Project Title:	**Creation of a Tank ActiveX Control for iFIX**
Client:	E2i Automation & Electrical Design, Inc.
School Year:	2002-2003
Students:	Ben Greenlee
Summary:	This project will be a "Tank Class." The company sponsoring the Tank Class project is E2i Automation and Electrical Design, Inc. (E2i). The Tank Class is a compact replacement for Tank images currently used by E2i Automation when developing Human Machine Interface (HMI) screens. The tanks shown on the HMI screens represent physical tanks that exist in the field. Previous tanks produced by E2i for their clients have been developed in Intellution's iFIX HMI development software. These tank images are functional, nice looking and have served the client's purpose well. But, because of the way these images have been created they are time consuming for E2i to produce, they are difficult to troubleshoot, and they take up a large amount of system memory. The primary goal of this project is to write and test code for the Tank Class written in Microsoft's Visual Basic (VB) coding language. The class will be exported as an ActiveX control using Visual Basic studio and will be imported into iFIX. The control is to be tested in both the VB and iFIX environments. The initial stages of this project t are to gather information regarding the current tank image in use by E2i Automation and to learn the fundamentals of VB. Next the options for producing a replacement are discussed. These include many aesthetic as well as functional options. The final solution will be a tank object that is quickly reproducible, easy to update and troubleshoot, and uses a relatively small amount of system memory.