Products	Categories	Parameters	Parameter Name Values	Parameter Values	E	С	D	В	Intermediate I(P)	Rw	I(P)
					0.35	0.1	0.15	0.4			
Spring Framework	System	System(R1)	Application Server	Any Java EE server	95	90	99	94	94.7	0.01	0.947
		System(R2)	Web Server	Tomcat and equivalent	100	100	100	90	96	0.02	1.92
		System(R3)	Cost	Free	100	100	100	100	100	0.03	3
		System(R4)	Database	JDBC driver	90	95	90	90	90.5	0.02	1.81
		System(R5)	License	Apache License 2.0	100	100	100	100	100	0.01	1
		System(R6)	Operating System	Cross platform	100	100	100	100	100	0.01	1
		System(R7)	Programming Language	Java	80	95	90	85	85	0.01	0.85
	Security	Security(R1)	LDAP Authentication	Module available	90	85	90	80	85.5	0.02	1.71
		Secrity(R2)	SSL Support	Template available	95	90	95	85	90.5	0.08	7.24
	Support	Support(R1)	Certification Program	Available	90	95	90	0	54.5	0.01	0.545
		Support(R2)	Code Skeletons	Available	70	75	80	70	72	0.02	1.44
		Support(R3)	Commercial Manuals	NA	0	0	0	0	0	0	0
		Support(R4)	Commercial Support	NA	0	0	0	0	0	0	0
		Support(R5)	Commercial Training	NA	0	0	0	0	0	0	0
		Support(R6)	Online Help	Extensive help	90	90	95	85	88.75	0.02	1.775
		Support(R7)	Professional Service	NA		0	0	0	0	0	0
		Support(R8)	Public Forum	Extensive forum	90	95	90	0	54.5	0.01	0.545
		Support(R9)	Public Mailing List	Available	100	100	100	0	60	0.01	0.6
		Support(R10)	Test Framework	Not available	0	0	0	0	0	0.01	0
		Support(R11)	Third Party Developers	Available	70	70	75	80	74.75	0.01	0.7475
		Support(R12)	User Conference	Available	90	80	85	0	52.25	0	0
	Easy to Use	EasyToUse(R1)	Web Application Development	Highly used	95	90	95	95	94.5	0.08	7.56
		EasyToUse(R2)	Web Service Development	Available	95	95	90	95	94.25	0.05	4.7125
		EasyToUse(R3)	UI Support	Supports	80	85	80	80	80.5	0.03	2.415
	Performance	Performance(R1)	Caching	Available	70	70	75	70	70.75	0.06	4.245
		Performance(R2)	Load Balancing	No direct feature	0	0	0	0	0	0.02	0
		Performance(R3)	Page Caching	Indirect feature	0	0	0	0	0	0.03	0
	Management	Management(R1)	Scheduling	Available	70	75	70	70	70.5	0.03	2.115
		Management(R2)	Template Support	Available	60	65	70	60	62	0.03	1.86
		Management(R3)	Translation Support	No direct feature	0	0	0	0	0	0.01	0
		Management(R4)	Application Statistics	No direct feature	0	0	0	0	0	0.01	0
		Management(R5)	Workflow API	No direct feature	0	0	0	0	0	0.01	0
	Interoperability	Interoperability(R1)	Web Service	REST support	90	95	90	90	90.5	0.07	6.335
		Interoperability(R2)	FTP Support	No support	0	0	0	0	0	0.03	0
	Flexibility	Flexibility(R1)	Feature Extension	Extensible	90	95	90	90	90.5	0.07	6.335
		Flexibility(R2)	Multi-Lingual Support	No support	0	0	0	0	0	0.03	0
	Built-In Features	BuiltIn(R1)	Data Access Layer	Available	90	90	90	95	92	0.03	2.76
		BuiltIn(R2)	UI Modules	Not available	0	0	0	0	0	0.02	0
		BuiltIn(R3)	ORM	Available	95	90	95	90	92.5	0.03	2.775
		BuiltIn(R4)	JMS	Available	85	80	85	80	82.5	0.01	0.825
		BuiltIn(R5)	Transactions	Available	80	85	85	80	81.25	0.02	1.625
		BuiltIn(R6)	Graphs and Charts	Not available	0	0	0	0	0	0.01	0
		BuiltIn(R7)	Web Service Front End	Not available	0	0	0	0	0	0.01	0
		BuiltIn(R7)	OXM	Object-XML available	85	90	90	80	84.25	0.01	0.8425
