions while errors are unanticipated.

Package List

[[Summary](#)] [[Package List](#)] [[Test Cases](#)]

Package	Tests	Errors	Failures	Skipped	Success Rate	Time
com.parkit.parkingsystem.dao	12	0	0	0	100%	0.544
com.parkit.parkingsystem.util	4	0	0	0	100%	3.149
com.parkit.parkingsystem.service	23	0	0	0	100%	1.13
com.parkit.parkingsystem.config	1	0	0	0	100%	1.574

Note: package statistics are not computed recursively, they only sum up all of its testsuites numbers.

com.parkit.parkingsystem.dao

	Class	Tests	Errors	Failures	Skipped	Success Rate	Time
	TicketDAOTest	8	0	0	0	100%	0.409
	ParkingSpotDAOTest	4	0	0	0	100%	0.135

com.parkit.parkingsystem.util

	Class	Tests	Errors	Failures	Skipped	Success Rate	Time
	InputReaderUtilTest	4	0	0	0	100%	3.149

com.parkit.parkingsystem.service

	Class	Tests	Errors	Failures	Skipped	Success Rate	Time
	ParkingServiceTest	9	0	0	0	100%	0.441
	InteractiveShellTest	4	0	0	0	100%	0.439

	FareCalculatorServiceTest	10	0	0	0	100%		0.25

com.parkit.parkingsystem.config

	Class	Tests	Errors	Failures	Skipped	Success Rate	Time
	DataBaseManagerTest	1	0	0	0	100%	1.574

Test Cases

[Summary] [Package List] [Test Cases]

InputReaderUtilTest

▲	readSelectionTestException	3.022
▲	readVehicleRegistrationNumberTestValid	0.045
▲	readVehicleRegistrationNumberTestInvalid	0.062
▲	readSelectionTest1	0

TicketDAOTest

▲	checkTicketByVehicleRegNumberTestFalse	0.041
▲	saveTicketTestFail	0.074
▲	updateTicketTestSuccess	0.001
▲	getTicketTestSuccess	0.002
▲	getTicketTestWithNonExistingVehicleRegNumber	0.009
▲	checkTicketByVehicleRegNumberTestTrue	0.015
▲	updateTicketTestFail	0.009
▲	saveTicketTestSuccess	0.008

DataBaseManagerTest

	getConnectionTestSuccess	1.502
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ParkingServiceTest

	getNextParkingNumberIfAvailableTestBike	0.09
	getNextParkingNumberIfAvailableTestCarNotAvailable	0.095
	processExitingVehicleTestCar	0.001
	processExitingVehicleTestException	0.149
	processExitingVehicleTestElseCase	0.001
	getNextParkingNumberIfAvailableTestCar	0.001
	getNextParkingNumberIfAvailableTestDefault	0.001
	processIncomingVehicleTestCar	0.002
	processIncomingVehicleTestException	0.098

InteractiveShellTest

	loadInterfaceTestWhenProcessIncomingVehicle	0.355
	loadInterfaceTestWhenProcessExitingVehicle	0.016
	loadInterfaceTestWhenExitInterface	0.028
	loadInterfaceTestDefault	0.019

FareCalculatorServiceTest

	calculateFareTestCar	0.184
	calculateFareTestBikeWithLessThanOneHourParkingTime	0.006
	calculateFareTestForLessThan30min	0.003

⚠	calculateFareTestForRecurrentUserCar	0.005
⚠	calculateFareTestBikeWithFutureInTime	0.007
⚠	calculateFareTestCarWithMoreThanADayParkingTime	0.004
⚠	calculateFareTestForRecurrentUserBike	0.004
⚠	calculateFareTestCarWithLessThanOneHourParkingTime	0.007
⚠	calculateFareTestBikeWithNullOutTime	0.004
⚠	calculateFareTestBike	0.004

ParkingSpotDAOTest

⚠	getNextAvailableSlotForCarSuccess	0.065
⚠	getNextAvailableSlotForCarFail	0.022
⚠	updateParkingTestUpdate	0.016
⚠	getNextAvailableSlotForBikeSuccess	0.014

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JACOCO REPORT

parking-system

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.parkit.parkingsystem.dao		86 %		66 %	4	16	12	81	0	10	0	2
com.parkit.parkingsystem.config		71 %		50 %	4	7	10	33	1	4	1	2
com.parkit.parkingsystem.model		82 %		50 %	10	30	6	43	2	22	0	2
com.parkit.parkingsystem		0 %		n/a	2	2	7	7	2	2	1	1
com.parkit.parkingsystem.service		98 %		86 %	4	33	2	136	0	16	0	3
com.parkit.parkingsystem.util		100 %		75 %	1	6	0	19	0	4	0	1
com.parkit.parkingsystem.constants		100 %		n/a	0	1	0	3	0	1	0	1
Total	115 of 1059	89 %	20 of 68	70 %	25	95	37	322	5	59	2	12

Created with JaCoCo 0.8.5.201910111838

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SPOTBUGS REPORT

SpotBugs Bug Detector Report

The following document contains the results of [SpotBugs](#)

