

## Criterion E: Evaluation

### Evaluation of product

- The application must be designed for easy integration into other applications that will be created to help serve the internship program and the scholarship fund.
  - The application has been designed for easy integration into other applications that will be created to help serve the schools other initiatives. The hierarchical nature of the application created through the use of inheritance allows for easy implementation of new end functions.
- The application has a database which holds alumni records with entries as defined in the success criteria, including:
  - Basic contact information
    - First Name
    - Last Name
    - Email
    - Phone Number
  - Employment
  - Whether or not their employer offers internships
  - Whether or not their employer offers charity matching
- The application must be able to query the database
  - Sort by column type
    - The application achieves this through the use of SQL commands, and the assist of polymorphism through overloaded methods.
  - Missing information such as email
    - This is also achieved through the use of SQL commands and polymorphism, however the application simply searches for null data among entries.

- The application must have a graphical user interface to show the database, query the database, and show the results of the query.
  - The application has a simple graphical user interface to show the database, query the database, and show the results of the query through the use of Jtables and swing methods. The GUI has been accepted by the client as intuitive and easy to use.

The product accomplishes all goals set forth by the success criteria, and was well received by the client.

**Word Count: 253**

### **Recommendations for further development**

While the current implementation accomplishes all success criteria there is room for improvement. As the alumni initiative grow at the school, the application will need to grow with it. In order to relieve administrative workload, the application could eventually have user system with privileged access to certain functions for certain users. This would allow for the application to be used by previous alumni to crowd source the information gathering process, while keeping data secure and protecting it from malicious action or user error.

The application could also be expanded to hold more than what its database currently holds. Storage for things like class pictures, and other media involving the alumni could be saved and attached to their entry. The database could also hold old grades, and portfolios of work accomplished at the school.

**Word Count: 133**