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| **Hackathon Team Management** |
| Project |
|  |
| **Shivani** |
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Section 1: Analysis

(Describe how you plan to solve the problem including steps that you take in this project and how you divide the work in your group.

Prepare/add all related Software Analysis/Design documents)

First, we try to understand the requirement of project then distribute the work between group members.

We worked on making these pages user page registration page, admin page and log in page and database tables

So, we were asked to design a web application using PHP/MySQL and Python for the planning a Hackathon event. Hackathon is a one-day programming event which anyone can register for this event. After registration user can login and see the detail of the partner. One user can again register for a different event through this.

So, first I created a user register page in php&html, where user can register for the event. After that he gets a unique registration id, so he can login with that later and check his partner details. Admin user can login and update account and also make groups according group size. I used three database tables with foreign key relationship.

We discussed while doing our work wherever we had any issue and doubts. If someone is having trouble completing his or her area of responsibility, work with that person to figure out how to solve the problem. In the end, we put all the pieces together.

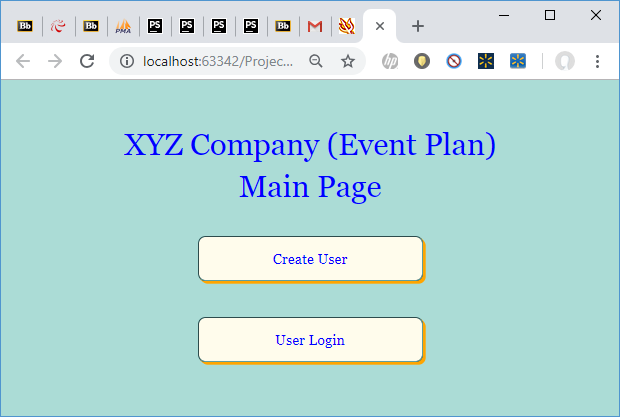
Section 2: Database Design

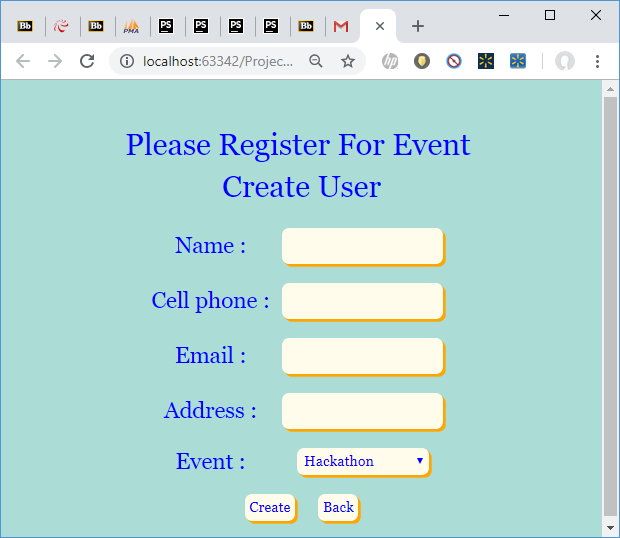
(Describe the major considerations in designing the Database. Add Database/Table structure/relations using standard diagrams/tools here)

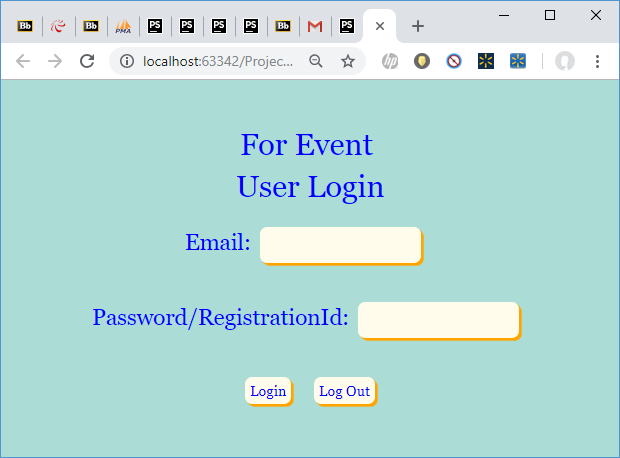
We have created three database tables. One table has data about events like eventId and eventName. Another table name employee, which has all details of employee with a foreign key eventId and groupId. Third table name groups have all information about groups like status, groupnumber and foreign key eventId. So, when admin makes groups, their all information updates in employee and groups table.

