1. **Introduction**

The Church Financial Recordkeeping application is to support the needs of a Church Secretary to maintain track of all the donations made to Church. This application allows the Secretary to add members to Church records and can update their information at any time. The application is user-friendly and easy to use.

* 1. **Purpose of the Application**

Church donations are a very significant part of a Church Financial Department. A Church requires a Secretary to keep track of all the donations. An existing system is used by the Secretary to keep a record of all accounts and donations. The Secretary needs a new system to keep up with new updates and work. The new application is needed to be similar to the existing system, but with robust features to support the needs of Secretary. The Secretary will use the application to enter donations, member’s records and print reports.

1. **Team Information**

Team Fixit is a group of four members who enjoy working together and solve issues.

* 1. **Team Organization**

The team is utilizing a controlled decentralized (CD) structure. The team has picked Sapna Patil as team leader. The team leader’s part is to appoint the tasks to members in the team and to guarantee that gatherings remain focused. The leader has discussed the plan for discussion, and the team acted together for all matters of the task. The team members have successfully finished the tasks assigned to them.

1. **Product Information**

To develop the application the team has followed Waterfall process model and this lead to the successful development of the application in the stipulated amount of time.

* 1. **Process Model**

The team decided to use Waterfall model. This was considered an efficient model since Church Financial Recordkeeping application is a small project with well defined requirements. Also this is easy to use and implement.

* 1. **Developed Application**

In this application there is only one user, the Secretary. The Secretary can add a member to the system by using his/her information and gives a unique envelop number to each and every member. By the end of every week, the Secretary gets the information regarding amount of donations and what kind of donations made to the church. This application allows the Secretary to add, edit, delete a member. This application allows the Secretary to generate the reports at any time and on any desired period of time.

* + 1. **Advantages**
* **User Friendly –** The application developed is easy to use. Graphical user interface is simple and easy to navigate through the application.
* **Efficient -** Tasks are performed in minimum amount of time.
* **Consistency –** The components used in the application are consistent enough**.**
* **Security –** This application is secured as it is stand alone application.
* **Usability –** The application is easy to learn and use.
* **Correctness** - The application performs all the necessary tasks.
  1. **Problems Resolved in the System**

The problems which we identified and solved during Software Development Life Cycle were:

* To populate and display the details in table (grid view).
* To generate the report for print purpose (PDF).
* To read the values from the combo box after editing.
* Redirecting to page after updating the data.
  1. **Problems Existing in the System**
* When user clicks on the logout button, the application logs out and the page gets navigated to login page. Now, when the user clicks the back button the page is getting navigated in to the application (navigates to the page before logout).
* Application has no session time out functionality.
* No validation for address fields.
* If URL address is copied from one browser and pasted in another browser, still the application is working.

1. **Deployment Issues**

* As the application was developed in ASP. Net framework the server system on to which it is to be deployed must also have ASP. Net framework.
* The target system should have a version Microsoft Visual Studio same as or later versions of the developed system and SQL Server 2012 for application to run.
* The system must have latest or up to date version of Adobe Acrobat Reader for the reports.

1. **Different Approach**

If the team had to redo the project, then PHP might be used. As the application has single user, we would make it as windows application, so that the burden for the developers can be reduced. MySQL would be used as the database and data back-up would be provided.

* 1. **Future Work**

The team implemented all the requirements of the customer. If there was more time we would have been implemented the following:

* We would have made it as web application on any system which is connected to printer to print the reports.
* If it has to be a Web application then security could be provided to the information in the database by encrypting data.
* Develop application which is platform independent.
* Graphical user interface could be improved by using graphics.
* Church Financial Recordkeeping can be made as mobile application.
* Provide facility like accepting donations online.
* Provide facility to reset the password by providing user details like Email.

1. **Team Fixit Learnt**

The opinion of the group about software development was different before starting the project. During the development, the importance of meeting the deadlines and documentation was known. By the end of the project the group understood that code is not the only deliverable, also the required documents and artifacts are to be delivered for the maintenance of application. The group also learnt how to work efficiently in groups which is crucial for the development of software.

The group learnt how to develop an application in .Net framework by connecting it to the database. Also, the group learnt how to develop an application following a specific process model.

Church Financial Recordkeeping application is successfully developed with the team effort. All the team members contributed their best in the completion of this project.

1. **Glossary**

Client- The party for which services is rendered.

Database- The file containing the collection of data for the software.

SQL Server- Database management software

Microsoft Visual Studio- It’s a framework which will be used in designing and coding from Microsoft Corporation.

Microsoft Windows- A family of operating systems from Microsoft Corporation