Projet 4 Park'it

Couverture de test de 70 pourcents ou plus sur l'ensemble de l'application
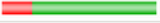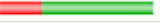
parking-system

Couverture actuelle de 40 pourcent

parking-system

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.parkit.parkingsystem.dao		2 %		0 %	13	15	90	92	8	10	0	2
com.parkit.parkingsystem.service		80 %		71 %	11	32	31	122	4	14	1	3
com.parkit.parkingsystem.config		0 %		0 %	9	9	26	26	6	6	1	1
com.parkit.parkingsystem.util		16 %		0 %	5	6	15	17	3	4	0	1
com.parkit.parkingsystem.constants		71 %		n/a	2	3	2	5	2	3	2	3
Total	564 of 941	40 %	29 of 52	44 %	40	65	164	262	23	37	4	10

Travail effectué

- Création de test d'intégration pour TicketDAO et ParkingSpotDAO (Modèle ParkingDataBaseIT)
  - TicketDAOIT : vérifie qu'un ticket enregistré peut se relire à l'identique
- Séparation des tests
  - Unitaires (*Test.java) exécutés par *Surefire*
  - Intégration (*IT.java) exécutés par *Failsafe*
- Correction du bug dans TicketDAO.saveTicket
  - Remplace ps.execute() par ps.executeUpdate()
  - Retourne true quand rows == 1
  - Supprime le return false du finally
- Couverture après corrections
  - 73 % d'instructions (objectif ≥ 70 % atteint)

Rapports

Tests Unitaires

Rapport SureFire

parking-system

Surefire Report
Summary

[Summary] [Package List] [Test Cases]

Tests	Errors	Failures	Skipped	Success Rate	Time
26	0	0	0	100%	1.046 s

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	26	0	0	0	100%	1.046 s

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

com.parkit.parkingsystem

-	Class	Tests	Errors	Failures	Skipped	Success Rate	Time
☀	FareCalculatorServiceTest	11	0	0	0	100%	0.034 s
☀	ParkingServiceTest	15	0	0	0	100%	1.012 s

Test Cases

FareCalculatorServiceTest

⚙	calculateFareBikeWithDiscount	0.007 s
⚙	calculateFareCarWithLessThanOneHourParkingTime	0 s
⚙	calculateFareBikeWithLessThan30minutesParkingTime	0.001 s
⚙	calculateFareCarWithDiscount	0 s
⚙	calculateFareUnkownType	0.001 s
⚙	calculateFareCar	0.001 s
⚙	calculateFareBike	0 s
⚙	calculateFareCarWithLessThan30minutesParkingTime	0.001 s
⚙	calculateFareCarWithMoreThanADayParkingTime	0 s
⚙	calculateFareBikeWithLessThanOneHourParkingTime	0.001 s
⚙	calculateFareBikeWithFutureInTime	0.017 s

ParkingServiceTest

⚙	processExitingVehicle_shouldApplyDiscount_forReturningUser	0.958 s
⚙	testProcessIncomingVehicle_PremiereVisite	0.002 s
⚙	processExitingVehicleTestUnableUpdate	0.001 s
⚙	testProcessExitingVehicle_Exception	0.022 s
⚙	processIncomingVehicleTest_WithValidData	0.002 s
⚙	testGetNextParkingNumberIfAvailable_Success	0.001 s
⚙	getNextParkingNumberIfAvailableTest	0.001 s
⚙	testGetNextParkingNumberIfAvailable_WrongArgument	0.003 s
⚙	testGetNextParkingNumberIfAvailable_Bike	0.001 s
⚙	processExitingVehicle_shouldNotApplyDiscount_forFirstTimeUser	0.002 s
⚙	processExitingVehicle_shouldApplyDiscount_forUserWithMultiplePreviousVisits	0.002 s
⚙	testProcessIncomingVehicle_Exception	0.003 s
⚙	testGetNextParkingNumberIfAvailable_NoSlotAvailable	0.003 s
⚙	processExitingVehicleTest	0.002 s
⚙	processIncomingVehicleTest	0.002 s

Rapport Jacoco

parking-system

parking-system

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.parkit.parkingsystem.service		80 %		71 %	11	32	31	122	4	14	1	3
com.parkit.parkingsystem.dao		83 %		50 %	6	16	16	96	0	10	0	2
com.parkit.parkingsystem.config		11 %		0 %	7	9	24	26	4	6	0	1
com.parkit.parkingsystem.util		16 %		0 %	5	6	15	17	3	4	0	1
com.parkit.parkingsystem.constants		71 %		n/a	2	3	2	5	2	3	2	3
Total	251 of 949	73 %	25 of 54	53 %	31	66	88	266	13	37	3	10

Tests d'intégration

Rapport FailSafe

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Failsafe Report

Summary

[Summary] [Package List] [Test Cases]

Tests	Errors	Failures	Skipped	Success Rate	Time
4	0	0	0	100%	7.067 s

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.integration	4	0	0	0	100%	7.067 s

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

com.parkit.parkingsystem.integration

-	Class	Tests	Errors	Failures	Skipped	Success Rate	Time
☼	ParkingDataBaseIT	3	0	0	0	100%	6.195 s
☼	TicketDAOIT	1	0	0	0	100%	0.872 s

Test Cases

[Summary] [Package List] [Test Cases]

ParkingDataBaseIT

☼	testParkingLotExitRecurringUser	2.871 s
☼	testParkingLotExit	2.060 s
☼	testParkingACar	0.932 s

TicketDAOIT

☼	saveTicket_then_getTicket	0.870 s