

Vision Document¹

Admissions Applications Solution

Team 5 – runnermike.com

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Revision History

Date	Version	Description	Edited by
10/6/2005	1.0	Initial Draft	Drew Bowman

1 Introduction

This vision document will be used during the development of the Admissions Applications Solution. It presents an overview of the needs and features that are addressed by the system.

1.1 Purpose of the Vision Document

This document defines the relationship between the needs of the users and the features that the system provides to satisfy those needs.

1.2 Product Overview

The Admissions Applications Solution will obtain relevant information from students who are interested in Rose-Hulman admissions. Information will be emailed to the Admissions Office in an easy-to-read format. Admissions Applications Solution will be integrated with the existing website, including location, links, and look and feel.

2 User Description

The two users of the system are students requesting admissions information, and the admissions office employee(s) who deal with the submissions.

2.1 User/Market Demographics

Since the student/future student user may be of varied background, the interface must be designed to be accessible to as wide a range as possible while minimizing possible confusion. The current system has been proven to be flawed by the number of incorrect or incomplete submissions, so this will be improved on.

2.2 User Profiles

¹ Format from Leffingwell & Widrig, *Managing Software Requirements*, Second Edition. Addison-Wesley, 2003, ISBN 0-321-12247-X, pp. 175-6.

Person Interested in Admissions

Presumably a student, this individual is using the website to obtain information about Rose-Hulman, particularly the admissions process. They will initiate the form process and proceed to fill it out.

Admissions Employees

The admissions staff will collect the submitted information and use it as necessary. The needs of the employees range include being able to view all important data quickly and ensure that it is present. Certain forms may need different information to be highlighted to optimize productivity, such as athletes.

2.3 User Environment

The interested students will access the system through the existing web interface. The forms must appear in the same "look and feel" as the surrounding website to maximize the experience for the user.

The admissions employees will receive submission data directly through their email. The email will be conveniently formatted and accessible through a central account that all employees have access to.

2.4 Key User Needs

- The ability to fill out the forms and submit them automatically to the Admissions Office
- The ability to view submissions for printing
- The ability to have all required data checked before submission

3 Product Overview

3.1 Product Perspective



3.2 Product Position Statement

For	<i>People interested in information about Rose-Hulman Institute of Technology</i>
Who	<i>Online information forms</i>
The <i>Rose-Hulman Website</i>	An online tool to begin receiving information about Rose-Hulman

That	<i>Make these forms more efficient</i>
Unlike	<i>Waste of paper and time</i>
Our product	<i>Will organize the data better and have several checks to make sure the data entered is correct</i>

3.3 Summary of Capabilities

Customer Benefit	Supporting Features
Better Organization	Less time, less effort, and more accurate data

3.4 Assumptions and Dependencies

3.5 Cost and Pricing

As of now, the product cost is free. We are using this product for a class in which we will receive credit.

4. Feature Attributes

E-mail organization

Status	Approved
Priority	High
Effort	High
Risk	High
Stability	High
Target release	3 Months
Assigned to	Development team
Reason	This will cut back on the number of papers wasted and will also be easier to read

Data Checks

Status	Approved
Priority	High
Effort	High
Risk	High
Stability	High
Target release	3 Months
Assigned to	Development team
Reason	We will have several checks in our software that will make sure that data entered is accurate and correct

5. Product Features

This section of the document lists the product features. Below is the format used in the example vision document (note the beneficial switch to landscape format):

Feature No.	Description	Priority	Effort	Risk	Targeted Release	Use Case	Comments
1	Campus Day Registration	High	Low	Low	1.0	6.3	
2	Catapult Application	High	Low	Low	1.0	6.2	
3	Prospective Student Survey	High	Medium	Low	1.0	6.1	
4	Adaptable Survey Questions	High	Medium	Low	1.0	6.1	
5	Athletics Survey Questions	High	Low	Low	1.0	6.1	
6	Catapult Supplementary Form	High	Low	Low	1.0	6.2	
7	Information Verification	High	Low	Low	1.0	6.4	
8							
9							
10							

