

Canvas 2.0: Implementation

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ABSTRACT

This project is a second part of a larger project, following up on feedback from students on what they would like to see in an updated Canvas application. The two projects worked on based on feedback were a grade calculator and todo list.

TOOLS USED

The tools used for the two projects were as follows:

- Frontend
 - HTML
 - CSS
 - React JS
- Backend
 - Java
 - Spring boot
- Database
 - MySQL

My Classes		
Test Class 1	96.5%
Test Class 2	96.7%

The home page for the Class Grade Calculator, with each class name acting as a link to the assignments list

THE GRADE CALCULATOR

There's a page for each class that a student has with all of their assignments broken down into the different weight categories that they are a part of. If the assignment is graded it takes that into account and calculates your expected grade in the class based on the graded assignments. You can then also enter in grades for ungraded assignments to see what your grade would be like if you got a certain grade on an assignment.

Quizzes					40%
Name	Due	Score	Out Of	Status	
Test Quiz 1	Wednesday, February 9, 2022, 5:00 PM	<input type="text"/>	20	Ungraded	
Assignments					30%
Name	Due	Score	Out Of	Status	
Test Assignment 1	Wednesday, February 9, 2022, 5:00 PM	89	100	Graded	
Exams					30%
Name	Due	Score	Out Of	Status	
Final	Wednesday, February 9, 2022, 5:00 PM	<input type="text"/>	200	Ungraded	
Quizzes					N/A
Assignments					89%
Exams					100%
Total					96.7%

[Back to My Classes](#)

The class page for the class grade calculator

CLASS PAGE

The class page for the class grade calculator shows graded work arranged by type for easy finding. The score of completed work is unchangeable while the ungraded work has a text box that allows students to check how different scores would affect their grade. The calculator takes given theoretical scores and enters them into the weighted calculator to show how the given theoretical grade would affect the overall class grade.

Name	Priority	Class	Type	Due Date	
Reading			Reading	Wednesday, February 9, 2022, 5:00 PM	Delete
Quiz	!!		Quiz	Saturday, May 14, 2022, 12:00 PM	Delete
Discussion	!		Discussion	Sunday, March 6, 2022, 12:00 PM	Delete
Physics Homework	!		Homework	Saturday, February 12, 2022, 12:00 PM	Delete

Todo List home page

THE TODO LIST

The Todo List homepage displays a list of assignments that a student needs to get done. