

Marvellous Infosystems

Technical Projects of Logic Building batch

Customised Virtual File System :

Technology : C Programming

Description :

- This project provides all functionality to the user which is same as Linux File system.
- It provides necessary commands, system calls implementations of file system through customised shell.
- In this project we implement all necessary data structures of file system like Incore Inode Table, File Table, UAREA, User File Descriptor table.
- Using this project we can use every system level functionality of Linux operating system on any other operating system platform.
- We provide our own customised shell to interact with the customised database management system.

File Packer Unpacker with encryption :

Technology : Java Programming

Description :

- This project provides the facility of packing and unpacking the regular files.
- In case of packing activity all the data of multiple regular files gets stored in single file with all related metadata.
- In case of unpacking activity the data from the packed file gets extracted in the separate file with all necessary details.
- To maintain the security of the data we provide encryption and decryption techniques.
- We provide Graphical user interface to interact with the application.

Generalised Data Structures Library :

Technology : C++ Programming

Description :

- This project is considered as a library which contains generic implementations of all major types of data structure.
- We provide the readymade implementations of all fundamental operations as well as advanced operations on linear, non linear data structures in an object oriented way.
- We provide the generic way of implementation so we can use the functionality for any type of data types.
- All the object oriented design policies are used in this project.

Chat messenger with log facility : (Covered in PPA batch)

Technology : Java Programming

Description :

- This project provides the chatting facility for peer to peer communication.
- We use java socket programming to perform the text based chatting.
- We also maintain the log which contains all the chatting details with the periodic fashion.
- This application is platform & architecture independent.