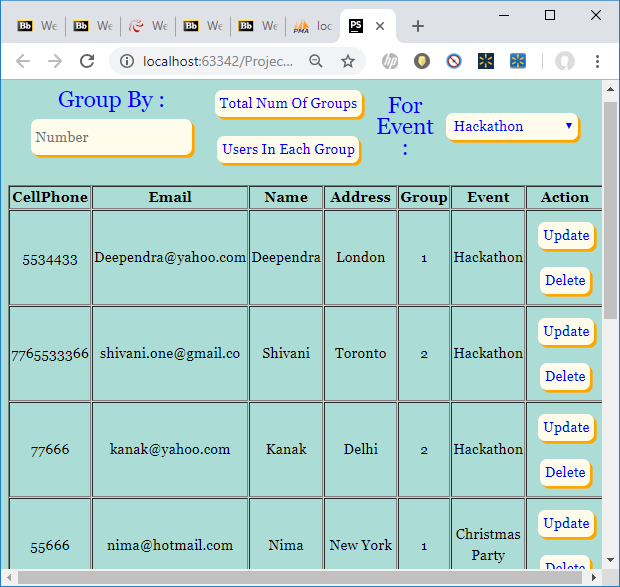
Section 3 : Design Webforms

(Show all the webforms and the layout of each webform. )









Section 4 : PHP codings

(Describe each PHP programs that you design including the file-name, the main functionalities of each PHP file – *Don’t copy/paste the whole coding here*, *just the simple explanation of main building block in each PHP file*)

Admin\_page.php: It is admin page where he can create and update group details. Check all information about users and update that.

This php program takes all data from employee table using select query and then insert employee name in array function, now loop over all user info table and give them each one group id from the list. Finally, it goes over all groups and see which ones have less users allocated then maximum and mark them.

Create\_user.php:It has all functionalities for registration users on website so it can be saved in database. So, when user updates data and click register, it takes all information and insert it into database with insert query. After it generates RegId which I created by using random class.

Inclue\_DB\_conncet.php:it has connection details of database.

Login.php: It has all functionalities for login users on site and check their group mate’s information. So, user can use his/her email id with RegId to log in on website to see his group detail.

Main\_page.html:It is the main page of site.

Section 5 : Python codings

(Describe each Python programs that you design including the file-name, the main functionalities of each Python file – *Don’t copy/paste the whole coding here*, *just the simple explanation of main building block in each Python file*)

Create dataFile.py: This program has all functionalities that it can open a text file and read all comma separated data and ask to make the group of people and when you give a size of group it creates the group.

group.txt: It has all information of data.

The second dataFile2.py import pandas library or package to work with excel file

Excel file groupInfo.txt has all data

Both programs work same. The only difference is syntax and functions.

For making random groups in each python program

I import random class in both

Then display their data in the form

fname: …

lname: ….

email: …..

cellphone: ….

Then make a list and display data of each person at each index.

After this I use a for loop incremented group, members of group and at last use remove method in list so that there will be no duplicate data.

Excel file has the same functionality the only difference is in syntax

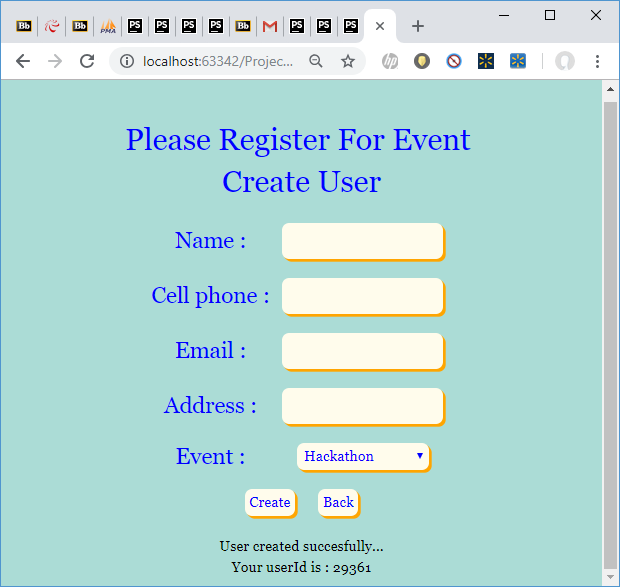
Datafile use open function and extension is txt whereas excel use pd.Excel File

