TODO List Manager on Steroids Test Cases Document Team 3.09

1. Introduction

The goal of the project is to extend the existent TODO List Application on Android to a Web application and to provide sync functionalities between the Android and the Web application, thereby enhancing the user-experience.

2. Quality Control

2.1 Test Plan Quality

The application will be rigorously tested by all 4 members of the team. During the testing process the team will follow a comprehensive test plan, which will aim to cover all aspects of the application both on the Android platform, Web platform and the sync feature between both, that is prone to have errors. The test plan will also ensure that all the functional requirements specified by the customer are met. The quality of the test plan will be measured by the coverage and the number of defects it helps isolate.

2.2 Adequacy Criterion

The adequacy criterion depends on the extent to which the test cases made are successful in debugging the program code. The test plan coverage is complete satisfying all requirements. All defects should be addressed and must be successful in the successive iterations.

2.3 Bug Tracking

The bug tracking will be carried out by using a shared Google spreadsheet so that it could be easily collaborated. The bugs need to documented and fixed properly.

3. Test Cases

The Test cases that we formulate to test the program form the basis of the whole testing phase. These parameters are the ones against which the code can be verified. The code should be able to withstand any arbitrary inputs without failing or crashing. The test cases we plan to test are as follows:

Sl.			Expected		Pass/	
No	Category	Test Case	Result	Actual Result	Fail	Severity
		Creating a				
	User Creation -	new valid	New user is	New user is		
1	Android	user	created	created	Pass	High
			Error should			
			be reported			
			and new user			
		Creating a	is not created.			
		new user	Should			
		with same	prompt the			
		name as an	user to use a	Error: "User		
		existing	different	already		
2		user	username	exists"	Pass	Medium
			100 users	100		
			should be	usernames		
		Creating	created	should be		
		100 distinct	without any	created		
3		usernames	issues	successfully	Pass	Medium

1	I	İ	l a	1	l .	ı r
			Appropriate			
			error message			
		Creating	to be			
		user with	displayed	Error:		
		empty	saying invalid	"Please enter		
		username	username or	Username		
		and	password	and		
4		password	accordingly	password"	Pass	High
		Logging in	User should be			
		the	logged in and			
		application	user-specific			
		with	task list needs			
		correct	to be			
5		credentials	displayed		Pass	Medium
			User should			
			not be logged			
			in and error			
			should be			
		Logging in	reported			
		the	saying	Error:		
		application	incorrect	"Incorrect		
		with	password/	credentials,		
		incorrect	username	please try		
6		credentials	accordingly	again"	Pass	Medium
		Creating a				
		new valid	New user is			
7	User Creation - Web	user	created		Pass	Medium
			Error should			
			be reported			
			and new user			
		Creating a	is not created.			
		new user	Should			
		with same	prompt the			
		name as an	user to use a			
		existing	different	Username		
8		user	username	doesn't exist	Pass	Medium
		Creating	100 users			
		100 distinct	should be			
9		usernames	created		Pass	Low

			without any issues			
			Appropriate			
			error message			
		Creating	to be			
		user with	displayed	_		
		empty	saying invalid	Error:		
		username	username or	"Please enter		
		and	password	username and		
10		password	accordingly	password"	Pass	High
		Logging in	User should be			
		the	logged in and			
		application	user-specific			
		with	task list needs			
		correct	to be			
11		credentials	displayed		Pass	Medium
			User should			
			not be logged			
			in and error			
			should be			
		Logging in	reported			
		the	saying	Error:		
		application	incorrect	"Incorrect		
		with	password/	credentials,		
		incorrect	username	please try		
12		credentials	accordingly	again"	Pass	Medium
			User account			
			should be			
			deleted			
		Deleting a	including the			
	User Deletion -	user	user specific			
13	Android	account	task lists.		Pass	High
			User should			
			not be logged			
		Trying to	in and error			
		Login with	should be			
		the deleted	reported	Error:		
		user	saying	"Username		
14		credentials	incorrect	doesn't exist"	Pass	High

