Faculty of Computers and Information





CS352 – Software Engineering II Phase 3-b: Testing Report 2015

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Phase 3- Testing Report of Team FCI-CS352-CS_2

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1. Backend Testing

1.1CustomPrivacyTest class

Number	Testing function	Description	Result
1.1.1	canSeeUserPost(Testing	Passed
	Post	function for	
	result,Entity	canSeeUser	
	entity, String	Post	
	onWall,String	function in	
	currentUser)	CustomPriv	
		acy to see if	
		current	
		user can	
		see user	
		post	
		Assumption	
		entity: is	
		custom	
1.1.2	canSeeFriendPo	Testing	Failed
	st(Post	function for	
	result,Entity	canSeeFrie	
	entity, String	ndPost	
	onWall,String	function in	



	currentUser)	CustomPriv acy to see if current user can see Friend post Assumption entity: is
1.1.3	canSeePagePost (Post result,Entity entity, String onWall,String currentUser)	Testing function for canSeePage Post function in CustomPriv acy to see if current
		user can see Page post Assumption entity: is custom
1.1.4	canSeeSharedPo st(Post	Testing function for



	<u></u>		
	result,Entity	canSeeShar	
	entity, String	edPost	
	onWall,String	function in	
	currentUser)	CustomPriv	
		acy to see if	
		current	
		user can	
		see Shared	
		post	
		Assumption	
		entity: is	
		custom	
1.1.5	isInCustom(bool	Testing	
	ean result,	function for	
	String postID,	isInCustom	
	String	function in	
	userName)	CustomPriv	
		acy to see if	
		userName	
		in specific	
		post ID is	
		allowed to	
		see custom	



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1.2 NotificationTest class

Number	Testing function	Description	Result
1.2.1	getNotification(Testing	Passed
	String	function for	
	result,String ID)	getNotificat	
		ion	
		function in	
		Notification	
		to get	
		Notification	
		ID that	
		points to it	

1.3 GroupMessageTest class

Number	Testing function	Description	Result
1.3.1	getGroupMsg(E	Testing	Passed
	ntity result,	function for	
	String ID)	getGroupM	
		sg function	
		in	



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		GroupMess	
		age to get	
		group msg	
		entity with	
		ID	
1.3.2	getNewID()	Testing	
		function for	
		getNewID	
		function in	
		GroupMess	
		age to get	
		new ID	

1.4 GroupMsgMemberTest class

Number	Testing function	Description	Result
1.4.1	getAllGroupNam	Testing	Passed
	es()	function for	
		getAllGrou	
		pNames	
		function in	
		GroupMsg	
		Member to	
		get all	



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		group	
		•	
		names	
1.4.2	getAllMembers(Testing	
	Set <string></string>	function for	
	Result ,String	getAllMem	
	GroupName)	bersfunctio	
		n in	
		GroupMsg	
		Member to	
		get all	
		member in	
		specific	
		group	

1.5 HashtagTest class

Number	Testing function	Description	Result
1.5.1	saveHashtag()	Testing	Passed
		function for	
		saveHashta	
		g function	
		in Hashtag	
		to save	
		Hashtag	
		Entity in	
		the	



		datastore	
1.5.2	getAllHashtags()	Testing	Passed
		function for	
		getAllHasht	
		ags	
		function in	
		Hashtag to	
		get all	
		hashtags	
		existing in	
		the	
		datastore	
1.5.3	getHashtagPosts	Testing	Passed
	(String	function for	
	hashtagName,	getHashtag	
	String uname)	Posts	
		function in	
		Hashtag to	
		get all	
		posts	
		belonging	
		to	
		hashtagNa	
		me that	
		user with	
		username	



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	"uname"	
	has access	
	to see.	

