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. No	Category	Test Case	Expected Result	Actual Result	Pass/ Fail	Severity
		Creating a				
		new valid	New user is			
1	User Creation - Android	user	created			
			Error should be			
		Creating a	reported and			
		new user	new user is not			
		with same	created. Should			
		name as an	prompt the user			
		existing	to use a different			
2		user	username			
			100 users should			
		Creating	be created			
		100 distinct	without any			
3		usernames	issues			
			Appropriate			
		Creating	error message to			
		user with	be displayed			
		empty	saying invalid			
		username	username or			
		and	password			
4		password	accordingly			

		Logging in the application with correct	User should be logged in and user-specific task list needs to		
5		credentials	be displayed		
			User should not		
			be logged in and		
		Logging in	error should be		
		the	reported saying		
		application	incorrect		
		with	password/		
		incorrect	username		
6		credentials	accordingly		
		Creating a			
		new valid	New user is		
7	User Creation - Web	user	created		
			Error should be		
		Creating a	reported and		
		new user	new user is not		
		with same	created. Should		
		name as an	prompt the user		
		existing	to use a different		
8		user	username		
			100 users should		
		Creating	be created		
		100 distinct	without any		
9		usernames	issues		
			Appropriate		
		Creating	error message to		
		user with	be displayed		
		empty	saying invalid		
		username	username or		
		and	password		
10		password	accordingly		
		Logging in	User should be		
		the	logged in and		
		application	user-specific		
		with correct	task list needs to		
11		credentials	be displayed		

			User should not		
			be logged in and		
		Logging in	error should be		
		the	reported saying		
		application	incorrect		
		with	password/		
		incorrect	username		
12		credentials	accordingly		
			User account		
			should be		
			deleted		
		Deleting a	including the		
		user	user specific task		
13	User Deletion - Android	account	lists.		
			User should not		
			be logged in and		
		Trying to	error should be		
		Login with	reported saying		
		the deleted	incorrect		
		user	username		
14		credentials	accordingly		
			User account		
			should be		
		_	deleted		
		Deleting a	including the		
		user	user specific task		
15	User Deletion - Web	account	lists.		
			User should not		
			be logged in and		
		Trying to	error should be		
		Login with	reported saying		
		the deleted	incorrect		
4.6		user	username		
16		credentials	accordingly		
		User tries to			
		add a task	m 1 1 111		
		using the	Task should be		
4 =	m 10 4 1	task name,	created and		
17	Task Creation - Android	priority and	displayed		

		due date			
18		User tries to add a task only by using the task name	Task should be created with default priority, due date and displayed		
19		User tries to add a new task with the same task name, priority and due date	Task should not be created and should report an error saying duplicate task		
20		User tries to add a new task with the same task name but different priority and due date	Task should be created and displayed		
21	Task Check-off - Android	User checks off a task	Task should be removed from the pending task list and sent to the completed list. However the task should be still present on the all task list The edited parameters should be reflected overriding the		
22	Task Edit - Android	User edits a task	pre-edited version		

23		User edits a completed task to pending task	The task should be removed from the completed task list and sent to the pending task list		
24	Task Delete - Android	User tries to delete a task	The task is deleted and should be removed from the all, pending and completed task lists All the marked tasks should be deleted and should be		
		User tries to mark a list	removed from the all, pending		
		of tasks and	and completed		
25		delete them	tasklists		
			The task should		
			be saved with		
			default priority		
		User	and due date in		
		edits/add a	case of new task		
		task. Fills in	and with the		
		the	existing		
		taskname	parameters		
		and in the	along with the		
		process,	edited portions in cases of an		
26	Task Auto-save - Android	presses the back button			
20	1 ask Auto-Save - Allui Olu	User tries to	existing task		
		add a task			
		using the	Task should be		
		task name,	created and		
27	Task Creation - Web	priority and	displayed		