6. Exemplary Use Cases

6.1 Information Request

Item	Value
Use-case name	Request for information
Brief description	A person that would like to receive information about Rose-Hulman Institute of Technology
Actor(s) involved	The person interested, the website
Basic flow of events	A person will access the Rose-Hulman website and begin filling out an information form. After completing the form correctly, an e-mail will be sent to the admissions staff detailing information about the student. Once the admissions staff verifies the information submitted is correct, he will begin receiving information about Rose-Hulman Institute of Technology.
Alternate flow(s) of events	One alternate flow would be that the person does not fill out the form with the correct information. He will receive an e-mail from the admissions staff highlighting the errors the person may have made.
Pre-conditions to use case	The person has internet access and has an e-mail address.
Post-conditions of use case	The interested person will receive information about Rose-Hulman Institute of Technology.
Special requirements	

6.2 Catapult Application

Item	Value
Use-case name	Applying to catapult
Brief description	This describes the process for applying to Operation Catapult
Actor(s) involved	The person interested, the website
Basic flow of events	A person will access the Rose-Hulman website and begin filling out an application form. After completing the form correctly, an e-mail will be sent to the admissions staff detailing information about the student. Once the admissions staff verifies the information submitted is correct, he will be notified whether he has been accepted for Operation Catapult.
Alternate flow(s) of events	One alternate flow would be that the person does not fill out the form with the correct information. He will receive an e-mail from the admissions staff highlighting the errors the person may have made.
Pre-conditions to use case	The person has internet access and has an e-mail address.
Post-conditions of use case	The applicant will be notified whether he/she has been accepted for Operation Catapult
Special requirements	

6.3 Campus Day Enrollment

Item	Value
Use-case name	Enrolling in Campus Day
Brief description	This describes the process for enrolling for Campus Day
Actor(s) involved	The person interested, the website
Basic flow of events	A person will access the Rose-Hulman website and begin filling out an application form. After completing the form correctly, an e-mail will be sent to the admissions staff detailing information about the student. Once the admissions staff verifies the information submitted is correct, he will be sent information regarding Campus Day
Alternate flow(s) of events	One alternate flow would be that the person does not fill out the form with the correct information. He will receive an e-mail from the admissions staff highlighting the errors the person may have made.
Pre-conditions to use case	The person has internet access and has an e-mail address.
Post-conditions of use case	The applicant will be receiving information about Campus Day
Special requirements	

6.4 Information Processing

Item	Value
Use-case name	Processing Information
Brief description	This describes how the Admissions staff processes the information when forms are submitted via the website
Actor(s) involved	The Admissions staff, the website, the person interested
Basic flow of events	When a person fills out and submits a form online, an e-mail is sent to the admissions office. The admissions office will begin to check the information to make sure it is correct. Once the information is verified, the admission staff will add the student to the admission's database.
Alternate flow(s) of events	One alternate flow would be that the person does not fill out the form with the correct information. The admissions staff will e-mail the individual with a specific question related to their form.
Pre-conditions to use case	The person has internet access and has an e-mail address.
Post-conditions of use case	The student will be added to the admission's database and will begin receiving information from Rose-Hulman Institute of Technology
Special requirements	

7. Other Product Requirements

7.1 Applicable Standards

The project will comply with W3C Html, CSS and PHP standards.

7.2 System Requirements

Since our application will be online, the only requirement is a standard web browser.

7.3 Licensing, Security, and Installation

Our application is being developed for a single client, so only server side installation will be required, and should only be necessary one time. There is no need for a client side installation since it will be web based.

7.4 Performance Requirements

The application shouldn't show any lag in between survey pages, load times should be comparable to the load times of any other webpage on the admissions site.

8. Documentation Requirements

An extensive user manual will be created for the admissions staff. It will cover not only documenting the workings of the system, but also how to update the application if, for example, the email address where survey information is sent needs to be changed. From a student's standpoint, no user manual will be required since the survey itself will walk them through the process.

8.1 User Manual

As described above, a manual will only be required for the admissions staff behind the scenes and not the client end users of the system.

8.2 Online Help

None Required

8.3 Installation and Configuration

Being a web based application there will be no installation or configuration required by the clients.