Name: Tirth Patel
Roll number: 202012092

Project Document

Goal of project:

The submitted project can be used in 2 ways

1. Like a slam book to remember the past memories.
2. To see the answer we had submitted to the question asked during registration on a website.

Requirements:

- For slam book, every classmate or friend has to write their answers to the questions beforehand which will be stored in a file.
- I have not created the program to input to the file so a file has to be pre-written.
- Details of a person are searched on the base of his/her student id.
- For login Q/A, a user must be logged in to the system otherwise he will not be able to see the answers.
- User will not be able to log in if he forgot both password and answer before logging in.

Assumptions:

- Dataset of text files is available beforehand or self written.
- Total number of questions and answers are known beforehand as we are using arrays.
- All the answers to the questions are in one word.
- Size of the dataset is limited as we are using arrays.
- Data in the file is for a relatively small number of people, like in hundreds.
- (For slam book only) User has already logged in and can see answers of others too.
- Two answers in the text file have a single space in between.

Topics covered in project:

- Shell scripting
- C programming
- Make file
- User defined library
- File I/O
- Process Management
- IPC Pipes
- IPC Signals