Operating Systems Programming Project

Your Own Shell Application

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This project consists of designing a C program to serve as a shell interface that accepts user commands and then executes each command in a separate process. This project can be completed on any Linux, UNIX, or Mac OS X system. The features that you should have with this project are:

- The command prompt of this shell should be `medsh>`, which means Medipol shell.

- Whoever uses the shell can set a user like `medsh>setusr myname`. In other words, `setusr` will be a special command for this shell.

- Each user will have history of last 10 commands issued. The list of last 10 command can be selected by arrow keys on the keyboard.

- There should be a `.profile_medsh` file keep track of certain aliases and shortcuts.

- The users should be able to run commands a background process.

There is similar project given at the end of Chapter 3. You can read and follow the guidelines given there.