Elves & More - Texas A&M University: EPICS
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Project Objective/Purpose
Goal: Solve technical and logistical issues, providing a streamlined process of data collection and communication between students, teachers, schools and Elves and More.

Introduction & Background
Elves and More is a non-profit organization that helps at-risk children living in Greater Houston. Partnering with schools and teachers, Elves and More rewards with bicycles the children that achieved their personal set of educational goals (that can be related to their behavior in class, attendance, reading level, and others).

Requirements List
- Need ability to have an on-line contract with on-line signature
- Need a data base capability to collect the following data:
  - Student identification
  - Student’s set of goals
  - Periodical tracking of student level of achievement
  - Information of teacher responsible for the student
  - School identification
- Need to provide interfaces to data for:
  - System administrator
  - Students
  - Teachers
  - School administration
- Need to protect the privacy of the student data
- Need to have an user friendly interface
- Need to have an easy maintenance
- Need to have low cost

Future Work
- UI Improvements
- More Reports/Data Exportation
- Ability to send emails from within the system

Conceptual Design
Phase 1: Project Planning/Solution Design Complete
Phase 2: Project Implementation
Documentation    Web Application    Testing    Security Analysis

Resources Used
- .NET framework
- MVC 4
- Entity Framework
- Postal

Teacher sets goals for each student (contract)
Contract is approved by parent
If the child reaches the goal by the end date, Elves and More provides a bike
Teacher updates the progress of each child

Phase 2 Results

Database Model

Website Mock-up

Hello! Teacher

Class 1: ID: 123456789
- Emily
  - Math: 85%
  - Science: 90%
Class 2: ID: 987654321
- John
  - Math: 80%
  - Science: 95%