		due date			
		User tries to	Task should be		
		add a task	created with		
		only by	default priority,		
		using the	due date and		
28		task name	displayed		
		User tries to			
		add a new			
		task with	Task should not		
		the same	be created and		
		task name,	should report an		
		priority and	error saying		
29		due date	duplicate task		
		User tries to			
		add a new			
		task with			
		the same			
		task name	To also also seld le a		
		but different	Task should be		
30		priority and due date	created and		
30		due date	displayed Task should be		
			removed from		
			the pending task		
			list and sent to		
			the completed		
			list. However the		
			task should be		
		User checks	still present on		
31	Task Checkoff - Web	off a task	the all task list		
			The edited		
			parameters		
			should be		
			reflected		
			overriding the		
		User edits a	preedited		
32	Task Edit - Web	task	version		

33		User edits a completed task to pending task	The task should be removed from the completed task list and sent to the pending task list		
34	Task Delete - Web	User tries to delete a task	The task is deleted and should be removed from the all, pending and completed tasklists		
35		User tries to mark a list of tasks and delete them	All the marked tasks should be deleted and should be removed from the all, pending and completed tasklists		
36	Task Creation - Sync	User creates a new task in the mobile application and presses the sync button on mobile application	The task is added to both the mobile and the web application		
37		User creates a new task in the mobile application and opens the web	The task is added only to the mobile application. The task is not added on the 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 and		
		mobile	the web		
38		application	application		
		User creates			
		a new task			
		in the web	The task is		
		application	added to both		
		and restarts	the mobile and		
		the	the web		
39		application	application		
		User creates			
		a new task	ml . l .		
		in the web	The task is		
		application	added only to		
		and the mobile	web application. The task is not		
			added on the		
		application is alread	mobile		
40		started	application.		
10		Started	The task is		
		User creates	added to both		
		a new task	the mobile and		
		on mobile	the web		
		application,	application. The		
		presses sync	edited task is		
		on mobile,	seen only on the		
		edits the	web application.		
		task on the	The mobile		
		web	shows the stale		
41	Task Edit - Sync	application	version.		

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task on the				
web				
application				
and presses	updated on both			
sync on the	the mobile and			
mobile	web			
application	applications.			
User creates				
a new task				
on mobile				
application,				
presses sync				
on mobile,	The task is			
edits the	added to both			
task on the	the mobile and			
web	the web			
application	application. The			
and restarts	edited task is			
the	updated on both			
application	the mobile and			
on the	web			
mobile	applications.			
User creates	The task is			
a new task	added to both			
on web	the mobile and			
application,	the web			
presses sync	application. The			
on mobile,	edited task is			
edits the	seen only on the			
task on	mobile			
mobile	application. The			
application	web application			
	application and presses sync on the mobile application User creates a new task on mobile application, presses sync on mobile, edits the task on the web application and restarts the application on the mobile User creates a new task on web application, presses sync on mobile, edits the task on the mobile	a new task on mobile application, presses sync on mobile, edits the task on the web application and presses a new task on mobile application, presses sync on mobile, edits the task on the mobile and the web application and restarts the updated on both the mobile and the web application and restarts the updated on both the mobile and the web application and restarts the updated on both the mobile and on the web application. The edited task is updated on both the mobile and on the mobile applications. User creates a new task on the the mobile and web application. The edited task is updated to both the mobile and the web application. The task is added to both the mobile and application, presses sync on mobile, edited task is seen only on the task on mobile application. The object on the mobile application. The application. The edited task is seen only on the task on mobile application. The application. The application. The mobile application. The application.	a new task on mobile application, presses sync on mobile, edits the task on the web application and presses sync on the mobile application, presses sync on mobile, edits the task on the mobile application and restarts the updated on both application application. The and restarts the updated on both application on the mobile applications. User creates a new task on the task on the task on the the mobile and the web application application. The and restarts the updated on both application the mobile applications. User creates a new task on web the mobile and on the web application. User creates a new task on web the mobile and the web application. User creates a new task on web the mobile and the web application. User creates a new task seen only on the task on mobile application. The edited task is seen only on the task on mobile application. The	a new task on mobile application, presses sync on mobile, edits the task on the web application and presses a new task on mobile, edits the task on the web application. The application, presses sync on mobile, edits the task on the task on the web application and restarts the updated on both application and restarts the updated on both application. The and restarts the mobile and on the web application the mobile and on the web application, presses sync on mobile, edits the task is the updated on both application the mobile and on the web application, on the web application, presses sync on mobile, edited task is an ew task on web application, presses sync on mobile, edited task is seen only on the task on mobile application. The application. The edited task is seen only on the task on mobile application. The application.

