

# Supplementary Specifications

## Admissions Application Solution

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### Revision History

Date	Version	Description	Edited by
October 24, 2005	1.0	Initial Draft	Dave Bauman

## 1 Introduction

### 1.1 Purpose of the Supplementary Specifications

This document consists of Admissions Redesign requirements which cannot be described through use cases.

### 1.2 Scope

This specification applies to the Admissions Redesign project being developed by Team Runnermike.com, as coursework for CSSE 371 at Rose-Hulman Institute of Technology.

## 2 Functional Requirements

### 2.1 Prospective Application

The system will provide a simple survey style interface for prospective students to provide information to RHIT, and to request information in return.

### 2.2 Catapult Application

Catapult applicants will be able to apply for enrollment and enter all necessary information in the form of an online survey.

### 2.3 Campus Day Application

An form to sign up for RHIT Campus Day will be provided.

### 2.4 Alternate Survey Questions

The survey for prospective students will have optional questions which only some students will complete, such as the athletic department survey. The optional questions will only appear for applicable students.

### 3 Usability

#### 3.1 Source: Users

**Stimulus:** Simplify format of survey

**Artifact:** System

**Environment:** At runtime

**Response:** Only supplies question applicant is eligible for.

**Response Measure:** Other questions do not display.

#### 3.2 Source: Users

**Stimulus:** Keep survey efficient

**Artifact:** System

**Environment:** At runtime

**Response:** Wishes to advance to next page

**Response Measure:** Surveys respond in less than 1 second

### 4 Availability

#### 4.1 Source: External to the system

**Stimulus:** Unexpected Error

**Artifact:** Browser

**Environment:** Normal Operation

**Response:** No interruption of operation

**Response Measure:** No downtime

#### 4.2 Source: Internal to the system

**Stimulus:** Error with web server

**Artifact:** Server

**Response:** User must restart survey

**Response Measure:** Application restarts with survey

### 5 Performance

#### 5.1 Multiple Users

The system is only limited in users by the abilities of the server.

## 5.2 Data Verification

The data will be thoroughly verified for completeness, reducing the amount of work admissions has to do.

## 6 Modifiability

### 6.1 Well Documented

The code will be well documented and easy for future developers to understand.

### 6.2 Easily Expandable

The code must be implemented in a manner that it can be upgraded and fixed easily. All form content must be designed to be easily modifiable, especially for one with very little knowledge of the system.

## 7 Security

### 7.1 Admissions Viewable

The admissions staff will be the only people who will receive the submitted data.

### 7.2 Data Integrity

The Data will not only be verified for integrity, but also the scripts will be held to secure standards.

## 8 Testability

### 8.1 Source: Tester

**Stimulus:** Wants to test whether people can fill out the form.

**Artifact:** Forms on websites

**Environment:** System

**Response:** If program connection is valid, the program will proceed, otherwise the development team must find out why you can not fill in a certain form.

**Response Measure:** All forms are editable and can be changed

### 8.2 Source: Tester

**Stimulus:** Wants to whether the admissions office receives e-mails from each form.

**Artifact:** E-mail

**Environment:** Normal Operation

**Response:** This will test to make sure that e-mails are being sent when someone submits the form online.

**Response Measure:** The admissions office receives the e-mail.

**8.3 Source:** Tester

**Stimulus:** Wants to test whether the e-mails are more efficient

**Artifact:** The schedules

**Environment:** System

**Response:** Must check to see if the admissions office and the athletic department like the layout of the e-mails better.

**Response Measure:** E-mails can be printed off on one page

## 9 Design Constraints

### 9.1 Web Site Integration

The program must interface with the Rose-Hulman Institute of Technology webpage and also must be able to send e-mails out upon submission of the forms.

## 10 Documentation, Online Documentation, and Help System

### 10.1 Documentation

We will create documentation throughout our development that will be left with the admissions office upon completion. This will be a reference document for the admissions office to look at in case they do not understand precisely what we did.