

TESTING FOR CLIENT – SERVER MODEL FOR FILE MANAGEMENT

Unit testing makes the code enduring since we always expect that our code could fail, or a bug will be produced. If we detect the bugs in the early stage of the development, then it would make the work of a developer a lot more easier testing helps us develop code and meet the quality standards.

Test for user register:

We perform unit testing for newly registered users. When we give the command register <username><password> it checks whether the user is already present in the memory or directory. If the user is already present then the output will be user already exists and if the user is new then the output will be user registered successfully.

Test for reading a file:

This is used to perform unit testing for reading a file i.e., get the file information resnet in the folder. If the name already exists in the directory error message saying that the file not present is printed.

Test for writing a file:

This test is used to check whether we can write into file with various arguments or not. This also checks whether we can change, delete, or write into file. the file will be changed or edited.

Test the create_folder:

This is used to perform unit testing for creating folder. I have taken two different scenarios where if I give a command to create_folder< file name > then if the file name is already in the directory then the message folder already created is printed. If the name is new then the folder is created.