

Digital Foundry  
Software Requirements Specification

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# **Section 1:**

# **Project Overview**

## Digital Foundry

### Software Requirements Specification

The Siena College internship program is an important and crucial part of the development of its students. The science portion of this program is responsible for many students getting successful internships during their tenure at Siena College. Currently Dr. Tim Lederman runs the science divisions' internship program by using volumes of paper documents outlining student applications, work site applications, contact information and other necessary information. A current student begins his internship process by filling out a paper application and submitting a transcript to the internship coordinator. The coordinator then approves or disapproves the student's application. If the application is approved then a site that works primarily in the student's given interest is found. The work sites follow a similar pattern in their application process. From a written proposal given to the coordinator, students are assigned based on their expertise and qualifications. At the end of the internship the student and the worksite fill out evaluations of each other's work experience.

However, with expanding class sizes and an increasing need for real world experience before graduation, Dr. Lederman has been forced to take more responsibility, involving greater amounts of paperwork. SCIPAnet is proposed as a complete replacement to the current paper-based system of internship management. Through the use of an Oracle database it will be possible to maintain a centralized record of internship information both student and work-site related. The database will be a resource used to keep track of individual student experiences in the program allowing for an internet based application, transcript submission, and evaluation. It will also allow work sites to submit project proposals to the coordinator, update contact information and fill out evaluations about current interns. Finally, SCIPAnet will allow the Coordinator to perform queries using multiple search criteria.

# **Section 2:**

# **Development, Operating and Maintenance Environments**

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**Development:**

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All development of SCIPAnet will be performed by Digital Foundry using Siena College computing facilities. Siena College's computing facilities involves multiple computer labs running either Windows 2000 or XP. The database portion of the system will be developed in the production Oracle 9i database. When the system is complete it will be running on Computer Science's web server.

**Operation:**

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The coordinator, students and work-site are the three users that need to interact with SCIPAnet. All three of these interactions will make use of an Internet based graphical user interface that is easy to use and has substantial power. There will be no training or user manuals created and the users will have to rely on help given in the form of popup dialog boxes generated from the website itself. The three users will log in through a general log in screen. From here they will be presented with different screens based on their status. The coordinator will be given options to either query the database, review student applications and information or perform other various tasks. The work sites will be able to update contact information, update or submit new project proposals, or fill out evaluations. The students will be able to update or newly submit an application for an internship. They will also be able to fill out an evaluation about their work experience.

**Maintenance:**

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The only maintenance considerations that are being explored are those of the coordinator maintaining student records. The database itself will have to be maintained by the DBMA himself in order to maintain consistency and troubleshoot problems in Oracle. Student records and work sites will either have to be maintained by the coordinator himself or by the actual student or worksite. Mostly, however, it will fall on the coordinator to maintain and expand student records.

# **Section 3:**

# **External Interfaces**

# **and Data Flows**



# SIENA COLLEGE

Welcome to the Siena Science  
Internship Program Home Page

Login:

Student	<input type="button" value="Login"/>
Internship	<input type="button" value="Login"/>

[Next](#)





**SIENA COLLEGE**

### **Internship Work Site Login:**

User  
Name:

Password:

[Forgot Password?](#)

[Have not registered yet?](#)



**SIENA COLLEGE**

## **Student Login**

Email Address:

Password:

[Forgot password?](#)

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**SIENA COLLEGE**

Welcome Coordinator if you would just like to enter your password we can begin:

Password:



## SIENA COLLEGE

Forgot Password?

### Forgot Password?

Insert your E-mail address below and your login and password will be automatically sent to your E-mail account.

E-mail Address:



**SIENA COLLEGE**

### **Internship Work Site Login:**

User  
Name:

Password:

[Forgot Password?](#)

[Have not registered yet?](#)



## SIENA COLLEGE

Science Student

**Welcome, NAME OF STUDENT, to the Science Division Internship Program.**



### [Student Application Form](#)


Contains a form to fill out in order to apply for an internship.  
Also allows for student to update their existing applications.



### [Student Evaluation Form](#)

This will allow you to fill out a Evaluation of your internship.  
Only AFTER completion of your internship.

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# SIENA COLLEGE

**Queries:**

View All Students

**Messaging Center:**

Student Evaluation Request

**Welcome Dr. Lederman:**

Jimmy	Connors	2009	.1	111-11-1111	No
Jim	Bean	2001	4.0	222-22-2222	Yes
Steve	Shields	2003	3.2	333-33-3333	Yes
Jim	Brown	1956	2.0	444-44-4444	Yes
Sam	Sneed	1842	1.956	555-55-5555	No

Name:



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City:  State:  Zip:

Phone:

Home Address:

City:  State:  Zip:

Phone:

Course Name or Current or Intend to take in future	Course Number	Grade	Indicate Transfer
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<input type="text"/>	<input type="text"/>	<input type="text"/>	Transfer <input type="button" value="v"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	Transfer <input type="button" value="v"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	Transfer <input type="button" value="v"/>
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<input type="text"/>	<input type="text"/>	<input type="text"/>	Transfer <input type="button" value="v"/>

<input type="text"/>	<input type="text"/>	<input type="text"/>	Transfer <input type="button" value="v"/>
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Thank you for filling out the intern information sheet.

