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ECR Database

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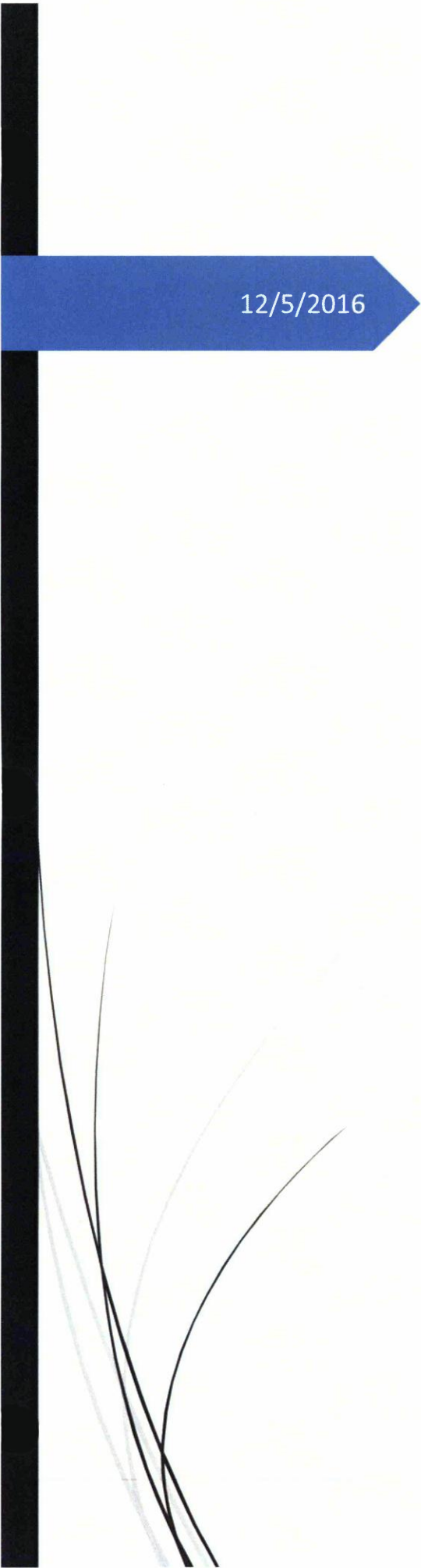
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12/5/2016

ECR Database Final Project Report

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INDIANA-PURDUE UNIVERSITY FORT WAYNE
FALL 2016

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Submitted to:
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ABSTRACT

A problem in most industries is how to keep data in a format and structure that is easy to manipulate. There is lots of solutions to this problem from simple word documents to spreadsheets to large databases. For the individual simple data is easy with documents and spreadsheets. When data starts to accumulate in businesses is where the power of a database really becomes a necessity.

This project supports the operations at Education for Conflict Resolution in managing their data. ECR is non-profit and serves the North Manchester and surrounding areas with conflict resolution mediations and a long list of other relevant services. The project is focusing on the data generated in the following ways: contacts, donations received, and services rendered (mediations). The database can then display this data in various reports. By creating software to interface with the database, the user will be able to easily enter and retrieve data. This program will also assist in ensuring the data is entered correctly and consistently.

This project took place in 3 semesters. The first semester was the planning phase, and the second and third semesters were the development phases. It took 3 semesters because a semester was taken for a co-op opportunity. During the second semester, a working prototype was developed within Microsoft Access which laid the ground work for the database and uses SQL queries. Development shifted to Visual Studio/Visual Basic in the third semester where there was more flexibility in the development process.

Keywords: Database, data format, Visual Basic, Microsoft Access, SQL

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Contents of the Included CD

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