1.6 Hashtag Comparator Test class

Number	Testing function	Description	Result
1.6.1	compare(Hashta	Testing	Passed
	g x, Hashtag y)	function for	
		compare	
		function in	
		HashtagCo	
		mparator	
		that	
		implements	
		java class	
		Comparato	
		r to	
		customize	
		the	
		comparison	
		between	
		two	
		hashtags	
		and make it	



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	according	
	to each	
	hashtag's	
	posts count	

1.7LikeTest class

Number	Testing function	Description	Result
1.7.1	attach(Notificati	Testing	Passed
	onObserver	function for	
	observer)	attach	
		function in	
		Like that	
		adds a new	
		notification	
		observer to	
		the list of	
		like	
		observers	
		in the Like	
		class	
1.7.2	notifyAllObserv	Testing	Passed
	ers()	Function	
		for	



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notifyAllOb	
servers in	
Like to	
iterate over	
the list of	
Notification	
observers	
in the Like	
class and	
update	

1.8FriendRequestTest class

Number	Testing function	Description	Result
1.8.1	attach(Notificati	Testing	Passed
	onObserver	function for	
	observer)	attach	
		function in	
		FriendRequ	
		est that	
		adds a new	
		notification	
		observer to	
		the list of	
		friendRequ	



		est	
		observers	
		in the	
		FriendRequ	
		est class	
1.8.2	notifyAllObserv	Testing	Passed
	ers()	Function	
		for	
		notifyAllOb	
		servers in	
		FriendRequ	
		est to	
		iterate over	
		the list of	
		Notification	
		observers	
		in the	
		FriendRequ	
		est class	
		and update	
1.8.3	sendFriendRequ	Testing	Passed
	est()	function for	
		sendFriend	
		Request in	
		FriendRequ	
		est to save	



	<u> </u>	<u> </u>	
		a friend	
		request	
		entity in	
		the	
		datastore	
		after	
		checking	
		that	
		receiver is a	
		valid user	
		and both	
		users are	
		not already	
		friends.	
		After	
		saving, it	
		notifies all	
		observers	
		to send	
		notification	
104	and the state of t	S.	Decead
1.8.4	acceptFriendReq	Testing	Passed
	uest()	function for	
		acceptFrien	
		dRequest in	
		FriendRequ	



,
est to
getting a
friend
request
entity from
the
datastore,
changing its
"pending"
attribute to
zero and
putting it
back. And
then, saves
a new
Friend
entity in
the
datastore
meaning
that both
users are
now friends
and then it
notifies all
observers.



getFriendReque	Testing	Passed
_	_	1 43364
st(string ib)		
	_	
	-	
	_	
	-	
	-	
	by ID	
isFriends(String	Testing	Passed
user1 , String	Function	
user2)	for	
	isFriends in	
	FriendRequ	
	est to check	
	if those 2	
	users are	
	friends by	
	=	
	over the	
	Friends	
		st(String ID) Function for getFriendR equest in FriendRequ est to get a friend request entity from that datastore by ID isFriends(String user1 , String user2) Testing Function for isFriends in FriendRequ est to check if those 2 users are friends by iterating over the



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the	
datastore	

1.9PersonalMessageTest class

Number	Testing function	Description	Result
1.9.1	sendMessage()	Testing	Passed
		function for	
		sendMessa	
		ge function	
		in	
		PersonalM	
		essage that	
		calls	
		function	
		saveMessa	
		ge and then	
		notifyObser	
		vers to	



		send a notification	
1.9.2	saveMessage()	Testing Function for saveMessa ge in PersonalM essage to save new message entity in table personalMs g in the datastore.	Passed
1.9.3	getNewID()	Testing function for getNewID in PersonalM essage to load all the "personalM sg" table	Passed



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		from the datastore in a list and return list's size + 1	
1.9.4	getPersonalMsg(Testing	Passed
	String id)	Function	
		for	
		getPersonal	
		Msg in	
		PersonalM	
		essage to	
		get a	
		personal	
		message	
		entity from	
		that	
		datastore	
		by ID	

1.10 PublicPrivacyTest class

Number	Testing function	Description	Result
1.10.1	canSeeUserPost(Testing	Passed



	Post	function for	
	result,Entity	canSeeUser	
	entity, String	Post	
	onWall,String	function in	
	currentUser)	PublicPriva	
		cy to see if	
		current	
		user can	
		see user	
		post	
		Assumption	
		entity: is	
		public	
1.10.2	canSeeFriendPo	Testing	Failed
	st(Post	function for	
	result,Entity	canSeeFrie	
	entity, String	ndPost	
	onWall,String	function in	
	currentUser)	PublicPriva	
		cy to see if	
		current	
		user can	
		see Friend	
		post	
		•	
		entity: is	
		Assumption	



		public
1.10.3	canSeePagePost (Post result,Entity entity, String onWall,String currentUser)	Testing function for canSeePage Post function in PublicPriva cy to see if current user can see Page post Assumption entity: is public
1.10.4	canSeeSharedPo st(Post result,Entity entity, String onWall,String currentUser)	Testing function for canSeeShar edPost function in PublicPriva cy to see if current user can see Shared



