

File System Project Report

Members :

Rajasi Rane (rrane)

Ankita Shetty (shettya)

I. Implementation

We have developed a simple in-memory file system for Xinu where we have defined our versions of the various file operations such as create, open, close, read, write and seek. These functions work similar to the actual Xinu file system operations.

- fs_create
This file operation creates a file named 'Test_File' . On successful creation of this file, it returns the file descriptor.
- fs_open
This file operation opens the file with the specified name and returns the allocated file descriptor to the caller.
- fs_close
This file operation closes the file. The return value is 'OK' if the file is closed successfully.
- fs_read
This operation reads nbytes from the file with the specified file descriptor into the buffer.
- fs_write
This operation writes nbytes to the file with the specified file descriptor from the buffer
- fs_seek
This operations allows the process to seek to a specified location in the file.

II. Lessons learnt.

Understood the detailed working of the various file operations of Xinu.

III. Team Contributions.

Both members worked together on this assignment.

IV. Output:

```
xsh $ fstest -f
```


[illegible]