SpotBugs Version is 4.1.4

Threshold is *medium*

Effort is *default*

Summary

Classes	Bugs	Errors	Missing Classes
15	0	0	0

Files

Class	Bugs

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Annexes

JACOCO REPORT

parking-system Sessions

parking-system

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.parkit.parkingsystem.dao	86 %	66 %	4	16	12	81	0	10	0	10	0	2
com.parkit.parkingsystem.config	71 %	50 %	4	7	10	33	1	4	1	4	1	2
com.parkit.parkingsystem.model	82 %	50 %	10	30	6	43	2	22	0	2	0	2
com.parkit.parkingsystem	0 %	n/a	2	2	7	7	2	2	1	1	1	1
com.parkit.parkingsystem.service	98 %	86 %	4	33	2	136	0	16	0	16	0	3
com.parkit.parkingsystem.util	100 %	75 %	1	6	0	19	0	4	0	4	0	1
com.parkit.parkingsystem.constants	100 %	n/a	0	1	0	3	0	1	0	1	0	1
Total	115 of 1059	89 %	20 of 68	70 %	25	95	37	322	5	59	2	12

Created with JaCoCo 0.8.5.201910111838

parking-system > com.parkit.parkingsystem.dao Sessions

com.parkit.parkingsystem.dao

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
TicketDAO	87 %	75 %	2	10	7	57	0	6	0	1	0	1
ParkingSpotDAO	82 %	50 %	2	6	5	24	0	4	0	4	0	1
Total	39 of 286	86 %	4 of 12	66 %	4	16	12	81	0	10	0	2

Created with JaCoCo 0.8.5.201910111838

parking-system > com.parkit.parkingsystem.dao > TicketDAO Sessions

TicketDAO

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
getTicket(String)	84 %	75 %	1	3	2	22	0	1	0	1
updateTicket(Ticket)	83 %	100 %	0	2	3	10	0	1	0	1
checkTicketByVehicleRegNumber(String)	81 %	n/a	0	1	2	10	0	0	1	1
saveTicket(Ticket)	98 %	50 %	1	2	0	13	0	1	0	1
static(...)	100 %	n/a	0	1	0	1	0	1	0	1
TicketDAO()	100 %	n/a	0	1	0	1	0	1	0	1
Total	26 of 211	87 %	2 of 8	75 %	2	10	7	57	0	6

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parking-system > com.parkit.parkingsystem.dao > ParkingSpotDAO Sessions

ParkingSpotDAO

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
updateParking(ParkingSpot)	77 %	50 %	1	2	3	9	0	1	0	1
getNextAvailableSlot(ParkingType)	84 %	50 %	1	2	2	12	0	0	1	1
static(...)	100 %	n/a	0	1	0	2	0	1	0	1
ParkingSpotDAO()	100 %	n/a	0	1	0	1	0	1	0	1
Total	13 of 75	82 %	2 of 4	50 %	2	6	5	24	0	4

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parking-system > com.parkit.parkingsystem.config Sessions

com.parkit.parkingsystem.config

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
DataBaseManager	82 %	50 %	3	6	5	28	0	3	0	1	0	1
DataSourceFactory	0 %	n/a	1	1	5	5	1	1	1	1	1	1
Total	32 of 111	71 %	3 of 6	50 %	4	7	10	33	1	4	1	2

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parking-system > com.parkit.parkingsystem.config > DataBaseManager Sessions

DataBaseManager

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
DataBaseManager(String, int)	81 %	50 %	2	3	3	17	0	1	0	1
getConnection()	70 %	n/a	0	1	2	7	0	1	0	1
static(...)	91 %	50 %	1	2	0	4	0	1	0	1
Total	17 of 96	82 %	3 of 6	50 %	3	6	5	28	0	3

Created with JaCoCo 0.8.5.201910111838

parking-system > com.parkit.parkingsystem.config > DataSourceFactory Sessions

DataSourceFactory

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
get(String, String, String)	0 %	n/a	1	1	5	5	1	1	1	1
Total	15 of 15	0 %	0 of 0	n/a	1	1	5	5	1	1

Created with JaCoCo 0.8.5.201910111838

parking-system > com.parkit.parkingsystem.model Sessions

com.parkit.parkingsystem.model

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
Ticket	81 %	50 %	5	19	3	26	1	15	0	1	0	1
ParkingSpot	85 %	50 %	5	11	3	17	1	7	0	1	0	1
Total	23 of 135	82 %	8 of 16	50 %	10	30	6	43	2	22	0	2