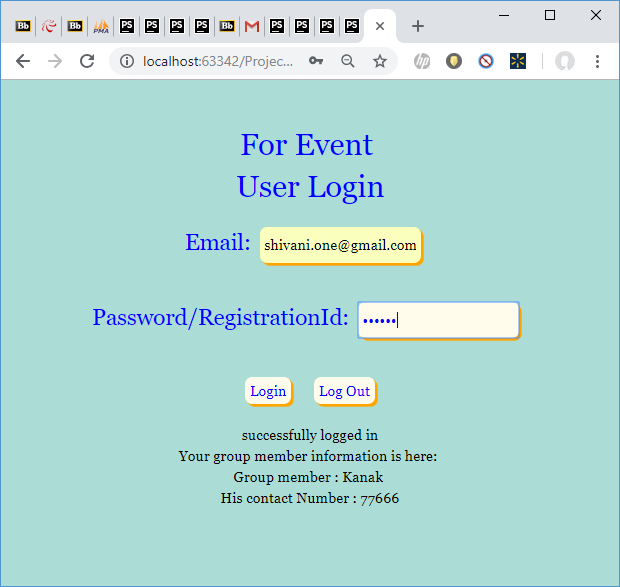
And extension is xlsx

Datafile.txt has read function to read file whereas dataFile2.xlsx has read\_excel to read file data.