			username			
			accordingly			
is .						
			User account			
			should be			
		Delection	deleted			
		Deleting a	including the			
15	Haar Dalatian Wah	user	user specific		Daga	II: _l.
15	User Deletion - Web	account	task lists.		Pass	High
			User should			
			not be logged in and error			
			should be			
		Trying to	reported			
		Login with	saying			
		the deleted	incorrect	Error:		
		user	username	"Username		
16		credentials	accordingly	doesn't exist"	Pass	High
		User tries	8,			8
		to add a				
		task using				
		the task				
		name,				
		priority	Task should			
	Task Creation -	and due	be created and			
17	Android	date	displayed		Pass	Medium
		User tries	Task should			
		to add a	be created			
		task only	with default			
		by using	priority, due			
		the task	date and			
18		name	displayed		Pass	Medium
		User tries	Task should			
		to add a	not be created			
		new task	and should			
		with the	report an	Error: "Task		
		same task	error saying	name already		
19		name,	duplicate task	exists"	Pass	High

		priority and due date				
		User tries				
		to add a				
		new task				
		with the				
		same task				
		name but				
		different	m 1 1 11	D "T		
		priority	Task should	Error: "Task		
20		and due	not be created	name already	D	N/ 1:
20		date	and displayed Task should	exists"	Pass	Medium
			be removed			
			from the			
			pending task			
			list and sent to			
			the completed			
			list. However			
			the task			
			should be still			
	Task Check-off -	User checks	present on the			
21	Android	off a task	all task list		Pass	Low
			The edited			
			parameters			
			should be			
			reflected			
			overriding the			
		User edits a	pre-edited			
22	Task Edit - Android	task	version		Pass	Medium
			The task			
			should be			
			removed from			
		User edits a	the completed			
		completed	task list and			
		task to	sent to the			
		pending	pending task			
23		task	list		Fail	Low

1			The task is		ĺ
			deleted and		
			should be		
			removed from		
		User tries	all, pending		
	Task Delete -	to delete a	and completed		
24	Android	task	task lists	Pass	Medium
			All the marked		
			tasks should		
			be deleted and		
		User tries	should be		
		to mark a	removed from		
		list of tasks	all, pending		
		and delete	and completed		
25		them	task lists	Pass	Medium
			The task		
			should be		
			saved with		
			default		
			priority and		
			due date in		
		User	case of new		
		edits/add a	task and with		
		task. Fills in	the existing		
		the task	parameters		
		name and	along with the		
		in the	edited		
		process,	portions in		
	Task Auto-save -	presses the	cases of an		
26	Android	back button	existing task	Fail	Low
		User tries			
		to add a			
		task using			
		the task			
		name,			
		priority	Task should		
		and due	be created and	_	
27	Task Creation - Web	date	displayed	Pass	Medium

		User tries	Task should			
		to add a	be created			
		task only	with default			
		by using	priority, due			
		the task	date and			
28		name	displayed		Pass	Medium
		User tries				
		to add a				
		new task				
		with the	Task should			
		same task	not be created			
		name,	and should			
		priority	report an	Error: "Task		
		and due	error saying	name already		
29		date	duplicate task	exists"	Pass	Medium
		User tries				
		to add a				
		new task				
		with the				
		same task				
		name but				
		different				
		priority	Task should			
		and due	be created and			
30		date	displayed		Pass	Low
			Task should			
			be removed			
			from the			
			pending task			
			list and sent to			
			the completed			
			list. However			
			the task			
			should be still			
		User checks	present on the			
31	Task Checkoff - Web	off a task	all task list		Pass	Low
			The edited			
		User edits a	parameters			
32	Task Edit - Web	task	should be		Pass	Medium
		J. J	-110 1114 00		1 200	

1 1	1	I	l	I	1	ı .
			reflected			
			overriding the			
			pre-edited			
			version			
			The task			
			should be			
			removed from			
		User edits a	the completed			
		completed	task list and			
		task to	sent to the			
		pending	pending task			
33		task	list		Pass	Medium
			The task is			
			deleted and			
			should be			
			removed from			
		User tries	all, pending			
		to delete a	and completed			
34	Task Delete - Web	task	task lists		Pass	Medium
			All the marked			
			tasks should			
			be deleted and			
		User tries	should be			
		to mark a	removed from			
		list of tasks	all, pending			
		and delete	and completed			
35		them	task lists		Pass	Medium
		User				
		creates a				
		new task in				
		the mobile				
		application				
		and presses	The task is			
		the sync	added to both			
		button on	the mobile			
		mobile	and the web			
36	Task Creation - Sync	application	application		Pass	Medium
		User	The task is			
37		creates a	added only to		Pass	Medium

