

Khidmat: Award Management System at DYSF

Sameer Anees Jaliawala
sj02732

This project is to create an Award Management System. Furthermore, we will also be somewhat involved in all other side projects related to IT such as the DYSF Portal and the Scholarship Management System.

DYSF is a non-profit organization that represents the Dhoraji Memons and the youth of the community. DYSF's mission is to strive for transformation of Dhoraji Memons into a highly educated, self reliant, progressive and healthy community. More On:
<http://www.dhorajiyouth.org/aboutus.aspx?page=about>

DYSF has a an award ceremony every year where hundreds of Dhoraji Memon students from all education background receive awards for their achievements in their studies. However, most of the system relies on manual entry of paper based forms and the use of excel to generate lists which is a highly inefficient system in this technologically advanced era. Our objective is to make an efficient system, that makes use of database technology, which could ease the overall process. Moreover, we would also give our contributions to IT related projects that will be taking place during our khidmat which are: The DYSF Portal and the DYSF Scholarship Management System. All the work will be done by the DYSF IT Team, which includes us.

We will work part time for DYSF under the supervision of their IT supervisor, who is one of their board of governors. Our main work would take place at our own convenient time and place and there is no particular deadline set for the project. The goal is to develop, test, and deploy the award management system by the end of our Khidmat.

Week 1: 27 May – 2 June, 2018

We spent this week meeting the IT team we would work with. We laid down objectives and aims and also decided on the division of labour. We checked out the annual award's current manual system, as well as the inoperative DYSF scholarship system at the DYSF office. We also paid a visit to Expertek Solutions, the firm which handled all their IT business and also made their website.

Item	Activity	Time	ID
1	Met IT team and supervisor	2 hrs	sj02732
2	Checked out the current IT system at DYSF office	2 hrs	sj02732
3	Meeting at Expertek Solutions	2 hrs	sj02732
4	Research, Brainstorming, Learning html,css,php	1hr and 30mins	sj02732

The total time spent on the Khidmat this week is as follows.

ID	Total Hours
sj02732	7 hours and 30 mins

Week 2: 3–9 June, 2018

Meeting with the external supervisor. He wanted to know what we thought of the current award system and how we can improve it. We told him about our ideas and how we can make the system better. We also explained the problems about the scholarship system. We made a draft ERD of the award system. The IT team met together to bring up a list of problems and objectives.

Item	Activity	Time	ID
1	Met IT team and supervisor	2 hrs	sj02732
2	Making draft ERD and learning php,html,css	3 hrs	sj02732
3	1st kickstart meeting with IT team	2 hrs	sj02732

The total time spent on the Khidmat this week is as follows.

ID	Total Hours
sj02732	7 hrs

Week 3: 10–16 June, 2018

Created database on the base of the draft ERD made last week. We also made ourselves aware of PHP myadmin and its database operations. We made our own effort on the user end forms. We divided the forms into 4 parts and worked on the first part.

Item	Activity	Time	ID
1	Created Database on PHP myadmin	3 hrs	sj02732
2	Made user-end form on html and linked it with database(PHP)	3 hrs	sj02732

The total time spent on the Khidmat this week is as follows.

ID	Total Hours
sj02732	6 hrs

Week 4: 17–23 June, 2018

We made 2 more user-end forms out of the 4 forms. We added validation checks and added final queries to them.

Item	Activity	Time	ID
1	Made 2 more user-end forms on html	3-4 hrs	sj02732
2	Added sql queries and validation checks. Testing and debugging.	3-4 hrs	sj02732

The total time spent on the Khidmat this week is as follows.

ID	Total Hours
sj02732	7 hrs

Week 5: 24–30 June, 2018

Meeting with the external supervisor. We updated him about our work. The IT team told us to leave the user-end for now and to focus on the admin-end of the system. We decided we would work on Laravel and use AdminLTE as the template. We also had an internal meeting with the IT team. (This was the first time we met after Eid)

Item	Activity	Time	ID
1	Met IT team and supervisor	2 hrs	sj02732
2	2nd kickstart meeting with IT team	2 hrs	sj02732
3	Researched Laravel and implemented AdminLTe on our systems	3 hrs	sj02732

The total time spent on the Khidmat this week is as follows.

ID	Total Hours
sj02732	7 hrs

Week 6: 1–7 July, 2018

Our IT Team head advised us to use Stack template instead as it had better security. We went ahead and implemented on our system. We brainstormed how the system would look like on the template and also brought up some ideas on the dashboard. We started making the first CRUD on the system (the CRUD related to the table known as Awardees).