											69.5345

Play Framework	System	System(R1)	Application Server	Any Java EE server	80	85	85	75	79.25	0.01	0.7925
		System(R2)	Web Server	JBoss Netty	90	100	95	95	93.75	0.02	1.875
		System(R3)	Cost	Free	100	100	100	100	100	0.03	3
		System(R4)	Database	JDBC driver	80	85	80	80	80.5	0.02	1.61
		System(R5)	License	Apache License 2.0	100	100	100	100	100	0.01	1
		System(R6)	Operating System	Cross platform	100	100	100	100	100	0.01	1
		System(R7)	Programming Language	Java, Scala	100	100	100	100	100	0.01	1
	Security	Security(R1)	LDAP Authentication	Module available	80	85	90	80	82	0.02	1.64
		Secrity(R2)	SSL Support	Template available	85	80	85	90	86.5	0.08	6.92
	Support	Support(R1)	Certification Program	Not available	0	0	0	0	0	0.01	0
		Support(R2)	Code Skeletons	Available	75	80	80	70	74.25	0.02	1.485
		Support(R3)	Commercial Manuals	NA	0	0	0	0	0	0	0
		Support(R4)	Commercial Support	NA	0		0	0	0	0	0
		Support(R5)	Commercial Training	NA	0	0	0	0	0	0	0
		Support(R6)	Online Help	Available	70	70	85	80	76.25	0.02	1.525
		Support(R7)	Professional Service	Available	90	80	85	0	52.25	0	0
		Support(R8)	Public Forum	Available	70	75	70	0	42.5	0.01	0.425
		Support(R9)	Public Mailing List	Available	75	70	80	0	45.25	0.01	0.4525
		Support(R10)	Test Framework	Available	60	65	60	60	60.5	0.01	0.605
		Support(R11)	Third Party Developers	Available	70	70	75	70	70.75	0.01	0.7075
		Support(R12)	User Conference	Available	60	65	60	0	36.5	0	0
	Ease to Use	EasyToUse(R1)	Web Application Development	Supports multi-node	90	90	95	90	90.75	0.08	7.26
		EasyToUse(R2)	Web Service Development	Supports multi-node	95	95	90	90	92.25	0.05	4.6125
		EasyToUse(R3)	UI Support	Supports	80	85	80	80	80.5	0.03	2.415
	Performance	Performance(R1)	Caching	API available	70	60	70	70	69	0.06	4.14
		Performance(R2)	Load Balancing	Available	80	70	80	80	79	0.02	1.58
		Performance(R3)	Page Caching	Indirect	0	0	0	0	0	0.03	0
	Management	Management(R1)	Scheduling	Available	85	80	80	70	77.75	0.03	2.3325
		Management(R2)	Template Support	Available	90	95	90	90	90.5	0.03	2.715
		Management(R3)	Translation Support	Not available	0	0	0	0	0	0.01	0
		Management(R4)	Application Statistics	Not available	0	0	0	0	0	0.01	0
		Management(R5)	Workflow API	Not available	0	-	0	0	0	0.01	0
	Interoperability	Interoperability(R1)	Web Service	Available multi-node	90	80	85	80	84.25	0.07	5.8975
		Interoperability(R2)	FTP Support	No direct API	0	0	0	0	0	0.03	0
	Flexibility	Flexibility(R1)	Feature Extension	Supports	80	85	80	80	80.5	0.07	5.635
		Flexibility(R2)	Multi-Lingual Support	No direct support	0		0	0	0	0.03	0
	Built-In Features	· ' '	Data Access Layer	Available	70	75	75	70	71.25	0.03	2.1375
		BuiltIn(R2)	UI Modules	Supports	70	70	75	80	74.75	0.02	1.495
		BuiltIn(R3)	ORM	Functional support	80	85	80	80	80.5	0.03	2.415
		BuiltIn(R4)	JMS	Supports	90	95	90	90	90.5	0.01	0.905
		BuiltIn(R5)	Transactions	Available	80	85	80	80	80.5	0.02	1.61
		BuiltIn(R6)	Graphs and Charts	Not available	0	0	0	0	0	0.01	0
		BuiltIn(R7)	Web Service Front End	Not available	0		0	0	0	0.01	0
		BuiltIn(R8)	OXM	Functional mappers	70	80	85	70	73.25	0.01	0.7325
											69.92