

CS386 Software Engineering

Dr. Gerosa

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D 2.1 Vision Document

https://github.com/BreezeProject/Project-Breeze

**Group members:**

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Breeze

Vision

# Introduction

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | An unorganized and complicated system for organizing educational data |
| affects | Those students and teachers who rely on those systems |
| the impact of which is | Immense confusion and wasted time and effort to use |
| a successful solution would be | A simple, lightweight system that encourages uniformity of data presentation and ease of use. |

## Product Position Statement

|  |  |
| --- | --- |
| For | Teachers and educational organizations |
| Who | Need to keep educational data organized |
| The Breeze system | Is a system |
| That | Is easy to use and time/resource efficient. |
| Unlike | Systems such as Blackboard learn |
| Our product | Encourages effective use and is so easy to use, it is a breeze. |

# Stakeholder Descriptions

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Teacher | Professional teachers who use the system to interact with their students and interact with the education data involved with their role. | The teachers primary usage of the system will be in uploading education materials and grades that the corresponding students can view. |
| Student | People who use the system to view the educational data that their teachers create. | The student’s primary usage of the system will be in viewing the educational data that their teachers upload. |

## User Environment

The environment of the user depends on their role. For both roles the user will be using the system in an education setting, whether at home or in some café/library/office. The system will be on the internet, with the possibility of adding a mobile application in the future. Ease of access is a key feature, so the website must be easy to navigate and use for all users.

# Product Overview

## Needs and Features

|  |  |  |  |
| --- | --- | --- | --- |
| **Need** | **Priority (High 1- Low 7)** | **Features** | **Planned Release** |
| Grading system | 1 | Grades from all classes, sectioned by class, easy to see and easy to update for the teacher | R1 |
| Deadline Calendar | 3 | Calendar that automatically populates with due dates for all assignments for all classes. Must be easy to populate (not require the teacher to do anything extra) | R2 |
| Universal Class Organization | 5 | Each class must be organized uniformly. Starting at a home page, with the same sections for content to encourage all features to be used properly. | R3 |
| Quizzes | 4 | Online quizzes that can be (mostly) graded automatically (similar to BBlearn) | R2 |
| Email / announcement system | 7 | Systems should be merged together, any announcement sent should show up in system but also be sent by email to the class, and any email/message sent to the teacher through the system should be sent automatically to email. | R3 |
| Mobile compatibility | 6 | Website must be easy to use and nice looking though mobile browsers in addition to the normal browsers. | R3 |
| Uploading and viewing of content | 2 | Teachers must be able to upload content that the class can look at, and vice versa. | R1 |

# Other Product Requirements

|  |  |  |
| --- | --- | --- |
| **Requirement** | **Priority** | **Planned Release** |
| N/A | N/A | N/A |

**Group Participation:**

Steven Strickland - Document requirements and interpreting the results of past work.

Alexandre Lacy - Interpreting the results of past work and document completion.

Joshua Shaffer - Interpreting the results of past work and document completion.