1	new task in	the mobile		
	the mobile	application.		
	application	The task is not		
	and opens	added on the		
	the web	web		
	application	application		
	User			
	creates a			
	new task in			
	the web			
	application			
	and presses			
	sync on the	The task is		
	already	added to both		
	started	the mobile		
	mobile	and the web		
38	application	application	Pass	Medium
	User			
	creates a			
	new task in			
	the web	The task is		
	application	added to both		
	and	the mobile		
	restarts the	and the web		
39	application	application	Pass	Low
	User			
	creates a			
	new task in			
	the web	added only to		
	application	web		
	and the	application.		
	mobile	The task is not		
	application	added on the		
	is already	mobile		
40	started	application.	Pass	Medium

			The task is		
		User	added to both		
		creates a	the mobile		
		new task	and the web		
		on mobile	application.		
		application,	The edited		
		presses	task is seen		
		sync on	only on the		
		mobile,	web		
		edits the	application.		
		task on the	The mobile		
		web	shows the		
41	Task Edit - Sync	application	stale version.	Pass	Medium
	, , , , , , , , , , , , , , , , , , ,	User			
		creates a			
		new task			
		on mobile			
		application,	The task is		
		presses	added to both		
		sync on	the mobile		
		mobile,	and the web		
		edits the	application.		
		task on the	The edited		
		web	task is		
		application	updated on		
		and presses	both the		
		sync on the	mobile and		
		mobile	web		
42		application	applications.	Pass	Medium
		User	The task is		
		creates a	added to both		
		new task	the mobile		
		on mobile	and the web		
		application,	application.		
		presses	The edited		
		sync on	task is		
		mobile,	updated on		
		edits the	both the		
43		task on the	mobile and	Pass	Medium

	web	web		
	application	applications.		
	and			
	restarts the			
	application			
	on the			
	mobile			
		The task is		
		added to both		
	User	the mobile		
	creates a	and the web		
	new task	application.		
	on web	The edited		
	application,	task is seen		
	presses	only on the		
	sync on	mobile		
	mobile,	application.		
	edits the	The web		
	task on	application		
	mobile	shows the		
44	application	stale version.	Pass	Medium
	User			
	creates a			
	new task			
	on web			
	application,	The task is		
	presses	added to both		
	sync on	the mobile		
	mobile,	and the web		
	edits the	application.		
	task on	The edited		
	mobile	task is		
	application	updated on		
	and presses	both the		
	sync on the	mobile and		
	mobile	web		
45	application	applications.	Pass	Medium

	User			
	creates a new task			
	on web			
	application,	The task is		
	presses	added to both		
	sync on	the mobile		
	mobile,	and the web		
	edits the	application.		
	task on	The edited		
	mobile	task is		
	application	updated on		
	and	both the		
	restarts the	mobile and		
	mobile	web		
46	application	applications.	Pass	Medium
	User			
	creates a			
	new task			
	on web	The task is		
	application,	added to both		
	presses	the mobile		
	sync on	and the web		
	mobile,	application.		
	edits the	The edited		
	task on web	task is		
	application	updated on		
	and presses	both the		
	sync on the	mobile and		
	mobile	web		
47	application	applications.	Pass	Medium
	User	The task is		
	creates a	added to both		
	new task	the mobile		
	on web	and the web		
	application,	application.		
	presses	The edited		
40	sync on	task is	D.	N. 1.
48	mobile,	updated on	Pass	Medium

		edits the	both the		
		task on web	mobile and		
		application	web		
		and	applications.		
		restarts the			
		mobile			
		application			
		User			
		creates a			
		new task	The task is		
		on web	added to both		
		application,	the mobile		
		presses	and the web		
		sync on	application.		
		mobile,	The edited		
		edits the	task is seen		
		task on web	only on the		
		application	web		
		and	application.		
		restarts the	The mobile		
		web	shows the		
49		application	stale version.	Pass	Medium
		User	The task is		
		creates a	created on		
		new task	both the		
		on mobile	applications.		
		application,	The task is		
		presses	deleted on the		
		sync on	web		
		mobile	application,		
		application,	but still		
		deletes it	present on the		
		on the web	mobile		
50	Task Deletion - Sync	application	application.	Pass	Medium
		User	The task is		
		creates a	created on		
		new task	both the		
		on mobile	applications.		
51		application,	The task is	Pass	Medium