Item	Activity	Time	ID
1	Implemeted and brainstormed on Stack template and its usage	2 hrs	sj02732
2	Started making the first CRUD of the system	3 hrs	sj02732

The total time spent on the Khidmat this week is as follows.

ID	Total Hours
sj02732	5 hrs

Week 7: 8–14 July, 2018

Met with the external supervisor and IT team (joint meeting) to discuss about all the IT projects in development. Met exclusively with external supervisor and IT head to find any other features in the system and how they want the data to be organized. We also finished making the first CRUD of the system and started on the second CRUD(Degrees).

Item	Activity	Time	ID
1	Meeting with external supervisor and IT team	2 hrs	sj02732
2	Second Meeting with external supervisor and IT head	2 hrs	sj02732
3	Started making the second CRUD and finished on the first CRUD	2 hrs	sj02732

The total time spent on the Khidmat this week is as follows.

ID	Total Hours
sj02732	6 hrs

Week 8: 15–21 July, 2018

We met with the IT team head this week, who helped us alot on the application. We finished our second and third CRUD (Majors) this week and started working on implementing the 4th Crud(Family History) and merging it with 1st CRUD (Members).

Item	Activity	Time	ID
1	Meeting with IT team head	2 hrs	sj02732
2	Finished making the second and third CRUD	3 hrs	sj02732
3	Started implementing the fourth Crud and merging it with first Crud	1 hrs	sj02732

The total time spent on the Khidmat this week is as follows.

ID	Total Hours
sj02732	6 hrs

Week 9: 22–28 July, 2018

The IT team head checked our progress and also helped us in our application. (We are meeting with the IT team head weekly). We merged the 4th CRUD with the 1st CRUD (which is difficult to do in Laravel). We also made Calender Cards on the dashboard(these cards let the user know days left to certain events). We started working on the seating arrangement feature of the application.

Item	Activity	Time	ID
1	Meeting with IT team head	1.30 hrs	sj02732
2	Merged and implemented the 4th CRUD with the 1st CRUD.	2 hrs	sj02732
3	Made Calender Cards on Dashboard	1 hrs	sj02732
4	Started working on the seating arrangement feature	1 hrs	sj02732

The total time spent on the Khidmat this week is as follows.

ID	Total Hours
sj02732	5.30 hrs

Week 10: 29 July – 5 August, 2018

Weekly meeting with the IT team head. We completed making the seating arrangement feature which was to generate seat numbers to applicants according to their gender and award categories(Degree) and listed them in a proper format. We made the layout of the seating tickets which the user can print once all the seats are generated. We also made interactive charts on the dashboard that show graphical representation of data.

Item	Activity	Time	ID
1	Weekly Meeting with IT team head	1.30 hrs	sj02732
2	Completed making the seating arrangement feature(including tickets)	4 hrs	sj02732
3	Made charts on the Dashboard	2 hrs	sj02732

The total time spent on the Khidmat this week is as follows.

ID	Total Hours
sj02732	7.30 hrs

Conclusion

Our project was to build an Award Management System for Dhoraji Youth Service Foundation. We started by meeting the external supervisor and IT team to discuss how to build this system. Initially, we decided to make both the user-end and admin-end of the system. However, due to some reasons our IT team advised us to only focus on the admin-end. We then identified the necessary tools to build the required system and trained ourselves on them. The system was built on PHP Laravel using Eloquent ORM to work with our Database. Development and testing were carried out in collaboration with the IT team head so that any shortcomings were identified and catered to as we went along. After development, we gave the system to the IT team head and also gave the demo to the external supervisor and all those involved from the administration. The deployment responsibility has been undertaken by the IT team head and the external supervisor; as they ensured us that they are going to deploy the system as soon as they get the hosting for it. We also attended meetings and gave a hand in other IT projects that were going on during our time there.

Khidmat Completion Form

To be completed by the external supervisor.

Please use the space below to provide any comments you may have on the students' performance, the Khidmat program, or any other feedback you want to share with Habib University's Khidmat committee. We can also be reached at khidmat@sse.habib.edu.pk.

We have been greatly benefited by the Khidmat program of the University.
The project related to development of an application for the Annual Academic Excellence Award ceremony of Dhora Youth Service Foundation.
The project has been completed and it would be a great help for planning and organizing event.
Thank you Samsar and Habib University.

I hereby certify that I supervised Samsar and XXX for the Khidmat described in this report. Furthermore, that I have read and agree with the weekly updates included in this report. My signature below marks the successful completion of the work undertaken for the Khidmat.

Ashraf Usman

Name and signature

Karechi 31-8-2018

Location and date