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	post	
	Assumption	
	entity: is	
	public	

1.11 PrivatePrivacyTest class

Number	Testing function	Description	Result
1.11.1	canSeeUserPost(Testing	Passed
	Post	function for	
	result,Entity	canSeeUser	
	entity, String	Post	
	onWall,String	function in	
	currentUser)	PrivatePriv	
		acy to see if	
		current	
		user can	
		see user	
		post	
		Assumption	
		entity: is	
		Private	
1.11.2	canSeeFriendPo	Testing	Failed
	st(Post	function for	



	result,Entity entity, String onWall,String currentUser)	canSeeFrie ndPost function in PrivatePriv acy to see if current user can see Friend post Assumption entity: is Private
1.11.3	canSeePagePost (Post result,Entity entity, String onWall,String currentUser)	Testing function for canSeePage Post function in PrivatePriv acy to see if current user can see Page post Assumption entity: is



		Private	
1.11.4	canSeeSharedPo	Testing	
	st(Post	function for	
	result,Entity	canSeeShar	
	entity, String	edPost	
	onWall,String	function in	
	currentUser)	PrivatePriv	
		acy to see if	
		current	
		user can	
		see Shared	
		post	
		Assumption	
		entity: is	
		Private	
1.11.5	handlingShared	Testing	
	Post(boolean	function for	
	result ,String	handlingSh	
	owner,String	aredPost	
	onWall, String	function in	
	currentUser,	PrivatePriv	
	String type)	acy to see if	
		current	
		user can	
		see original	



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noct	
DOST	
Post	

1.12 PrivacyTest class

Number	Testing function	Description	Result
1.12.1	OriginalSharedP	Testing	Passed
	ostPrivacy(boole	function for	
	an result ,String	OriginalSha	
	ID , String	redPostPriv	
	currentUser)	асу	
		function in	
		Private to	
		see if	
		current	
		user can	
		see original	
		post	

1.13 PostTest class

Number Testing function	Description	Result
-------------------------	-------------	--------



4.42.4			
1.13.1	getAllPostsForU	Testing	Passed
	ser(String	function for	
	currentUser)	getAllPostF	
		orUser	
		function to	
		see if	
		current	
		user can	
		get all his	
		posts	
1.13.2	getPostsForTime	Testing	Passed
	Line(String	function for	
	onWall, String	getPostsFor	
	currentUser)	TimeLine	
		function to	
		see if	
		current	
		user can	
		see all	
		posts on his	
		timeline	



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1.13.3	getPostbyID(Stri ng postID)	Testing function for getPostByI D function to see if post got is the same	
		the same	
		with the ID	
		given	

1.14 UserPostTest class

Number	Testing function	Description	Result
1.14.1	getPost(Entity	Testing	Passed
	entity)	function for	
		getPost	
		function to	
		get the	
		post saved	
		in the	
		datastore	
		by the	
		entity	



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1.14.2	savePost()	Testing function for	passed
		savePost	
		function to	
		save User	
		Post in the	
		datastore	

1.15 FriendPostTest class

Number	Testing function	Description	Result
1.15.1	getPost(Entity	Testing	Passed
	entity)	function for	
		getPost	
		function to	
		get the	
		post saved	
		in the	
		datastore	
		by the	
		entity	



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1.15.2	savePost()	Testing	passed
		function for	
		savePost	
		function to	
		save Friend	
		Post in the	
		datastore	

1.16 PagePostTest class

Number	Testing function	Description	Result
1.16.1	getPost(Entity	Testing	Passed
	entity)	function for	
		getPost	
		function to	
		get the	
		post saved	
		in the	
		datastore	
		by the	
		entity	



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1.16.2	savePost()	Testing function for savePost function to save Page Post in the datastore	passed

1.17 SharePostTest class

Number	Testing function	Description	Result
1.17.1	getPost(Entity	Testing	Passed
	entity)	function for	
		getPost	
		function to	
		get the	
		post saved	
		in the	
		datastore	
		by the	
		entity	



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1.17.2	savePost()	Testing function for savePost function to save shared Post in the datastore	passed

