GGDB Function Lists

Meaning	Back End Function	Description	Front End Function
workflow	create_workflow()	Function creates a workflow	workflow create -n<workflow.name> -i<info>
workflow	drop_workflow	Function deletes workflow and all of its associated nodes and links	workflow delete -n<workflow.name>
workflow	get_workflows	Function returns all workflow information in database.	workflow list
workflow	add_node	Function adds nodes to a workflow	node add -wf<workflow> -sn<node.shortname> -t<type> -n<node.name>
workflow	link_from_start	Function links node to starting node for that workflow	link start -wf<workflow> -to<tonode> -g<>
workflow	link_between	Function links node to other nodes	link between -wf<workflow> -from<fromnode>-to<tonode> -g<>
workflow	link_to_finish	Function links node to ending node for that workflow	link finish -wf<workflow> -from<fromnode> -g<>
workflow	get_children	Function returns information on children of given node.	link children -wf<workflow> -sn<shortname>
workflow	get_node_by_id	Function returns node information when given id of the node	NONE
workflow	get_nodes	Function returns node information for a workflow	node list -wf<workflow>
workflow	find_loose_nodes	Function returns node information for nodes without links	node loose -wf<workflow>
workflow/document	get_gossip_status	show state of the gossip with respect to workflow	gossip getstatus -gid "1"
workflow/document	change_gossip_status	move gossip from one workflow node stage to another workflow node stage	gossip changestatus -gid "1" -n "pub" -ac "false"
document	add_reporter	adds the reporter	reporter add -id <username>-f <first_name> -l<last_name> -c <commission>
document	update_reporter	make changes to reporter	reporter update -id <username> -f <first_name> -l <last_name>-c <commission>
document	add_celebrity	adds the celebrity	celebrity add -f<first_name> -l<last_name> -n<nick_name> -b<bday>
document	update_celebrity	update celebrity information	celebrity update -f<first_name> -l<last_name> -n<nick_name> -b<bday>
document	create_gossip	reporter posts the gossip about a celebrity	'gossip create -wf <workflow> -sn <nodeshortname> -r <reporterusername> -c<celebritynickname> -t <title> -b <body>
document	add_reporter_to_gossip	include additional reporter to the gossip	gossip add -gid <gossip.id> -r <reporter.username
document	add_celebrity_to_gossip	include additional celebrity to the gossip	gossip add -gid <gossip.id> -c <celebrity.nick_name>
document	add_tag_to_gossip	include additional tags to the gossip	gossip add -gid <gossip.id> -t <tag.name>
document	update_gossip	make updates to current gossip	gossip update -gid<gossip.id> -t <version.title> -b <version.body> -ac <gossip.is_active>
document	get_reporter_by_comm	Get list of reporters based off of commission	reporter get -id <username> -c<commission>
document	get_reporter_by_lname	Get list of reporters based off of last name	reporter get -id <username> -l<lastname>
document	get_reporter_by_fname	Get list of reporters based off of first name	reporter get -id <username> -f<firstname>
document	get_reporter_by_id	Get list of reporters based off of username	reporter get -id <username>
document	delete_gossip	delete gossip	gossip del -gid <gossip.id>
document	get_gossip_by_id	gets all versions of gossip	gossip list -gid <gossip.id>
document	get_gossip_by_reporter	gets latest version of gossip that a reporter wrote with -ac parameter indicating acive or inactive gossip	gossip listby -r <reporter.username> -ac <gossip.is_active>
document	get_gossip_by_celebrity	gets latest version gossip about a celebrity with -ac parameter indicating acive or inactive gossip	gossip listby -c <celebrity.nick_name> -ac <gossip.is_active>
document	get_gossip_by_tag	gets latest version of gossip by tag with -ac parameter indicating acive or inactive gossip	gossip listby -t <tag.name> -ac <gossip.is_active>
document	get_gossip_by_bundle	gets latest version gossip connected to a bundle with -ac parameter indicating acive or inactive gossip	gossip listby -b <bundle.name> -ac <gossip.is_active>

