PROPOSAL FOR DEVELOPMENT

OF

LIFE TOWN WEB-BASED APPLICATION

PROPOSAL FOR DEVELOPMENT

OF

LIFE TOWN WEB-BASED APPLICATION

Expert Micro Systems, Incorporated data processing professionals has combined experience of over 50 years' experience in the areas of applications development, systems analysis, and web design. Our experience encompasses all phases of the system development life cycle.

Our objectives have always been to provide effective business solutions, and provide high quality technical resources to successfully implement the set of deliverables described herein.

Our services include:

- Technical Consulting
- Web Design and Development
- Agile Development
- Systems Integration
- System Design
- Requirements Definition
- System Implementation
- System Planning and Assistance
- Custom Programming
- Training
- Technical Writing and Documentation

We are committed to providing the highest quality service to the City of Columbus, Department of Technology.

We look forward to the opportunity of being of service and continuing a long and mutually rewarding relationship with the City of Columbus, Department of Technology.

The contact person with authority to answer questions regarding this proposal is:

Patricia E. Opong, President

Office: 614-755-3953
Cell: 614-657-2860

PROPOSAL FOR DEVELOPMENT

OF

LIFE TOWN WEB-BASED APPLICATION

SYSTEM OBJECTIVES

Life Town is a unique program that enables special needs students to learn social skills through experiencing real-life scenarios. This initiative is a partnership with Life Town and Columbus City Schools to empower students with the necessary skills and curriculum to function in today's society.

Currently, Life Town does not have a software application to assist and guide students through the Life Town lessons and curriculum. Development of a web-based application will provide students a platform to continually prepare for Life Town while applying skills and outcomes of Life Town's existing curriculum.

The new web-based app will be developed utilizing Life Town's existing curriculum. Integrating Life Town's lessons is essential towards successful student learning and assessment of Life Town's learning outcomes. This provides continuity of Life Town's lessons 24 hours, 7 days a week. Students can continue to gain the Life Town experience prior to visiting Life Town, or, re-enforce learning after visiting Life Town. Students receive services anytime which is valuable to learning.

PROPOSAL FOR DEVELOPMENT

OF

LIFE TOWN WEB-BASED APPLICATION

PRELIMINARY SYSTEM OBJECTIVES

The following are a few preliminary system objectives. Additional system objectives and requirements will be identified and included during the System Requirements Phase.

1. To design and develop a web-based application which integrates Life Town's existing curriculum and lessons.

2. The new web-based application will include, but is not limited, to the following lessons.

    1. Introduction to Life Town
    2. Life Town Virtual Experience
    3. Time Management Lessons
    4. Financial Literacy Lessons
    5. Socialization Lessons
    6. Safety Lessons
    7. Job Lessons

3. Provide for the ability to guide the student through lessons within a major category. For example, a student can learn "Money Matters", "Creating a Spending Track", and "Keeping Track" within the Financial Literacy lesson. A student has the option to select one lesson, multiple lessons, or all lessons within a category.

PROPOSAL FOR DEVELOPMENT

OF

LIFE TOWN WEB-BASED APPLICATION

4. Include a "Speech" module which includes but is not limited to the following lessons.

    1. Language Skills Lessons
    2. Receptive Language Skills Lessons
    3. Expressive Language Skills Lessons
    4. Social Skills Lessons
    5. Problem Solving Skills Lessons

5. Provide for the ability to build a profile for users of the application.

6. Provide the ability for the application to operate on a desktop computer and a tablet.

7. Provide the ability to capture and track data related to lessons in a secure database.

8. Produce reports after completion of a lesson.

9. Produce custom detail and summary reports for instructors and Life Town users of the application.

10. Design and develop role-based security for designated areas of the application.

PROPOSAL FOR DEVELOPMENT

OF

LIFE TOWN WEB-BASED APPLICATION

PROJECT MANAGEMENT

During the entire project, Expert Micro Systems, Incorporated project team will meet and work with Esther Kaltmann, Tia Jackson, and other designated Life Town staff to discuss the status of the project. Any questions, concerns, and modifications will be addressed during these meetings and resolved in a timely manner.

PROJECT SCOPE

The project scope outlines and describes the deliverables required to complete the project.

DELIVERABLE ONE - SYSTEM REQUIREMENTS

During this phase, the Expert Micro Systems, Incorporated Project Team will work in conjunction with the Life Town project team to review and discuss the required and mandatory requirements of the web-based application.

This involves meeting with key personnel to review the current system, forms, documents, reports, procedures, data, new features and modifications. Upon completion of the review process, Expert Micro Systems, Incorporated will prepare the ***System Requirements Specification Document*** **(SRSD)**.

The purpose of this document is to describe **what** the application has to do from an operational perspective.

The **System Requirements Specification Document** will define the technical, operational, functional reporting, and interface requirements, as well as provide solutions and recommendations for the development of the web-based application.

After review and acceptance of the system requirements is System Design. During **System Design**, we will develop the application from the requirements outlined in the System Requirements Specification Document.

DELIVERABLE TWO – SYSTEM DESIGN AND DEVELOPMENT

After review and approval of Deliverable One, the next step is to begin the design, development. During this phase a proof of concept will be developed. The proof of concept is a simple prototype that Expert Micro Systems will use to illustrate to Life Town the goals and conceptual design of the project. This provides a visual framework for the web-based application.

Upon completion of coding, **System Testing and Integration** will be performed. Test plans will be developed to ensure that all components meet the acceptance criteria defined in the System Requirements Specification Document.

After individual components have been tested and shown to meet the acceptance criteria, the entire system is tested for overall functionality.

System Implementation will immediately follow System Testing and Integration. This phase will involve software deployment, training, preparation and delivery of the web-based application.

LIFE TOWN

PROJECT COST SUMMARY

Deliverable One (System Requirements)..... $ 5,000.00
30 day completion

Deliverable Two - (System Design, Development, Training)..... $ 25,000.00
6 months completion

TOTAL PROJECT COST.....$30,000.00

This project is estimated for completion in 7 months.