	presses	deleted on		
	sync on	both the		
	mobile	applications.		
	application,			
	deletes it			
	on the web			
	application			
	and presses			
	sync on the			
	mobile			
	application			
	User			
	creates a			
	new task			
	on mobile			
	application,			
	presses			
	sync on			
	mobile			
	application,	The task is		
	deletes it	created on		
	on the web	both the		
	application	applications.		
	and	The task is		
	restarts the	deleted on		
	mobile	both the		
52	application	applications.	Fail	Medium
	User	The task is		
	creates a	created on		
	new task	both the		
	on mobile	applications.		
	application,	The task is		
	presses	deleted on the		
	sync on	mobile		
	mobile	application		
	application,	but still		
	deletes it	present on the		
	on mobile	web		
53	application	application	Pass	Medium

	User			
	creates a			
	new task			
	on mobile			
	application,			
	presses			
	sync on			
	mobile			
	application,	The task is		
	deletes it	created on		
	on mobile	both the		
	application,	applications.		
	presses	The task is		
	sync on	deleted on		
	mobile	both the		
54	application	applications.	Pass	Medium
	User			
	creates a			
	new task			
	on mobile			
	application,			
	presses			
	sync on			
	mobile	The task is		
	application,	created on		
	deletes it	both the		
	on mobile	applications.		
	application,	The task is		
	restarts the	deleted on		
	mobile	both the		
55	application	applications.	Pass	Medium
	User	The task is		
	creates a	created on		
	new task	both the		
	on web	applications.		
	application,	The task is		
	presses	deleted on the		
	sync on	mobile		
56	mobile	application	Pass	Medium

	application, deletes the task on mobile application	but still present on the web application.		
	User creates a new task on web application, presses sync on mobile application, deletes the task on mobile application	The task is created on both the applications.		
57	presses sync on the mobile application	deleted on both the applications.	Pass	Medium
	User creates a new task on web application, presses sync on mobile application, deletes the task on mobile application	The task is created on both the applications.		
58	and restarts the mobile	deleted on both the applications.	Fail	Medium

	application			
	User	The task is		
	creates a	created on		
	new task	both the		
	on web	applications.		
	application,	The task is		
	presses	deleted on the		
	sync on	web		
	mobile	application,		
	application,	but still		
	deletes the	present on the		
	task on web	mobile		
59	application	application.	Pass	Medium
	User			
	creates a			
	new task			
	on web			
	application,			
	presses			
	sync on			
	mobile			
	application,	The task is		
	deletes the	created on		
	task on web	both the		
	application	applications.		
	presses	The task is		
	sync on the	deleted on		
60	mobile	both the	D	YY: 1
60	application	applications.	Pass	High
	User	The task is		
	creates a	created on		
	new task	both the		
	on web	applications. The task is		
	application,			
	presses	deleted on both the		
61	sync on		Dage	Ligh
61	mobile	applications.	Pass	High

		application,			
		deletes the			
		task on web			
		application			
		presses			
		sync on the			
		mobile			
		application			
		User			
		creates a	The task is		
		new task	created and		
		on mobile	deleted on the		
		application	mobile		
		and deletes	application.		
		the task on	No changes on		
		mobile	the web		
62		application	application	Pass	Medium
		User			
		creates a	The task is		
		new task	created and		
		on web	deleted on the		
		application	web		
		and deletes	application.		
		the task on	No changes on		
		web	the mobile		
63		application	application	Pass	Medium
		When			
		existing			
		task is			
		presenton			
		both the			
		synced	The task is		
		databases,	deleted on the		
		a task is	web		
		deleted on	application		
		the web	and edited		
		application	task shows up		
	Task editing deleted	and edited	on the mobile		
64	- Sync	on the	application	Pass	Medium

	mobile			
	application			
	When			
	existing			
	task is			
	presenton			
	both the			
	synced			
	databases,	The task is		
	a task is	deleted on the		
	deleted on	mobile		
	the mobile	application		
	application	and edited		
	and edited	task shows up		
	on the web	on the web		
65	application	application	Pass	Medium
	When			
	existing			
	task is	34 1 1		
	present on	Mobile		
	both the	application shows the		
	synced databases,	edited task.		
	a task is	Web		
	deleted on	application		
	the web	recovers the		
	application	deleted task		
	and edited	and notifies		
	on the	the user		
	mobile	saying that the		
	application	deleted task		
	and sync is	on the web		
	pressed on	application		
	the mobile	has been		
66	application	restored	Fail	Low