1.18 UserEntityTest class

Number	Testing function	Description	Result
1.18.1	getUser(String name, String pass)	Testing function for getUser function to form User Entity class contains user data from datastore	Passed



1.18.2	isUser(String name)	Testing function for isUser function to check if the user is in the datastore	passed
1.18.3	saveUser()	Testing function for saveUser function to save user object in datastore	Passed
1.18.4	getAllUsers()	Testing function for saveUser function to get all the users in datastore	Passed



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1.19 MessageReceiverTest class

Number	Testing function	Description	Result
1.19.1	readPersonalMe	Testing	Passed
	ssage(String ID)	function for	
		readPerson	
		alMessage	
		function to	
		get the	
		personal	
		message by	
		ID	
1.19.2	readGroupMess	Testing	Passed
	age(String ID)	function for	
		readGroup	
		readGroup Message	
		•	
		Message	
		Message function to	
		Message function to get group	



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1.20 ReadPersonalMessageCommandTest class

Number	Testing function	Description	Result
1.20.1	execute(String	Testing	Passed
	ID)	function for	
		execute	
		function to	
		return	
		personal	
		message by	
		ID	



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1.21 ReadGroupMessageCommandTest class

Number	Testing function	Description	Result
1.21.1	execute(String	Testing	Passed
	ID)	function for	
		execute	
		function to	
		return	
		group	
		message by	
		ID	

1.22 PageTest class

Number Testing function Description	Result
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1.22.1	checkPageEisten ce(String pageName)	Testing function to check if a page exists in the datastore or not given the page Name	Passed
1.22.2	isOwner(boolea n result, String owner, String pageNae)	Testing function to check if ta certain user is the owner of a specific page or not.	Passed



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1.22.3	getPageOwner (String owner, String IDss)	Testing function to get the owner of a specific page.	Passed
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1.23 LikePageTest class

Number	Testing function	Description	Result
1.23.1	isLikePage(boole an reslt, String ID, String UserName)	Testing function to check if a page is liked by a user or not	Passed



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1.24 SeenPagePostTest class

Number	Testing function	Description	Result
1.24.1	getNumberOfSe en(int counter, String ID)	Testing function to get number of seens for a post on a page	Passed



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2. Frontend testing

2.1 HashtagServicesTest class

Number	Testing function	Description	Result
2.1.1	getTrendsService()	Testing function	Passed
		for	
		getTrendsServic	
		e function in	
		HashtagServices	
		that returns the	
		top 10 hashtags	
		in a JSON array	
		Assumption:	
		Total number of	
		hashtags is less	
		than 10	
2.1.2	getHashtagPostsService(Testing function	Passed
	@FormParam("hashtag	for	
	Name") String	getHashtagPost	
	hashtagName,	sService	



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@FormParam("uname")	function in	
String uname)	HashtagServices	
	that returns a	
	JSON array	
	containing all	
	posts belonging	
	to a specific	
	hashtag	

2.2 Notification Services Test class

Number	Testing function	Description	Result
2.2.1	addFriendService()	Testing function	Passed
		for	
		addFriendServic	
		e function in	
		NotificationServ	
		ices that returns	
		a JSON object	
		containing the	
		success status	
		of this	
		operation	



		Assumption: user is sending a friend request to himself Expected Result: "Status":"yours elf"	
2.2.2	getAllNotificationsServic e(@FormParam("uname ") String uname)	Testing function for getAllNotificationsService function in NotificationServices that returns a JSON array containing all notifications belonging to a specific user Assumption: User has got a friend request that he has already	Passed



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	accepted	
	Expected Result: That request won't appear in the notifications page	

2.3 NotificationInvokerTest class

Number	Testing function	Description	Result
2.3.1	handleNotif icationServi ce(String result, String ID, String type)	Testing function for handleNotificati onService function in NotificationInv oker that returns the action of the command in a JSON array	Passed



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2.4 PostsServicesTest class

Number	Testing function	Description	Result
2.4.4		To aking a firm aking	Danad
2.4.1	CreateUser	Testing function	Passed
	PostService	for	
	(String	CreateUserPost	
	owner,	Service function	
	String	in	
	content,	PostsServices	
	String	that returns	
	onWall,	UserPost in a	
	String	JSON object	
	privacy,		
	String		
	feeling,		
	String		
	customUser		
	s)		
2.4.2	CreateFrien	Testing function	Passed
	dPostServic	for	
	e(String	CreateFriendPo	
	owner,	stService	
	· ·	function in	
	String		
	content,	PostsServices	
	String	that returns	
	onWall,	FriendPost in a	



