

Weekly Dairy

Week 1:

Our 1st week for this project started on 19th August 2019. After a long chat with team members and different experienced people we decided to deal with the Immigration management system. Because we need to choose our project in such a way that it must be unique and fruitful.

And on 21st August 2019 we decided to complete the 1st experiment in which we divided our work. Here we were asked to write on the advantages of DBMS over file system.

We also had a talk with one experienced person in the field of Immigration who guided us how it works.

Jay Patel- Data redundancy and inconsistency and Difficulty in accessing data.

Jay Hemnani- Integrity Problems

Heet – Data Isolation and Atomicity problem

Falak- Concurrent-access anomalies

Dhairya- Security Problems.

This is how we divided our work.

Week 2:

It started from 26th August 2019. Firstly we sat together and thought about the tables and their attributes. It took 1-2 days to complete more than 20 tables.

Then Falak, Dhairya and Jay Hemnani wrote all the entity sets.

Jay Patel and Heet completed the ER Diagram and decided the primary key and foreign keys.

Then we converted it to Relational Diagram.

Week 3:

So from 2nd of September 2019, we started to work upon the making of tables in SQL i.e. creating tables. We distributed this work among us by few levels as in

Jay Patel, Jay Hemnani and Dhairya wrote the SQL code for creating tables. Heet and Falak decided the data types of attributes and the size for tuples.

We also worked upon the silly mistakes in our E-R model which lead to problem in Relational Model also.

Week 4:

From 9th of Sept, 2019 we started to use Xampp software for SQL. This time we added primary keys to all the tables as instructed by sir. Editing the ER and relational model. This work was done by Jay Patel and Jay Hemnani. Then Dhairya and Dhruvil added all the tables to xampp and decided their data types. Heet and Falak wrote the data to those tables.

Jay Patel wrote the definition of all Relational Algebra.

Week 6:

It was started from 7th October, 2019 and we just edited our tables i.e., some of the minor changes in our relational and ER model.

Week 7:

From the 14th October, 2019 our week 7 started and we dealt with functional dependencies of every tables (which were updated) and identified the candidate keys for all. We divided our work equally such that every one got atleast 3 tables to deal with.

Week 8:

From the 21st October, 2019 our week 8 started and we completed the normal forms for all the tables of our project. We divided the work among our team.

Week 9:

It was started from 4th November, 2019 and we studied the new topic in DBMS named triggers and to impliment it we used Xampp and made examples related to our project and we also wrote the syntax and defination of it.

Week 10:

So in this week we just completed some minor editings needed in our report and wrote the uniqueness of our project and the conclusion part in the report.

Week 11:

In this week we distributed our work for the data insertion so that it can cross 5000 entries for our project.