Team's Diary

Date 14/10/2014

Time:9:30am to 11:00am

Venue:Hostel H15-B room no.316

Present: Tejesh Siddarth Amit

Task performed: Discussed various topics for project such as

    1)Suduko autosolver

    2)Minesweeper

    3)Banking

    4)Contacts

    5)Electricity bill preparation

    6)Post JEE Branch Alottement

  Finalised the project topic as Banking

  Discussed about the features to be involved in the program

Planned the features to be   1)creating new account ,

2) modifying it ,

3) basic transactions,

4) interest calculations ,

5) deleting account

Date 15/10/2014

Time:8:30pm to 11:00pm

Venue:Old Software Lab

Present: Tejesh Siddarth Amit

Task performed:

Met the TA and discussed about the files to be submitted in the stage1 like SRS document and project report.

Then the three of us went through some of the previous years' SRS documents and discussed about how our SRS should look like. finally, we started our work on the SRS.

We made the flowchart in the lab including some cliparts from google images.

We also divided our basic work .

Date:18/10/2014

Time:3:30pm to 7:30pm

Venue:Hostel H15-B room no.316

Present: Tejesh Siddarth Amit

Task performed: Designed a layout of our program code

Our main job was to save the data so that we could use the same accounts for the next time we opened our program

Tejesh and Siddarth searched a lot of time to manage file system through c++.

We learned to manage files a bit from www.cplusplus.com under the library cstdio.h

We also browsed through some sample programs from internet which used saving data with the help of files

We made a rough idea of how to give instructions to the compiler to make our desired functions

Date:19/10/2014

Time :5:30pm to 9:00pm & 10:00pm to 11:30pm (5 hours)

Venue :Hostel H15-B room no.316

Present: Tejesh Siddarth Amit

Task : First of all we prepared the project report .Siddarth did major part of it.

Then we decided what functions should be included in our program. I decided the tasks to be performed by those functions.

We browsed through many previous years projects to get an idea which functions must be written.

 With this function implementation part of our SRS was completed.

 Then we prepared the Data specification required for our project.

Then we decided how the output of program might be.

This task of preparing SRS was given to me.

We also made some parts of code to wrote the SRS.

Date: 29/10/2014

Time: 9:00pm to 10:30pm

Venue: OSL

Task performed:

- We had some discussions on how to include graphics in our program,how the program should actually behave.
- We planned that buttons must be present to take users choice ,that is what functions the user want to perform.
- We decided the structures that must be included in our program.
- We decided our further timings to meet next time.

Date: 5/11/2014

Time: 8:15pm to 10:15pm

Venue: OSL

Task performed:

- Started making framework of our program.
- Tejesh and Siddharth made various structures required for maintaining accounts in our banking management system.
- We also referred to various functions to perform various file operations from Handout on our course homepage's link

http://www.cse.iitb.ac.in/~cs101/lecture-slides/handout_file_functions_CS101X.pdf

Date:19/11/2014

Time: 3:00pm to 5:30pm

Venue : H-15(B) Room no.-316

Present :   All team members

Task performed:

- Tejesh made the main portion of the code.
- Created a function for creating new account.
- Used the files in c++ for creating the accounts so that it remains saved even if we close the program.
- Managed the account numbers with the help of a count variable which takes the value of count by dividing the size of file by the size of each record. This feature would help to easily access the account later without searching for the required account number throughout the database.

Date: 20/11/2014

Time: 6:00pm to 8:30pm

Venue: Hostel H15-B ,room no.316

Present : Tejesh   Siddarth

Task performed:

- Created the function to delete an account. In delete account I simply used to change the balance and PIN of the account to 0.
- Created the function to view the details of an account.
- For making all these functions I took help of two functions each. One within the structure customer and other global to called from main().

Date:20/11/2014 – 21/11/2014

Time: 10:00pm to 12:30am

Venue : : H-15(B) Room no.-316

Present :   Siddharth and Tejesh

Task performed:

- Finally including the graphical part to the program using simple cpp.
- Learnt how to use simple cpp and how to assign functions to the buttons using the getClick function.
- Learnt about the features of simple cpp like using colors and writing text on the screen.
- We made the graphical screen having buttons to perform tasks.
- Also made the buttons to change color when clicked.

Date: 21/11/2014

Time: 02:00pm to 5:30am

Venue: Hostel H15-B ,room no.316

Present : Tejesh   Siddarth

Task performed:

- Attached the graphical buttons made by Siddharth at appropriate places.
- Attached required functions associated with the buttons in their code body.
- We planned to convert our complete program into the canvas mode i.e. to be displayed completely on the white screen. But we came to know that we can't take input from the keyboard once we are in the canvas screen of simplecpp. It doesn't even provide a textbox to input any value from keyboard.

- Hence we planned to display the output part on the canvas screen and to take the input from the console screen by opening and closing the canvas screen at appropriate places in the program.
- But again there was a problem we could not open back and draw anything on the canvas once we have closed it.
- Finally Tejesh got an idea that we will keep both the windows, one of console and other of canvas open together while execution of the program. To change any matter on the canvas screen we planned to cover it by a rectangle of the same size as that of the canvas so that we could draw other next items on it and take input appropriately.

Date: 21/11/2014

Time: 6:00pm to 8:30pm

Venue : : H-15(B) Room no.-316

Present :   Siddharth and Tejesh

Task performed:

- Completed the work of assigning all the functions to the buttons on canvas.
- Ran the code and found that it was good but was having some errors.
- Went through the whole code to find the errors and corrected them.

Date: 21/11/2014-22/11/2014

Time: 10:00pm to 1:30am

Venue: Hostel H15-B ,room no.316

Present : Tejesh   Siddarth

Task performed:

- We put the conditions so that the account balance don't get below 1000 while creating, modifying, debiting or transferring from an account
- We decided to add some more features to our program- We planned to add two more buttons that would appear after being logged in.
- The two buttons were one for taking a loan and another for applying for a fixed deposit.
- After this we ran our program several times to remove any small errors still remaining
- We showed our friends (doing other projects) and asked them to run the program by themselves. While doing this we came to know about various possibilities of getting input and the purpose to manage them.

Date:23/11/2014

Time: 6:30pm to 9:30pm

Venue : : H-15(B) Room no.-316

Present :   Siddharth and Tejesh

Task performed:

- Changed the appearance of our canvas screen.
- Added a new screen for the modify menu.
- Printed the message of new account being created and the account number on the canvas screen.
- Removed some more errors from the program.
- Changed the appearance of the buttons and the background by giving different colors to them for this we referred to the RGB color code from the link: http://www.rapidtables.com/web/color/RGB_Color.htm

Date: 23/11/2014

Time: 10:00pm to 11:30pm

Venue: Hostel H15-B ,room no.316

Present : Tejesh   Siddarth   Amit

Task performed:

- Started preparing the user's manual
- Decided the format in which the user's manual should appear.
- Ran the program several times to remove many errors that could appear during the run-time.

Date: 24/11/2014

Time: 2:00pm to 5:30pm,6:00pm to 9:00pm,9:30pm to 11:30pm

Venue: Hostel H15-B ,room no.316

Present : Tejesh   Siddharth   Amit

Task performed:

- Tejesh completed making the user's manual.
- Added yes or no option in the canvas for asking conformation in the functions of delete_account, loan_account and fixeddeposit_account.
- Prepared SRS by referring the complete program, its various functions, variables,etc.
- Referred to our previous SRS of stage 1 for making other parts such as introduction, etc.

- Project Report was made by Siddharth. Tejesh added some features of our program and some new references.
- Converted all docx files into pdf
- Prepared the team's diary with Siddharth.