Database Re-design for STEM Academy

Technology Review (Rough Draft)

Munisha Prakash Parikh

Group 47

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1. User Interface for Participants

1.1 Overview
STEM Academy needs to collect survey data for assessment using softwares, in order to determine their impacts on the respective participants.

1.2 Criteria
The audience targeted are the participants(Camp kids) who would be using these surveys. These surveys would help the participants to anticipate and rate their experiences.

1.3 Potential Choices
User interface for the participants would be in the form of surveys. In the surveys we should be able to add or delete the questions. We also want to be able to add data manually. In order to achieve this here are the following options:

1.3.1 Surveys
The current system is using Surveys created by HTML and PHP files.It allows the user to enter details and allows the admin to extract this information in order to keep a track.

1.3.2 Qualtrics
For the Qualtrics we could use qualtrics API as this would provide a variety of surveys depending on the platform. For this project we would use Qualtrics in order to change the answer if they answered them correctly. Also OSU has a contract with the Qualtric so it would be easier to implement and export data from qualtrics to the system. This would also be free.

1.3.3 Survey Monkey
SurveyMonkey provide free, customizable surveys but also a paid back-end programs. They provide things like data analysis, sample selection, bias elimination. Surveymonkey also provides an API called FluidSurveys which would help responses to be stored. I am not very sure about how would we export the data to our system.

1.4 Discussion and Recommendation
We would prefer to use the second option, first most reason being it is free and has a tie up the OSU. As of now our clients are paying $20 per month for a system they are not even using. The survey system is currently non functional because of the non editable options. Once a student enters something they can not undo or delete and it would have to refill the entire survey. This would also be harsh on the admins as they would have to manually upload survey, which in the current system is not possible. SurveyMonkey is a good second choice just because it has good features but what makes it incompatible is the paid feature, because i am sure it would be free for a certain while and then it would be like subscription(I did not research much about the money)

1.5 Conclusion

In conclusion, i would like to say that we would want to use the Qualtrics as it is an efficient way for the participants to fill survey. As this would not make them worry about doing something wrong and not be able to change it.