

CS CAPSTONE PROBLEM STATEMENT

OCTOBER 10, 2017

DATABASE RE-DESIGN FOR STEM ACADEMY

PREPARED FOR

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Abstract

STEM Academy is a growing self-funded program who offer quality programming and provide opportunities. They need a database to compile and assess survey data used to determine its impact on participants. It also applies for future funding from different resources. This project will make a long-term impact on children who are going to be the future of science and technology. A database was developed by a capstone team last year, but It did not meet their needs. So this years team will be revising the code and making improvements in the database. Our team will have to make changes and implement graphics, reporting in the system.

CONTENTS

1 REQUIREMENTS

- Technical skills to understand and redesign the database.
- Communication Skills to work with non-computer science employees.
- Ability to work with others.

2 OBJECTIVE

- Work collaboratively with non-science employees, help them completely understand the working of the database.
- Revise the old code with improved code
- Ensure that the database is developed to allow changes in survey data and other additional reports.

3 RESULTS

- A fully functioning database with old but revised and improved working code.