GGDB Function Lists

document	get_reporter	gets list of reporters based off of criteria, such as commission	reporter get -f <firstname>; reporter get -l <lastname>; reporter get -c <commission>
document	get_celebrity	gets list of celebrity based off of criteria, such as birthdate	celebrity get -f <firstname>; celebrity get -l <lastname>; celebrity get -b <birthdate>
document	get_reporter_by_id	get specific reporter information based off of id	reporter get -id <username>
document	get_celebrity_by_id	get specific celebrity information based off of id	celebrity get -id <nickname>
document	search_reporter	use best match search to find reporter	reporter bestmatch -f<firstname>
document	search_gossip	use best match search to find gossip	gossip bestmatch -k<keyword>
tagging	create_tag	creates a new tag	tag create -b <bundle> -n <tag name>
tagging	update_tag	update tag information	tag update -n <current tag name> -nb <new bundle name> -nt <new tag name>
tagging	delete_tag	delete the tag	tag remove -n <tag name>
tagging	create_bundle	creates a new bundle	bundle create -n <bundle name>
tagging	update_bundle	update bundle	bundle update -n <current bundle name> -nb <new bundle name>
tagging	delete_bundle	delete the bundle	bundle remove -n <bundle name>
utility	update_revision_history	show last updates to the system	NONE
utility	get_revision_history	show last updates to the system after time	history get -t <time>

GossipGuy Project Data Dictionary

Updated On: 6/7/13

<Workflow>

Data Member Name	Type	Additional Type Information	Definition	Defult Value	Mandatory?	Unique?
<id>	SERIAL	PRIMARY KEY		N/A	Yes	Yes
<name>	VARCHAR(64)	not case sensitive, periods and spaces allowed.	name of workflow	N/A	Yes	Yes
<info>	TEXT		description of workflow	N/A	No	No

<Node>

Data Member Name	Type	Additional Type Information	Definition	Defult Value	Mandatory?	Unique?
<id>	SERIAL	PRIMARY KEY		N/A	Yes	Yes
<workflow_id>	INT	FOREIGN KEY		N/A	Yes	Yes
<shortname>	VARCHAR(3)	Unique to workflow	short name of node, unique to workflow	N/A	Yes	Yes
<name>	VARCHAR(64)	not case sensitive, periods and spaces allowed.	descriptive long name for node	N/A	Yes	No
<nodetype>	TEXT	A, F, J, S, E	type of node (Activity, Fork, Join, Start, End)	N/A	No	No

<LINK>

Data Member Name	Type	Additional Type Information	Definition	Defult Value	Mandatory?	Unique?
<fromnode_id>	INT	PRIMARY KEY, FOREIGN KEY	preceeding node	N/A	Yes	Yes
<tonode_id>	INT	PRIMARY KEY, FOREIGN KEY	succeeding node	N/A	Yes	Yes
<guardlabel>	VARCHAR(64)		description of link	N/A	Yes	No

<GOSSIP_NODE>

Data Member Name	Type	Additional Type Information	Definition	Defult Value	Mandatory?	Unique?
<gossip_id>	INT	PRIMARY KEY, FOREIGN KEY		N/A	Yes	Yes
<node_id>	INT	PRIMARY KEY, FOREIGN KEY		N/A	Yes	No
<start_time>	timestamp		time when gossip reached that phase, represented by node in workflow	N/A	Yes	No

<GOSSIP>

Data Member Name	Type	Additional Type Information	Definition	Defult Value	Mandatory?	Unique?
<id>	SERIAL	PRIMARY KEY		N/A	Yes	Yes
<publish_date>	timestamp		date that gossip is published and viewableto public	N/A	Yes	No
<is_active	boolean		boolean controlling when gossip is viewable to public	TRUE	Yes	No

