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

			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	E.		
		the	saying	Error:		
		application with	incorrect	"Incorrect		
			password/	credentials,		
12		incorrect credentials	username accordingly	please try again"	Pass	Medium
12		creuentiais	User account	agaiii	F 455	Medium
			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

1	1	1	1	I	I.	1
			username			
			accordingly			
			11			
			User account			
			should be			
		D 1	deleted			
		Deleting a	including the			
		user	user specific			
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				
		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				
		priority	Task should	Error: "Task		
		and due	not be created	name already		
20		date	and displayed	exists"	Pass	Medium
			Task should			
			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			
0.0		User edits a	pre-edited		_	2.5
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			
22		pending	pending task		E. T	T .
23		task	list		Fail	Low

24	Task Delete - Android	User tries to delete a task	The task is deleted and should be removed from all, pending and completed 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,	Ta ala ala ala 13		
		priority	Task should		
27	Tools Crootion Wal-	and due	be created and	Dogs	Modium
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			
20		the task	date and		D	N/ 1:
28		name	displayed		Pass	Medium
		User tries				
		to add a				
		new task	m 1 1 11			
		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		Fail	Low
			The edited			
		User edits a	parameters			
32	Task Edit - Web	task	should be		Pass	Medium

			reflected		
			overriding the		
			pre-edited		
			version		
			The task		
			should be		
		77 1	removed from		
		User edits a	the completed		
		completed	task list and		
		task to	sent to the		
0.0		pending	pending task	D	3.6 1:
33		task	list	Pass	Medium
			The task is		
			deleted and		
			should be removed from		
		User tries			
		to delete a	all, pending		
34	Task Delete - Web	task	and completed task lists	Pass	Medium
34	Task Delete - Web	task	All the marked	1 055	Medium
			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	Fail	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	Fail	Medium
		User	The task is		
37		creates a	added only to	Fail	Medium

	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	Fail	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	Fail	Low
	User			
	creates a			
	new task in	The task is		
	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.	Fail	Medium

41	Task Edit - Sync	User creates a new task on mobile application, presses sync on mobile, edits the task on the web application	The task is added to both the mobile and the web application. The edited task is seen only on the web application. The mobile shows the stale version.	Fail	Medium
11	Table Date Sylle	User	56416 761 51011.	1 411	1.1Calaiii
		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.	Fail	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	Fail	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.	Fail	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.	Fail	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.	Fail	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.	Fail	Medium
	User	The task is		
	creates a	added to both		
	new task	the mobile		
	on web	and the web		
	application,	application.		
	presses	The edited		
	sync on	task is	,	
48	mobile,	updated on	Fail	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.	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	web		
		mobile	application,		
		application,	but still		
		deletes it	present on the		
		on the web	mobile		
50	Task Deletion - Sync	application	application.	Fail	Medium
		User	The task is		
		creates a	created on		
		new task	both the		
		on mobile	applications.		
51		application,	The task is	Fail	Medium

	presses sync on mobile applicati deletes it on the w applicati and pres sync on t mobile applicati	eb on ses che		
52	User creates a new task on mobil applicati presses sync on mobile applicati deletes it on the w applicati and restarts t mobile applicati	on, The task is created on both the applications. The task is deleted on both the	Fail	Medium
	User creates a new task on mobil applicati presses sync on mobile applicati deletes if on mobil	The task is created on both the e applications. On, The task is deleted on the mobile application on, but still present on the web		Medium
53	applicati	on application	Fail	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.	Fail	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.	Fail	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	Fail	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 presses sync on the mobile	The task is created on both the applications. The task is deleted on both the		
57	application User creates a new task on web application, presses sync on mobile application, deletes the task on mobile application and restarts the	The task is created on both the applications. The task is deleted on both the	Fail	Medium
58	mobile	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.	Fail	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		
	mobile	both the		
60	application	applications.	Fail	High
	User	The task is		
	creates a	created on		
	new task	both the		
	on web	applications.		
	application,	The task is		
	presses	deleted on		
	sync on	both the		
61	mobile	applications.	Fail	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	Fail	Medium
		User	арриония		
		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	Fail	Medium
		When			
		existing			
		task is			
		present on			
		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	Fail	Medium

	mobile application			
	FF			
	When			
	existing			
	task is			
	present on			
	both the			
	synced	The collin		
	databases, a task is	The 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	Fail	Medium
	When			
	existing			
	task is			
	present on	Mobile		
	both the	application		
	synced	shows the		
	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 deleted task		
	application and sync is	on the web		
	pressed on	application		
	the mobile	has been		
66	application	restored	Fail	Low

	When				
	existing				
	task is	Web			
	present on	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				
	present on				
	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.		Fail	High
	When				
	existing				
	task is	The task is			
	present on	deleted on			
	both the	both the			
	synced	mobile and			
	databases,	web			
69	a task is	applications.	1	Fail	Medium

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

	and press			
	sync on the			
	mobile			
	When			
	existing			
	task is			
	present on			
	both the			
	synced			
	databases,			
	edit a task			
	on mobile			
	application			
	and edit a			
	task on web			
	application	Elia l		
	(latest	Edited version		
	timestamp)	(web) is		
	and press	present on		
72	sync on the	both the	Eail	Madium
72	mobile When	applications	Fail	Medium
	existing task is			
	present on 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

i					,
		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		
		application	both the		
		at the same	applications.		
		time (same	In case of		
		timestamp)	same		
		and presses	timestamp,		
		sync on the	web version		
		mobile	takes		
74		application	precedence	Fail	Low
			User created		
			on the mobile		
		Create a	application		
		user on the	alone and not		
		mobile	on the web		
75	User creation - Sync	application	application	Fail	High
			User created		
			on the web		
		Create a	application		
		user on the	alone and not		
		web	on the mobile		
76		application	application	Fail	High
		Create a			
		user on the			
		mobile			
		application			
		and press	User created		
		sync on the	on both the		
77		mobile	applications	Fail	High

		application				
		Create a				
		user on the				
		web				
		application				
		and press sync on the	User created			
		web	on both the			
78		application	applications		Fail	High
70		Create a	applications		ran	Iligii
		user on the				
		mobile				
		application				
		and restart	User created			
		the mobile	on both the			
79		application	applications		Fail	Medium
		Create a				
		user on the				
		web				
		application				
		and restart	User created			
		the mobile	on both the			
80		application	applications		Fail	Medium
		When user				
		is in sync				
		on both the				
		apps, delete				
		user on	User deleted			
		mobile	on mobile		_	_
81	User deletion - Sync	application	application		Fail	Medium
		When user				
		is in sync				
		on both the				
		apps, delete	Hoon deleted			
		user on	User deleted			
82		web	on the web		Fail	Medium
82		application	application		rall	Mediuiii
I	I	1	1	I	I	ı

			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