

Group Project

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Group: 1

Project WirteUp:

We initially discussed about the project as group to understand how a real world physical therapy clinic would like. We distributed the work load among ourselves. Srikanth was given responsibility in developing the ER diagram. I understood the project requirements and came up with an ER diagram and Relational Schema. The same was discussed among the team and necessary changes to the ER diagram to which we all have common understanding. The ER diagram we came up was already in 3NF and primary keys and foreign keys are clearly identified.

Based on ER diagram and Relational schema I created necessary tables in database and inserted some data into the tables. My friend Manoj came up with initial User Interface design on a paper. In group, we discussed about UI and sorted out some changes and finally started implementing HTML embedded with PHP code. Manoj also came up with login screen for the therapist and also creating the new account for the therapist where therapist specifies his specialization and creates his own account. We all gave some suggestions in order to make the screen to look good. I helped in adding bootstrap to the html and php codes.

The most challenging was to create the appointment page, we went online and searched for some appointment pages and came up with finalized design where therapist selects his own patient and selects date and time slot and also duration. Also therapist can add and delete exercises to be performed. Later he/she can schedule appointment for the patient upon filing the above details. I have designed and developed the entire Appointment page.

Therapist was given the access to add his new patients. So, up on clicking add patient tab therapist can enter the required details and create a new patient under him. Add patient functionality was taken care by Saran and came up with good design. The patient details can be viewed under update patient tab so that any

changes can be made at any time if necessary. This Update patient functionality was taken care by Rahul and done a excellent job in retrieving patient details and updating it as required.

Therapist was also given the access to view his own appointments which were scheduled under view appointments tab. This is a good design which displays all appointments of the therapist and also time and duration of the appointments which was developed by saran in a well understandable format. Finally, there is a tab called View patient record where therapist can see the history of a patient i.e the exercises he performed and related information. This requires good analyzation technique to retrieve history of a patient using multiple queries which was handled by me.

There were a few problems we faced initially in analyzing the functionalities and also integrating mysql, php and html. Later as a team, upon everyone ideas we were able to figure out the flaws and were able to design functionality in expected format.

The most beautiful part of working as a group was how well we communicated between each other, kept each other updated with the status report about how the milestones were achieved. We really enjoyed working as a group and also learnt how important it is to work as a team and plan well which are two important keys towards a successful project. And another big thing, I have learned how a good organized team can achieve fruitful results and our project is the best example where I have gained a plentiful knowledge over all functionalities, queries, php and also html and I am proud to be part of my team.

Analysis, Organizing, Planning, Creating, Implementing and maintenance. These were the few steps we need to achieve in future for the completion of successful project in a given span of time with a good organized team.