	When			
	existing			
	task is	Web		
	presenton	application		
	both the	shows the		
	synced	edited task.		
	databases,	Mobile		
	a task is	application		
	deleted on	recovers the		
	the mobile	deleted task		
	application	and notifies		
	and edited	the user		
	on the web	saying that the		
	application	deleted task		
	and sync is	on the mobile		
	pressed on	application		
	the mobile	has been		
67	application	restored	Fail	Low
	When			
	existing			
	task is			
	presenton			
	both the			
	synced			
	databases,			
	a task is	The task is		
	deleted on	deleted on		
	both the	both the		
	mobile and	mobile and		
	web	web		
68	application	applications.	Pass	High
	When			
	existing			
	task is	The task is		
	presenton	deleted on		
	both the	both the		
	synced	mobile and		
	databases,	web		
69	a task is	applications.	Pass	Medium

		deleted on			
		both the			
		mobile and			
		web			
		application			
		and sync is			
		pressed on			
		the mobile			
		application			
		When			
		existing			
		task is			
		presenton	Edit the		
		both the	version(web)		
		synced	present on the		
		databases,	web		
		edit a task	application		
		on web	and edit the		
		application	version		
		and edit a	(mobile)		
		task on	present on the		
	Task editing edited	mobile	mobile		
70	tasks -Sync	application	application	Pass	Medium
-		When			
		existing			
		task is			
		presenton			
		both the			
		synced			
		databases,			
		edit a task			
		on web			
		application			
		and edit a			
		task on	Edited version		
		mobile	(mobile) is		
		application	present on		
		(latest	both the		
71		timestamp)	applications	Pass	Medium

	and press			
	sync on the			
	mobile			
	When			
	existing			
	task is			
	presenton			
	both the			
	synced			
	databases,			
	edit a task			
	on mobile			
	application			
	and edit a			
	task on web			
	application			
	(latest	Edited version		
	timestamp)	(web) is		
	and press	present on		
	sync on the	both the		
72	mobile	applications	Pass	Medium
	When			
	existing			
	task is			
	presenton			
	both the			
	synced	Edit the		
	databases,	version(web)		
	edit a task	present on the		
	on mobile	web		
	application	application		
	and edit a	and edit the		
	task on web	version		
	application	(mobile)		
	at the same	present on the		
	time (same	mobile		
73	timestamp)	application	Fail	Low

		When			
		existing			
		task is			
		present on			
		both the			
		synced			
		databases,			
		edit a task			
		on mobile			
		application	Edited version		
		and edit a	(web) is		
		task on web	present on		
			both the		
		application at the same			
			applications. In case of		
		time (same			
		timestamp)	same		
		and presses	timestamp,		
		sync on the mobile	web version takes		
7.4				Fail	Lave
74		application	precedence	Fail	Low
			User created		
		Carata	on the mobile		
		Create a	application		
		user on the	alone and not		
7.5		mobile	on the web	D	11. 1
75	User creation - Sync	application	application	Pass	High
			User created		
			on the web		
		Create a	application		
		user on the	alone and not		
7 .		web	on the mobile		*** 1
76		application	application	Pass	High
		Create a			
		user on the			
		mobile			
		application			
		and press	User created		
_		sync on the	on both the	_	
77		mobile	applications	Pass	High

		application			
		Create a			
		user on the			
		web			
		application			
		and press			
		sync on the	User created		
		web	on both the		
78		application	applications	Pass	High
		Create a			
		user on the			
		mobile			
		application			
		and restart	User created		
		the mobile	on both the		
79		application	applications	Pass	Medium
		Create a			
		user on the			
		web			
		application			
		and restart	User created		
		the mobile	on both the		
80		application	applications	Pass	Medium
		When user			
		is in sync			
		on both the			
		apps, delete			
		user on	User deleted		
		mobile	on mobile		
81	User deletion - Sync	application	application	Pass	Medium
		When user			
		is in sync			
		on both the			
		apps, delete			
		user on	User deleted		
		web	on the web		
82		application	application	Pass	Medium

I				User is able to		
			The user	hide a task		
			checks off a	and make it		
			task for	visible again		
		Task Hide/Show	hide and	by clicking		
	83	from Web App	show.	show	Pass	Medium