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

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

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

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

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	5			
	С			
mobile				
application	created on both			
presses syn	the applications.			
on the	The task is			
mobile	deleted on both			
application	the applications.			
User create	5			
a new task				
on web				
application,				
presses syn	С			
on mobile				
application,				
deletes the				
task on	The task is			
mobile	created on both			
application	the applications.			
and restarts	The task is			
the mobile	deleted on both			
application	the applications.			
User create	3			
a new task	The task is			
on web	created on both			
application,	the applications.			
presses syn	c The task is			
on mobile	deleted on the			
application,	web application,			
deletes the				
	a new task on web application, presses synton mobile application, deletes the task on mobile application presses synton the mobile application User creates a new task on web application, deletes the task on mobile application, deletes the task on mobile application, deletes the task on mobile application and restarts the mobile application User creates a new task on web application User creates a new task on web application, presses synton mobile application, presses synton mobile application, deletes the application, deletes the	on web application, presses sync on mobile application, deletes the task on mobile application presses sync on the mobile application on the application the applications. User creates a new task on web application, presses sync on mobile application, deletes the task on mobile application, deletes the task on mobile application, deletes the task on mobile application and restarts the mobile application User creates a new task on web application and restarts the mobile application The task is created on both the applications. The task is deleted on both the applications. The task is on web application, presses sync on mobile application, deletes the task on web on the mobile	a new task on web application, presses sync on mobile application deletes the task on mobile application on the mobile application, presses sync on mobile application, deletes the task on mobile application, deletes the task on mobile application and restarts the mobile application and restarts the mobile application, presses sync on mobile application, and restarts the mobile application, presses sync on mobile application, deletes the task on web application, presses sync on mobile application, deletes the task on web application, presses sync on mobile application, deletes the task on web application, but still present on the mobile	a new task on web application, presses sync on mobile application presses sync on the mobile application presses sync on the mobile application the application presses sync on mobile application, presses sync on mobile application and restarts the mobile application user creates a new task on web application and restarts the mobile application the application user creates a new task on web application, presses sync on mobile application, presses sync on mobile application, deletes the task on web application, deletes the task on web task on

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	User creat	
	a new task	K
	on web	
	application	
	presses sy	
	on mobile	
	application	
	deletes the	e
	task on we	eb The task is
	application	n created on both
	presses sy	nc the applications.
	on the	The task is
	mobile	deleted on both
60	application	n the applications.
	User creat	tes
	a new task	K
	on web	
	application	n,
	presses sy	vnc
	on mobile	
	application	n,
	deletes the	e
	task on we	eb The task is
	application	n created on both
	presses sy	vnc the applications.
	on the	The task is
	mobile	deleted on both
61	application	n the applications.
	User creat	tes
	a new task	K The task is
	on mobile	created and
	application	n deleted on the
	and delete	
	the task or	n application. No
	mobile	changes on the
62	application	
	- F F	1.1

		User creates			
		a new task	The task is		
		on web	created and		
		application	deleted on the		
		and deletes	web application.		
		the task on	No changes on		
		web	the mobile		
63		application	application		
03		When	аррисации		
		existing task			
		is present on both the			
		synced			
		databases, a			
		task is			
		deleted on	The task is		
		the web	deleted on the		
		application			
		and edited	web application and edited task		
		on the			
	Took aditing deleted	mobile	shows up on the mobile		
64	Task editing deleted -				
04	Sync	application When	application		
		existing task			
		is present on both the			
		synced			
		databases, a	The toolein		
		task is	The task is		
		deleted on	deleted on the		
		the mobile	mobile		
		application	application and		
		and edited	edited task		
		on the web	shows up on the		
65		application	web application		

