

The output of Randoop generated test cases:

Library-Management-System21/src		66.3 %	23,702	12,031	35,733
> ItemStateManagement		100.0 %	14	0	14
> ItemsData		90.9 %	120	12	132
> Randoop.TestCasesItemStateManagement.		86.6 %	1,574	243	1,817
> Randoop.TestCasesRentingVisitorData.Publ		86.6 %	1,574	243	1,817
> Randoop.TestCasesItemStateManagement.		78.7 %	1,551	419	1,970
> Randoop.TestCasesNotificationSystem.Not		78.1 %	1,525	428	1,953
> Randoop.TestCasesUserData.UserFactory		77.4 %	1,246	363	1,609
> Randoop.TestCasesItemStateManagement.		77.3 %	862	253	1,115
> Randoop.TestCasesPaymentSystem.Payme		76.5 %	902	277	1,179
> Randoop.TestCasesItemsData.CD		76.0 %	1,041	329	1,370
> Randoop.TestCasesItemsData.Magazine		76.0 %	1,041	329	1,370
> Randoop.TestCasesRentingVisitorData.Rent		75.7 %	1,746	561	2,307
> Randoop.TestCasesPaymentSystem.Payme		75.1 %	1,039	345	1,384
> Randoop.TestCasesNewsLetterSystem.New		72.2 %	713	274	987
> Randoop.TestCasesMenuOptions.ActionClo		72.1 %	680	263	943
> Randoop.TestCasesSystemInventory.Library		71.6 %	911	361	1,272
> RentingVisitorData		70.9 %	95	39	134
> Randoop.TestCasesSystemInventory.System		70.5 %	1,172	491	1,663
> Randoop.TestCasesItemsData.Book		67.9 %	705	333	1,038
> Randoop.TestCasesMenuOptions.ActionVie		67.9 %	705	333	1,038
> NewsLetterSystem		64.6 %	42	23	65
> Randoop.TestCasesNotificationSystem.Not		63.2 %	434	253	687
> NotificationSystem		63.2 %	12	7	19
> Randoop.TestCasesUserData.FacultyMembr		62.1 %	543	332	875
> Randoop.TestCasesUserData.NonFaculty		62.1 %	543	332	875
> Randoop.TestCasesUserData.Student		62.1 %	543	332	875
> Randoop.TestCasesPaymentSystem.Payme		58.4 %	658	468	1,126
> Randoop.TestCasesMenuOptions.MenuOpt		58.1 %	18	13	31
> PaymentSystem		56.8 %	46	35	81
> Randoop.TestCasesUserData.Client		53.4 %	70	61	131
> Randoop.TestCasesSystemInventory.Library		50.0 %	535	534	1,069
> Randoop.TestCasesSystemInventory.Subjec		50.0 %	13	13	26
> SystemInventory		48.2 %	453	486	939
> UserData		43.4 %	134	175	309
> MenuOptions		26.0 %	19	54	73
> Randoop.TestCasesNewsLetterSystem.New		15.1 %	354	1,983	2,337
> Randoop.TestCasesSystemInventory.Physic		6.3 %	69	1,034	1,103

