



The interface is basically the main interface where it calls functions from all the other interfaces, the `init_db()` is called to initialize the database through the flask command `flask initdb`, the `get_db()` function is called from all the other interfaces to get a connection to the central database, the `connect_db()` connects to the db which is called by the `get_db()` function, the `getTopicId()` takes a topic name as an argument and return that topic Id, it is used in multiple places in the interface.

The `close_db(error)` function takes an error as the argument if there is any and closes the database connection, the `subscribe(topic)` and `unsubscribe(topic)` function gets the necessary data and calls the right function from the subscription interface, the `register()` `login()` and `logout()` are calling the `loginInterface` passing in the needed data for them, `showtopic()` is the home page which calls multiple functions from the other interfaces and gets all the data it needs, pass it to the jinja template to use it show all the topics that the user should be seeing.

Add_topic() is the call to add a new topic to the db, add_post() adds a new post to the database, edit post() can be only called from the user who created the post and allows editing of the post in the database, show_posts() gets the topic from the url and shows all the posts associated with that topic, add_userGroup() calls the userGroupInterface and asks it to create a new group discussion, the user_groups(): calls in the userGroupInterface and gets the page where the user can add edit the group discussions, add_userToAGroup() and remove_userFromAGroup(), calls the userGroupInterface calling the necessary functions accordingly to add a new user to a group or to remove one. Finally security() question() and newPassword() are the functions used to reset your password and they call the passwordReset interface to do all the work passing in the needed things. Testing the flaskr.py is going to be directly connected to the data base because it does not have its own interface.