	When	
	existing ta	sk
	is present	
	on both th	e
	synced	
	databases	a Mobile
	task is	application
	deleted on	
	the web	task. Web
	application	n application
	and edited	
	on the	deleted task and
	mobile	notifies the user
	application	n saying that the
	and presse	
	sync on th	e the web
	mobile	application has
66	application	n been restored
	When	
	existing ta	sk
	is present	
	on both th	e
	synced	
	databases	a Web application
	task is	shows the edited
	deleted on	task. Mobile
	the mobile	application
	application	
	and edited	
	on the wel	
	application	
	and presse	
	sync on th	
	mobile	application has
67	application	
	When	The task is
	existing ta	
	is present	the mobile and
68	on both th	e web

		synced databases, a task is deleted on both the mobile and web application	applications.		
		When existing task is present on both the synced databases, a task is deleted on both the mobile and web application and presses	The task is deleted on both		
		sync on the mobile	the mobile and web		
69		application	applications.		
	Task editing edited tasks	When existing task is present on both the synced databases, edit a task on web application and edit a task on mobile	Edited version(web) present on the web application and edited version (mobile) present on the mobile		
70	-Sync	application	application		

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	When				
	existing task				
	is present				
	on both the				
	synced				
	databases,				
	edit a task				
	on web				
	application				
	and edit a				
	task on				
	mobile				
	application				
	(latest				
	timestamp)	Edited version			
	and press	(mobile) is			
	sync on the	present on both			
71	mobile	the applications			
	When				
	existing task				
	is present				
	on both the				
	synced				
	databases,				
	edit a task				
	on mobile				
	application				
	and edit a				
	task on web				
	application				
	(latest				
	timestamp)	Edited version			
	and press	(web) is present			
	sync on the	on both the			
72	mobile	applications			
12	шовпе	applications			

		When			
		existing task			
		is present			
		on both the			
		synced			
		databases,	F 1:. 1		
		edit a task	Edited		
		on mobile	version(web)		
		application	present on the		
		and edit a	web application		
		task on web	and edited		
		application	version (mobile)		
		at the same	present on the		
		time (same	mobile		
73		timestamp)	application		
		When			
		existing task			
		is present			
		on both the			
		synced			
		databases,			
		edit a task			
		on mobile			
		application			
		and edit a			
		task on web			
		application	Edited version		
		at the same	(web) is present		
		time (same	on both the		
		timestamp)	applications.		
		and presses	Incase of same		
		sync on the	timestamp, web		
		mobile	version takes		
74		application	precedence		
			User created on		
		Create a	the mobile		
		user on the	application		
		mobile	alone and not on		
75	User creation - Sync	application	the web		

		application	
		User created on	
		the web	
	Create a	application	
	user on the	alone and not on	
	web	the mobile	
76	application	application	
	Create a		ļ
	user on the		ļ
	mobile		ļ
	application		
	and press		
	sync on the	User created on	ļ
	mobile	both the	
77	application	applications	
	Create a		
	user on the		
	web		
	application		
	and press		ļ
	sync on the	User created on	
70	web	both the	ļ
78	application	applications	
	Create a		
	user on the mobile		
	application		
	and restart	User created on	
	the mobile	both the	
79	application	applications	
	Create a	appau	
	user on the		
	web		
	application		
	and restart	User created on	
	the mobile	both the	
80	application	applications	

		When user			
		database is			
		on sync on			
		both the			
		applications,			
		delete a			
		user on			
		mobile			
81	User deletion - Sync	application	User deleted on		
		When user			
		database is			
		on sync on			
		both the			
		applications,			
		delete a			
		user on web			
82		application			