	String privacy, String customUser s)	JSON object Assumption: Current user is not his/her friend	
		Expected Result: status"You are not friends"	
2.4.3	CreatePage PostService (String owner, String content, String onWall, String privacy, String customUser s)	Testing function for CreatePagePost Service function in PostsServices that returns PagePost in a JSON object Assumption: Current user is not the owner of the page Expected	Passed



2.4.5 GetPostsFor Testing function Passed	2.4.4	CreateShar ePostServic e(String originalPost ID, String owner, String content, String onWall, String privacy, String customUser s)	Result: status"You are not the owner of this page" Testing function for CreateSharePos tService function in PostsServices that returns SharePost in a JSON object Assumption: The post is shared on a non-friend's timeline Expected Result: status"you are not friends"	Passed
TimeLineSe for	2.4.5		Testing function	Passed



	rvice(String onWall, String currentUser)	GetPostsForTim eLineService function in PostsServices that returns posts of a timeline in a	
		JSON array Assumption: Timeline is not found Expected	
		Result: "There is no such TimeLine"	
2.4.6	GetNewsFe ed(String currentUser)	Testing function for GetNewsFeed function in PostsServices that returns all possible posts in a JSON array to the current	Passed



		user	
2.4.7	LikePost(Str	Testing function	Passed
	ing	for LikePost	
	currentUser	function in	
	, String ID)	PostsServices	
		that returns	
		post in a JSON	
		object	
		Assumption:	
		post is already	
		liked by	
		currentUser	
		Expected	
		Result: "you've	
		already liked	
		this post"	



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2.5 PageServiceTest class

Number	Testing function	Description	Result
Number 2.5.1	Testing function CreatePageService Test()	Description Testing function for creating a new page that returns a JSON object containing the success status of this operation Assumption: user is creating a page with a non existign name Result: "Status":"Page	Result Passed
		created successfully"	
2.5.2	LikePage Test()	Testing function for Liking a page that returns a JSON object	Passed



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containing the success status of this operation	
Assumption: user is liking a	
page w Result:	
"Status":"Page liked	
successfully"	

2.6 UserServicesTest class

Number	Testing function	Description	Result
2.6.1	registration Service (Username, Password, Email)	Testing function for Create new user that returns UserPost in a JSON object Ex: "Registration success" if a new user is registering	Passed



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2.4.2	loginServiceT est(String username, String Password)	Testing function for loging in a user to the home page void	Passed
		Assumption: Current user approved result-> directed to home page	

Github

https://github.com/heba-khazbak/FCI-CS352-CS 2



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Ownership report

ID	Name	Testing Functions numbers
20120516	Heba Khazbak	1.1.1, 1.1.2, 1.1.3, 1.1.4, 1.1.5,
		1.2.1, 1.3.1,1.3.2 , 1.4.1 ,1.4.2,
		1.10.1 ,1.10.2 ,1.10.3 ,1.10.4 ,
		1.11.1 ,1.11.2,1.11.3 ,1.11.4,
		1.11.5, 1.12.1 , 2.3.1
20120191	Sarah Hany	1.22.1 , 1.22.2 , 1.22.3
		1.23.1 , 1.23.2 , 1.24.1
		2.5.1, 2.5.2, 2.6.1, 2.6.2
20120166	Dalia Maher	1.13.1, 1.13.2, 1.13.3, 1.14.1, 1.14.2,
		1.16.1, 1.16.2, 1.17.1, 1.17.2, 1.18.1,
		1.18.2, 1.18.3, 1.18.4, 1.19.1, 1.19.2,
		1.20.1, 1.21.1, 2.4.1, 2.4.2, 2.4.3,
		2.4.4, 2.4.5, 2.4.6, 2.4.7
20120185	Ziad Mohamed	1.5.1, 1.5.2, 1.5.3, 1.6.1, 1.7.1, 1.7.2,
		1.8.1, 1.8.2, 1.8.3, 1.8.4, 1.8.5, 1.8.6,
		1.9.1, 1.9.2, 1.9.3, 1.9.4, 2.1.1, 2.1.2,
		2.2.1, 2.2.2