Once you press the submit button your form will be emailed to the Science Division Internship Coordinator.

You will be contacted within a couple of days and will be giving further directions at that time.

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## Science Intern Evaluation

Name of Intern:

Date:

Name and Title of Supervisor:

Company Name:

### Reliability

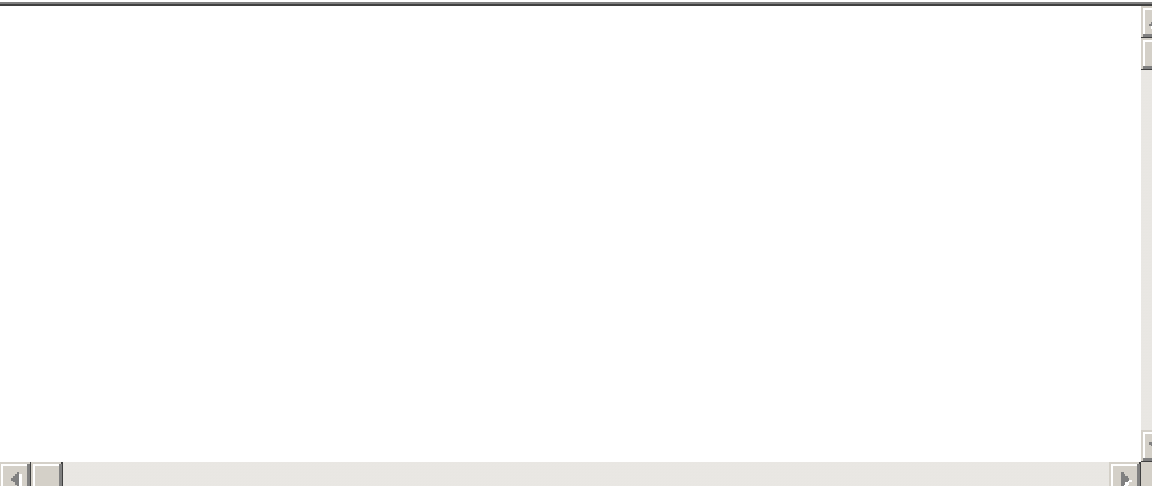
	Excellent	Good	Fair	Poor	Not Applicable
Arrive at expected time:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preparation for assignment:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Completion of assignments on time:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### Initiative

	Excellent	Good	Fair	Poor	Not Applicable
Planning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aptitude	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ability to work without supervision	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Innovation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drive, perseverance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Quality of Work

Comments:



Would you like to have a Siena science intern next semester? Yes ☐ No ☐

SCIPAnet  
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## School of Science Internship Program

Site of Qualification  
Session  ,  (year)

Name of Organization:

Address:

City  State  Zip

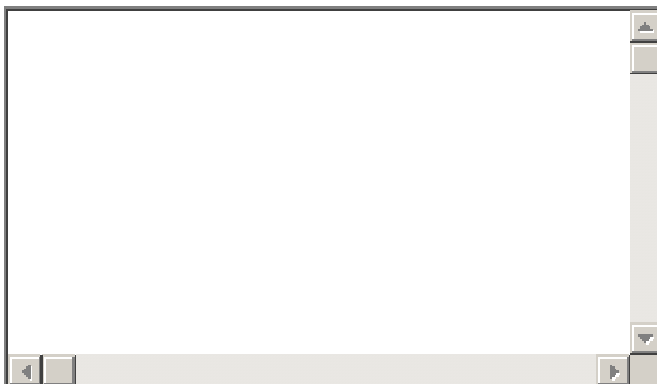
Phone Number:  Fax Number:

E-mail Address:

Name of Intern Supervisor:

Title of Intern Supervisor:

Job Description/Project Description/Description of Internship:



## School of Science Internship Program

Site of Qualification  
Session  ,  (year)

Name of Organization:

Address:

City  State  Zip

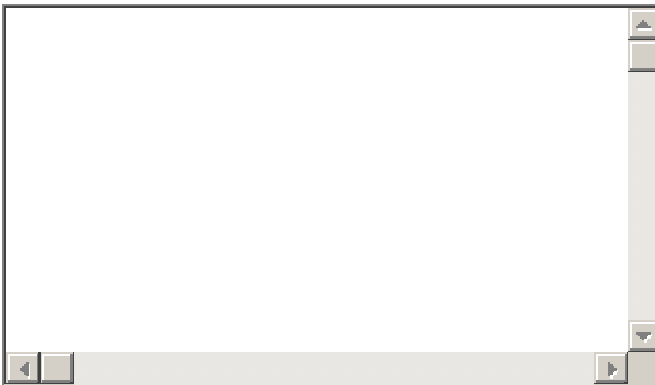
Phone Number:  Fax Number:

E-mail Address:

Name of Intern Supervisor:

Title of Intern Supervisor:

Job Description/Project Description/Description of Internship:

A large rectangular text area with a light gray border. On the right side, there is a vertical scroll bar with a small arrow button at the top and a larger rectangular slider. At the bottom left corner, there are two small square buttons, one with a left-pointing arrow and one with a right-pointing arrow. The text area is currently empty.