

# TEST CASES DOCUMENT

## 1. Why these test cases are chosen?

We have chosen unit testing because it helps to find bugs or errors very early stage and they can be resolved in which there will be no impact on other parts of the code.

## 2. What these test cases will test?

These test cases will test the Register function, Login function, create folder function, Write file function, List function, Read file function, Change folder function and delete function.

## 3. How are they tested?

These can be tested as follows:

### **Testing Register Function:**

There are various cases to test in register function:

Case 1: Register is successful.

Case 2: Register is not successful as that username already exists.

Case 3: When the entered privilege is wrong in the command.

### **Testing Login Function:**

There are various cases to test in login function:

Case 1: Login is successful.

Case 2: Login is not successful as user is already logged in.

Case 3: Login is not successful as password given in the command is wrong.

Case 4: Login is not possible as username given in the command does not exist.

### **Testing Create Folder Function:**

There are various cases to test in Create folder function:

Case 1: Folder is created successfully.

Case 2: Permission denied creating the folder.

Case 3: Folder name is already present in that directory.

### **Testing Write file Function:**

There are various cases to test in write file function:

Case 1: Creating a file when file does not exist.

Case 2: Writing the content into the file.

Case 3: Should not write the content in file when permission is denied.

### **Testing List Function:**

There are various cases to test in list function:

Case 1: Prints the list of the files in current working directory. Case 2:

No files present in that directory.

### **Testing Read file Function:**

There are various cases to test in read file function:

Case 1: Prints the contents of the file. Case

2: When file does not exist.

Case 3: File name not given in the command. Case

4: File name given in the command is empty.

## **Testing Change folder Function:**

There are various cases to test in change folder function: Case 1:

Folder is changed.

Case 2: Folder cannot be changed due to permission issues.

Case 3: Folder is not found.

Case 4: Current working directory is moved back to previous when '..' are given in the command.

## **Testing Delete Function:**

There are various cases to test in delete function: Case 1:

User is deleted.

Case 2: Privileges are not given to delete other users.

Case 3: Username is not found.

Case 4: Password given in the command is wrong.

We have tested all the possible functionalities to our requirements. So we thought that these functionalities will reach all the tests and these test cases are sufficient for all the requirements.