<VERSION>						
Data Member Name	Type	Additional Type Information	Definition	Defult Value	Mandatory?	Unique?
<id>	SERIAL	PRIMARY KEY, FOREIGN KEY		N/A	Yes	Yes
<title>	varchar(128)		title of gossip	N/A	Yes	No
<body>	text		body of gossip	N/A	Yes	No
<creation_time>	timestamp		date that version is created	N/A	Yes	No
<is_current>	timestamp		boolean indicating whether this is the current version of the gossip	N/A	Yes	No

<REPORTER>						
Data Member Name	Type	Additional Type Information	Definition	Defult Value	Mandatory?	Unique?
<id>	SERIAL	PRIMARY KEY		N/A	Yes	Yes
<username>	VARCHAR(64)	not case sensitive, periods and spaces allowed.	reporter username	N/A	Yes	Yes
<first_name>	VARCHAR(64)	not case sensitive, periods and spaces allowed.	first name of reprorter	N/A	Yes	No
<last_name>	VARCHAR(64)	not case sensitive, periods and spaces allowed.	last name of reporter	N/A	Yes	No
<commission>	money		commission reporter receives	N/A	Yes	No

<REPORTER_GOSSIP>						
Data Member Name	Type	Additional Type Information	Definition	Defult Value	Mandatory?	Unique?
<reporter_id>	INT	PRIMARY KEY, FOREIGN KEY		N/A	Yes	Yes
<gossip_id>	INT	PRIMARY KEY, FOREIGN KEY		N/A	Yes	Yes

<CELEBRITY>						
Data Member Name	Type	Additional Type Information	Definition	Defult Value	Mandatory?	Unique?
<id>	SERIAL	PRIMARY KEY		N/A	Yes	Yes
<nick_name>	VARCHAR(64)	not case sensitive, periods and spaces allowed.	name that public uses to refer to the celebrity, such as 'Madonna'	N/A	Yes	Yes
<first_name>	VARCHAR(32)	not case sensitive, periods and spaces allowed.	first name of celebrity	N/A	Yes	No
<last_name>	VARCHAR(32)	not case sensitive, periods and spaces allowed.	last name of celebrity	N/A	Yes	No
birth_date	date		birthday	N/A	Yes	No

<CELEBBRITY_GOSSIP>						
Data Member Name	Type	Additional Type Information	Definition	Defult Value	Mandatory?	Unique?
<celebrity_id>	INT	PRIMARY KEY, FOREIGN KEY		N/A	Yes	Yes
<gossip_id>	INT	PRIMARY KEY, FOREIGN KEY		N/A	Yes	Yes

<BUNDLE>						
Data Member Name	**Type**	**Additional Type Information**	**Definition**	**Defult Value**	**Mandatory?**	**Unique?**
<id>	SERIAL	PRIMARY KEY		N/A	Yes	Yes
<name>	VARCHAR(64)	not case sensitive, periods and spaces allowed.	name of bundle	N/A	Yes	No

<TAG>						
Data Member Name	**Type**	**Additional Type Information**	**Definition**	**Defult Value**	**Mandatory?**	**Unique?**
<id>	SERIAL	PRIMARY KEY		N/A	Yes	Yes
<bundle_id>	INT	FOREIGN KEY		N/A	Yes	No
<name>	VARCHAR(64)	not case sensitive, periods and spaces allowed.	name of tag	N/A	Yes	No

<GOSSIP_TAG>						
Data Member Name	**Type**	**Additional Type Information**	**Definition**	**Defult Value**	**Mandatory?**	**Unique?**
<gossip_id>	INT	FOREIGN KEY		N/A	Yes	No
<tag_id>	INT	FOREIGN KEY		N/A	Yes	No

<REVISION_HISTORY>						
Data Member Name	**Type**	**Additional Type Information**	**Definition**	**Defult Value**	**Mandatory?**	**Unique?**
<id>	SERIAL	PRIMARY KEY		N/A	Yes	Yes
<TIME>	TIMESTAMP		timestamp of change	N/A	Yes	No
<MESSAGE>	TEXT		text about the type of change	N/A	Yes	No