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Ticket

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
<code>hashCode()</code>		0 %		n/a	1	1	1	1	1	1
<code>equals(Object)</code>		80 %		50 %	4	5	2	6	0	1
<code>setId(int)</code>		100 %		n/a	0	1	0	2	0	1
<code>setParkingSpot(ParkingSpot)</code>		100 %		n/a	0	1	0	2	0	1
<code>setVehicleRegNumber(String)</code>		100 %		n/a	0	1	0	2	0	1
<code>setPrice(double)</code>		100 %		n/a	0	1	0	2	0	1
<code>setInTime(LocalDateTime)</code>		100 %		n/a	0	1	0	2	0	1
<code>setOutTime(LocalDateTime)</code>		100 %		n/a	0	1	0	2	0	1
<code>Ticket()</code>		100 %		n/a	0	1	0	1	0	1
<code>getId()</code>		100 %		n/a	0	1	0	1	0	1
<code>getParkingSpot()</code>		100 %		n/a	0	1	0	1	0	1
<code>getVehicleRegNumber()</code>		100 %		n/a	0	1	0	1	0	1
<code>getPrice()</code>		100 %		n/a	0	1	0	1	0	1
<code>getInTime()</code>		100 %		n/a	0	1	0	1	0	1
<code>getOutTime()</code>		100 %		n/a	0	1	0	1	0	1
Total	15 of 81	81 %	4 of 8	50 %	5	19	3	26	1	15

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ParkingSpot

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
<code>equals(Object)</code>		80 %		50 %	4	5	2	6	0	1
<code>hashCode()</code>		0 %		n/a	1	1	1	1	1	1
<code>ParkingSpot(int, ParkingType, boolean)</code>		100 %		n/a	0	1	0	5	0	1
<code>setAvailable(boolean)</code>		100 %		n/a	0	1	0	2	0	1
<code>getId()</code>		100 %		n/a	0	1	0	1	0	1
<code>getParkingType()</code>		100 %		n/a	0	1	0	1	0	1
<code>isAvailable()</code>		100 %		n/a	0	1	0	1	0	1
Total	8 of 54	85 %	4 of 8	50 %	5	11	3	17	1	7

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com.parkit.parkingsystem

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
<code>App</code>		0 %		n/a	2	2	7	7	2	2	1	1
Total	13 of 13	0 %	0 of 0	n/a	2	2	7	7	2	2	1	1

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com.parkit.parkingsystem.service

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
<code>FareCalculatorService</code>		94 %		90 %	1	9	1	27	0	3	0	1
<code>ParkingService</code>		98 %		76 %	3	15	1	74	0	8	0	1
<code>InteractiveShell</code>		100 %		100 %	0	9	0	35	0	5	0	1
Total	8 of 438	98 %	4 of 30	86 %	4	33	2	136	0	16	0	3

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FareCalculatorService

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
<code>calculateFare(Ticket)</code>		94 %		90 %	1	7	1	23	0	1
<code>FareCalculatorService()</code>		100 %		n/a	0	1	0	2	0	1
<code>setTicketDAO(TicketDAO)</code>		100 %		n/a	0	1	0	2	0	1
Total	5 of 97	94 %	1 of 11	90 %	1	9	1	27	0	3

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ParkingService

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
<code>processIncomingVehicle()</code>		96 %		50 %	3	4	1	24	0	1
<code>processExitingVehicle()</code>		100 %		100 %	0	2	0	20	0	1
<code>getNextParkingNumberIfAvailable()</code>		100 %		100 %	0	2	0	8	0	1
<code>getVehicleType()</code>		100 %		100 %	0	3	0	10	0	1
<code>ParkingService(InputReaderUtil, ParkingSpotDAO, TicketDAO)</code>		100 %		n/a	0	1	0	6	0	1
<code>getVehicleRegNumber()</code>		100 %		n/a	0	1	0	2	0	1
<code>setFareCalculatorService(FareCalculatorService)</code>		100 %		n/a	0	1	0	2	0	1
<code>static(...)</code>		100 %		n/a	0	1	0	2	0	1
Total	3 of 255	98 %	3 of 13	76 %	3	15	1	74	0	8

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InteractiveShell

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
loadInterface()		100 %		100 %	0	5	0	19	0	1
static(...)		100 %		n/a	0	1	0	7	0	1
loadMenu()		100 %		n/a	0	1	0	5	0	1
setInputReaderUtil(InputReaderUtil)		100 %		n/a	0	1	0	2	0	1
setParkingService(ParkingService)		100 %		n/a	0	1	0	2	0	1
Total	0 of 86	100 %	0 of 6	100 %	0	9	0	35	0	5

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com.parkit.parkingsystem.util

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
InputReaderUtil		100 %		75 %	1	6	0	19	0	4	0	1
Total	0 of 52	100 %	1 of 4	75 %	1	6	0	19	0	4	0	1

Created with JaCoCo 0.8.5.201910111838

InputReaderUtil

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
readVehicleRegistrationNumber()		100 %		75 %	1	3	0	9	0	1
readSelection()		100 %		n/a	0	1	0	5	0	1
InputReaderUtil(Scanner)		100 %		n/a	0	1	0	3	0	1
static(...)		100 %		n/a	0	1	0	2	0	1
Total	0 of 52	100 %	1 of 4	75 %	1	6	0	19	0	4

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ParkingType

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
ParkingType		100 %		n/a	0	1	0	3	0	1
Total	0 of 24	100 %	0 of 0	n/a	0	1	0	3	0	1

Created with JaCoCo 0.8.5.201910111838