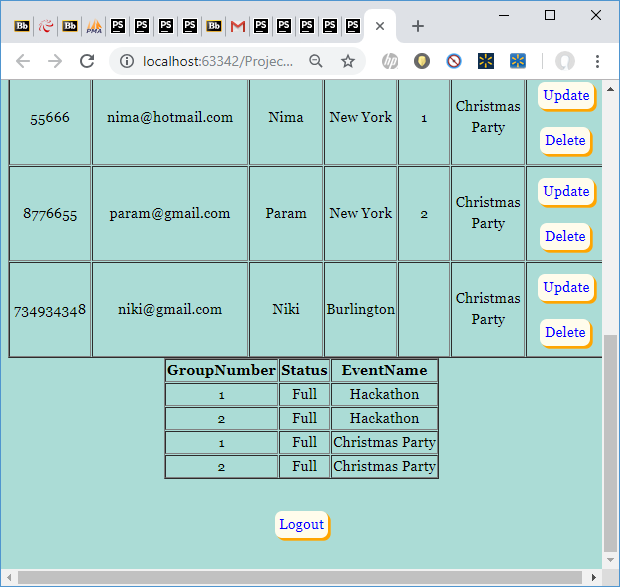
# Section 6: Program execution/output

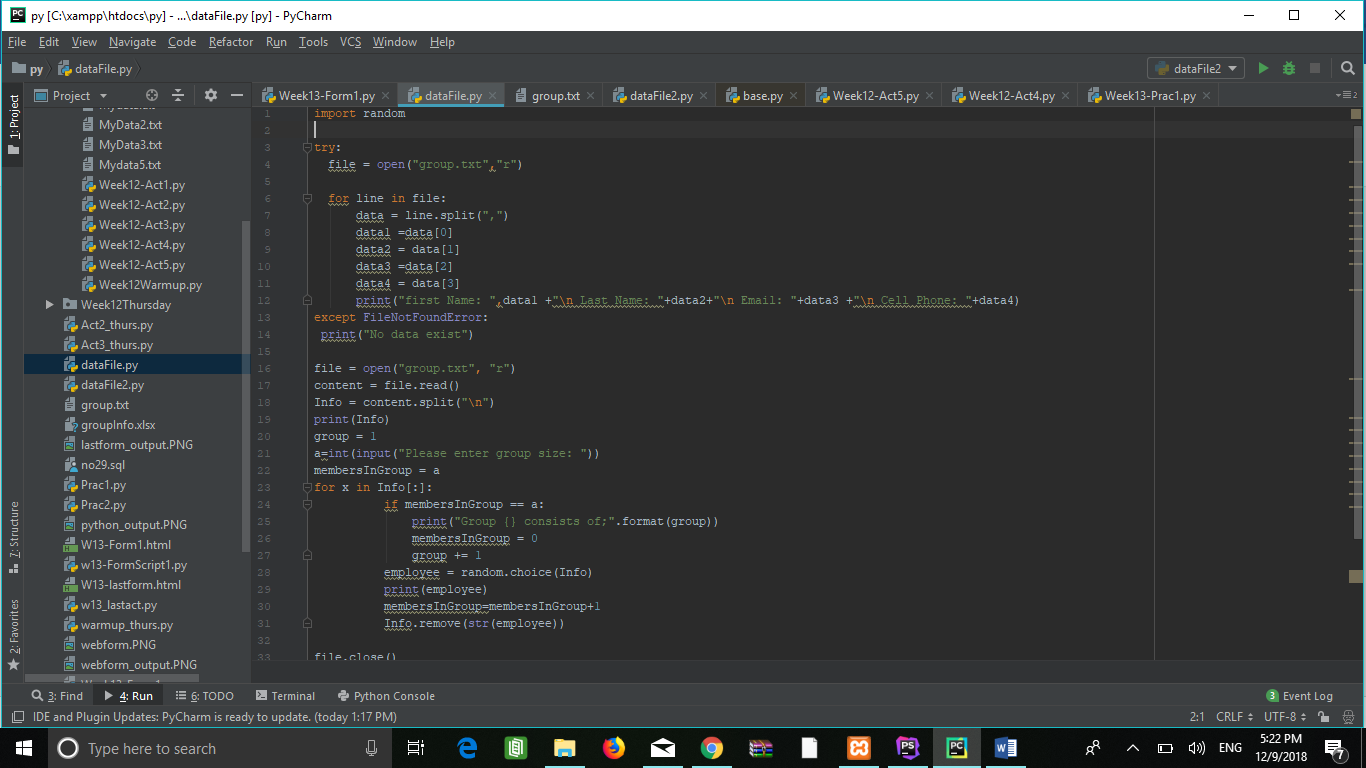
(Show how program works -- add some screenshots)

