

Donnervögel Consulting  
Streamlined Grading System

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### **Revision History**

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Added Academic Admin section.

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Created initial template.

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## Part I

# Functional Requirements

## 1 Role - The Muffin Man

### 1.1 Making Muffins

There is much to consider when making muffins.

#### 1.1.1 Choosing the Right Ingredients

Any Muffin Man knows the right selection of bacon can make or break a good muffin. Basically you can type whatever you want here and LaTeX will format it nicely for you.

#### 1.1.2 Mixing

Put your back into it.

#### 1.1.3 Into the Oven

Preheat your oven to  $\frac{1}{\pi} \sum_{i=0}^{\infty} e^i$  degrees.

### 1.2 Sellings Muffins

#### 1.2.1 Presentation

Ugly looking muffins won't get bought.

#### 1.2.2 A Good Store Front

People won't come into a shady looking place, no matter how good your muffins are.

#### 1.2.3 On Wit and Charm

When all else fails, hope you rolled a good CHA stat, and be a gentleman.

## **2 Role - The System Administrator**

## **3 Role - The Academic Administrator**

### **3.1 The Power of the Academic Admin**

The Academic Admin does not have any jurisdiction over the role of System Administrator. The Academic Administrator role assumes all functions of and can change/update any material provided by the following users:

- Assistant Academic Administrators
- Instructors
- TA/TMs

## **4 Role - The Assistant Academic Administrator**

## **5 Role - The Instructor**

## **6 Role - The Ta/Tm Markers**

## **7 The Login System**

## **8 The Database**

## **9 Logs**

There are two distinct types of logs: Academic Logs and System Logs.

### **9.1 Academic Logs**

The academic log contains all records of additions and changes to the academic records. The academic log documents grade and assignment modifications. The academic log is visible to every user excluding the Ta/Tm marker.

## **9.2 System Logs**

The system log contains a record of the systems tasks. It documents user sign-ins and system backup times. The system log is only visible to the System Administrator.

## **Part II**

# **Non-functional Requirements**

## **10 Test Section**

### **10.1 Test subsection**

## **Part III**

# **User Interface Mockups**

## **11 Login**

## **12 Marking**

## **13 System Admin Maintenance Panels**

## **14 Course Creation/Modification**

## **15 Assignment Management**

## **16 Test Suite**

The submitted code will be view-able side by side with the solution code. The code will be compiled on the server in an insulated environment. Only Python will be implemented for the prototype. The test suite will also allow a section for the marker to view and interact with the output of submitted code. stop the submitted code.

## **17 Student/TA Group Management**