Library-Management-System21/src

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes	
Randoop.TestCasesNewsLetterSystem.NewsLetterSystem	<div><div></div></div>	15%	<div><div></div></div>	50%	42	85	655	793	1	44	1	2	
Randoop.TestCasesSystemInventory.PhysicalItemDetails	<div><div></div></div>	6%	<div><div></div></div>	35%	42	73	217	251	1	32	1	2	
Randoop.TestCasesRentingVisitorData.RentingInquiryVisitor	<div><div></div></div>	75%	<div><div></div></div>	50%	40	81	96	625	1	42	1	2	
Randoop.TestCasesSystemInventory.LibraryManagementTeam	<div><div></div></div>	50%	<div><div></div></div>	50%	50	92	96	260	2	44	2	4	
Randoop.TestCasesSystemInventory.SystemInventory	<div><div></div></div>	70%	<div><div></div></div>	50%	63	97	61	445	1	35	1	2	
SystemInventory	<div><div></div></div>	48%	<div><div></div></div>	25%	55	88	127	226	22	50	0	6	
Randoop.TestCasesPaymentSystem.PaymentInfo	<div><div></div></div>	58%	<div><div></div></div>	50%	34	69	64	308	1	36	1	2	
Randoop.TestCasesNotificationSystem.NotificationSystem	<div><div></div></div>	78%	<div><div></div></div>	50%	33	67	63	694	1	35	1	2	
Randoop.TestCasesItemStateManagement.BorrowedItem	<div><div></div></div>	78%	<div><div></div></div>	50%	33	67	65	701	1	35	1	2	
Randoop.TestCasesUserData.UserFactory	<div><div></div></div>	77%	<div><div></div></div>	50%	31	63	51	497	1	33	1	2	
Randoop.TestCasesSystemInventory.LibraryManagementSystem	<div><div></div></div>	71%	<div><div></div></div>	50%	33	63	49	390	1	31	1	2	
Randoop.TestCasesPaymentSystem.PaymentProxy	<div><div></div></div>	75%	<div><div></div></div>	50%	32	65	40	339	1	34	1	2	
Randoop.TestCasesMenuOptions.ActionView	<div><div></div></div>	67%	<div><div></div></div>	50%	46	75	42	252	1	30	1	2	
Randoop.TestCasesItemsData.Book	<div><div></div></div>	67%	<div><div></div></div>	50%	46	75	42	252	1	30	1	2	
Randoop.TestCasesUserData.Student	<div><div></div></div>	62%	<div><div></div></div>	50%	34	66	44	245	2	34	2	4	
Randoop.TestCasesUserData.FacultyMember	<div><div></div></div>	62%	<div><div></div></div>	50%	34	66	44	245	2	34	2	4	
Randoop.TestCasesUserData.NonFaculty	<div><div></div></div>	62%	<div><div></div></div>	50%	34	66	44	245	2	34	2	4	
Randoop.TestCasesItemsData.CD	<div><div></div></div>	75%	<div><div></div></div>	50%	69	99	31	293	1	31	1	2	
Randoop.TestCasesItemsData.Magazine	<div><div></div></div>	75%	<div><div></div></div>	50%	69	99	31	293	1	31	1	2	
Randoop.TestCasesPaymentSystem.Payment	<div><div></div></div>	76%	<div><div></div></div>	50%	50	77	26	312	1	28	1	2	
Randoop.TestCasesNewsLetterSystem.NewsLetter	<div><div></div></div>	72%	<div><div></div></div>	50%	38	66	27	241	1	29	1	2	
Randoop.TestCasesMenuOptions.ActionClose	<div><div></div></div>	72%	<div><div></div></div>	50%	27	55	27	328	1	29	1	2	
Randoop.TestCasesItemStateManagement.Request	<div><div></div></div>	77%	<div><div></div></div>	50%	26	53	26	431	1	28	1	2	
Randoop.TestCasesNotificationSystem.Notification	<div><div></div></div>	63%	<div><div></div></div>	50%	26	53	26	209	1	28	1	2	
Randoop.TestCasesItemStateManagement.State	<div><div></div></div>	86%	<div><div></div></div>	50%	25	51	25	659	1	27	1	2	
Randoop.TestCasesRentingVisitorData.Publishers	<div><div></div></div>	86%	<div><div></div></div>	50%	25	51	25	659	1	27	1	2	
UserData	<div><div></div></div>	43%	<div><div></div></div>	10%	32	62	50	105	16	46	1	7	
Randoop.TestCasesUserData.Client	<div><div></div></div>	53%	<div><div></div></div>	50%	10	17	6	29	1	8	1	2	
MenuOptions	<div><div></div></div>	26%	<div><div></div></div>	25%	12	15	23	32	8	11	2	3	
RentingVisitorData	<div><div></div></div>	70%	<div><div></div></div>	n/a	3	7	12	40	3	7	0	2	
PaymentSystem	<div><div></div></div>	56%	<div><div></div></div>	0%	6	16	8	28	3	13	0	3	
NewsLetterSystem	<div><div></div></div>	64%	<div><div></div></div>	n/a	4	14	11	26	4	14	0	2	
Randoop.TestCasesMenuOptions.MenuOptions	<div><div></div></div>	58%	<div><div></div></div>	50%	2	5	2	9	1	4	1	2	
Randoop.TestCasesSystemInventory.Subject	<div><div></div></div>	50%	<div><div></div></div>	50%	2	5	2	8	1	4	1	2	
ItemsData	<div><div></div></div>	90%	<div><div></div></div>	n/a	3	30	6	57	3	30	0	3	
NotificationSystem	<div><div></div></div>	63%	<div><div></div></div>	n/a	2	7	3	10	2	7	0	2	
ItemStateManagement	<div><div></div></div>	100%	<div><div></div></div>	n/a	0	6	0	6	0	6	0	3	
Total		12,031 of 35,733	66%	1,071 of 2,047	47%	1,113	2,046	2,167	10,543	93	1,021	35	95