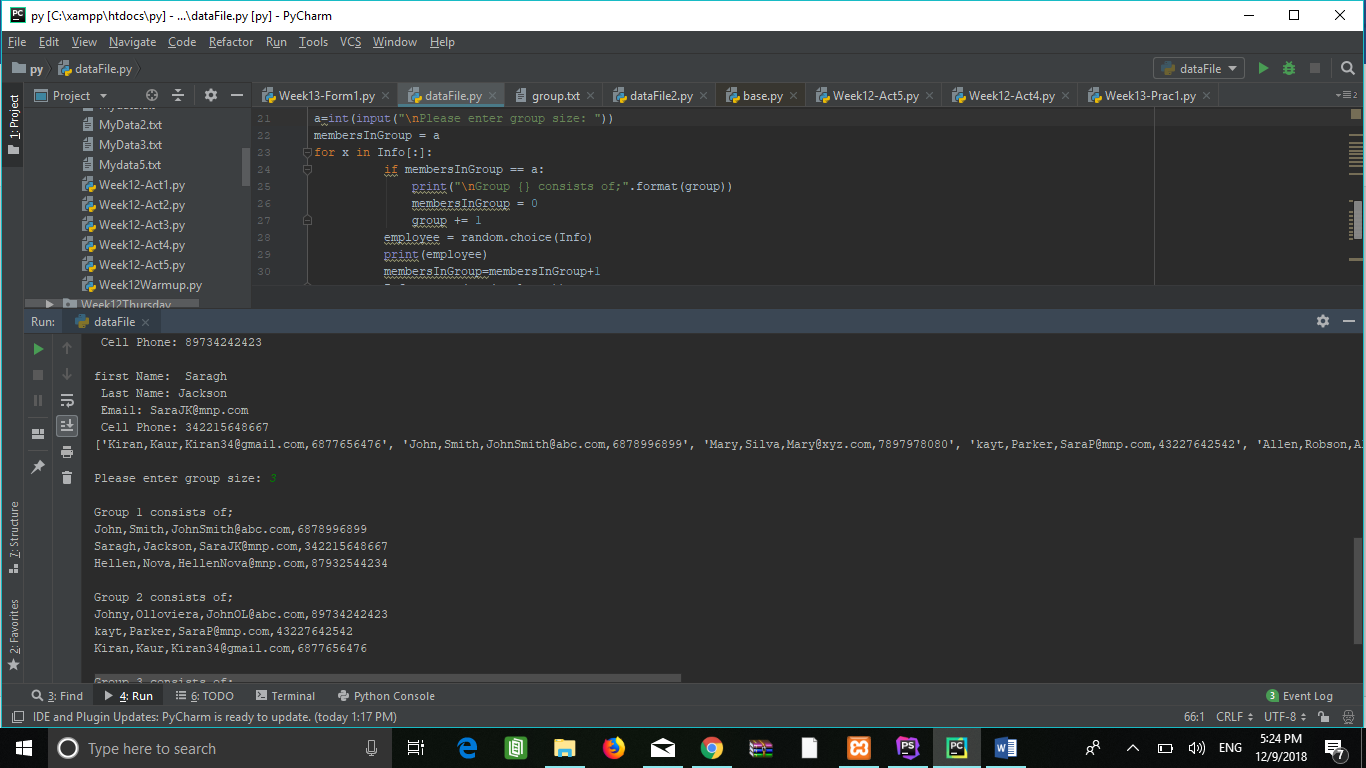




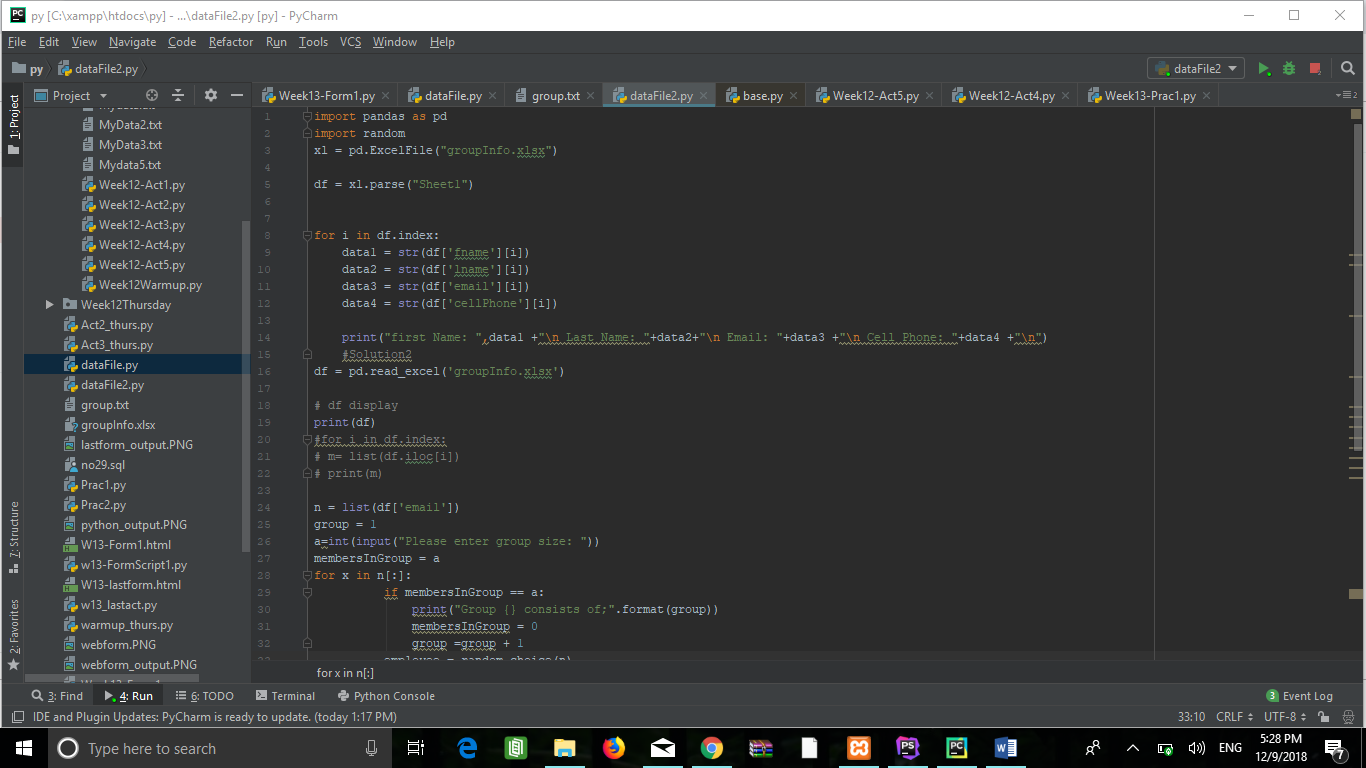


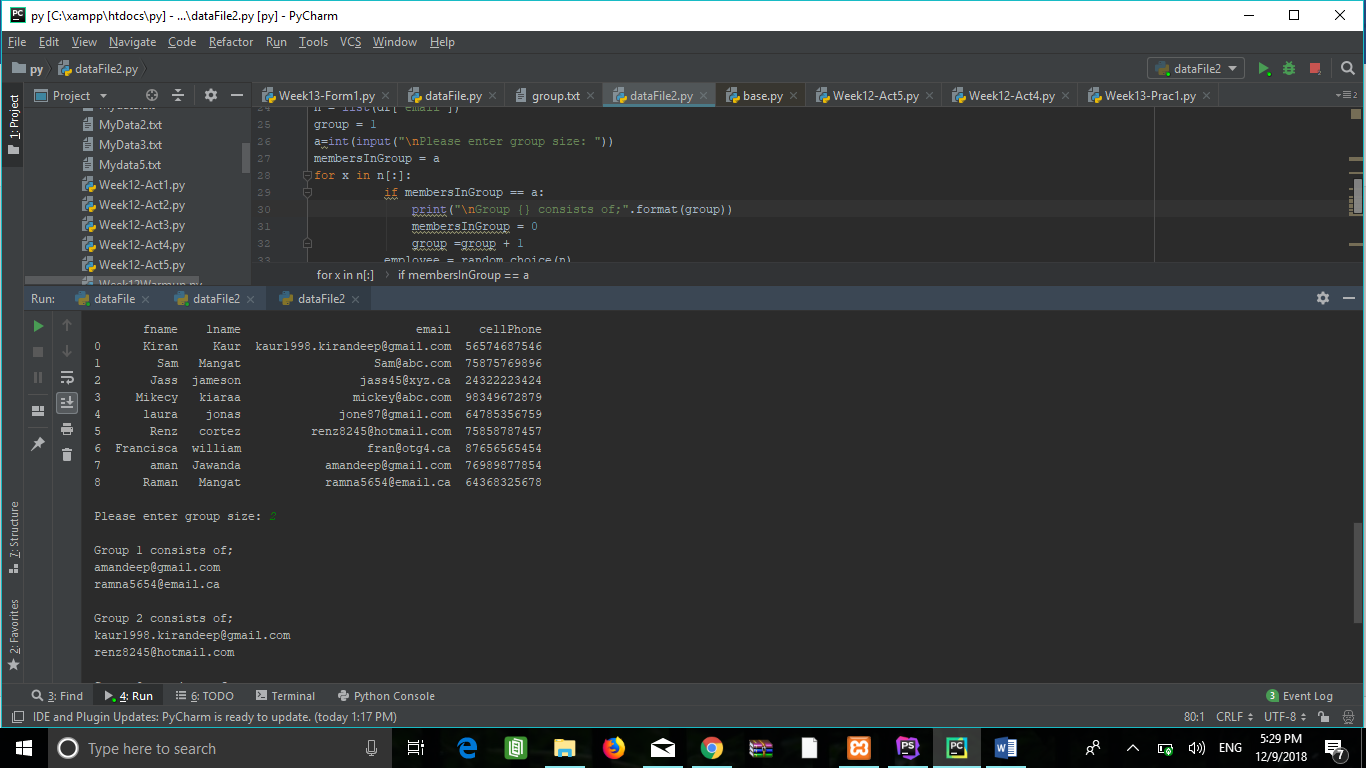






Excel file Program





Section 7: Project Feedback

(How do you evaluate your work? How do you evaluate your time management? How do you evaluate your experience in this project in term of team-working, programming skill, …?)

This was a complex project with open ended requirement causing many questions to be answered before we could implement it. Also, it has various scenarios it was very difficult to crack it in such a less time.

It was like a challenge. We have to think a lot. Dividing the work into pieces make easier to accomplish this project.

evaluate my work: 9/10

evaluate your time management:9/10

experience in this project in term of teamworking:9/10

programming skill:9/10

Section 8: Project submission on 000webhost

* Database information

<https://databases-auth.000webhost.com/db_structure.php?server=1&db=id8148705_xyz&token=86fc7110e5120a5880b4892992216901>

* Php Files and Python files

<https://cpan.000webhostapp.com/Project2_XYZ_event/>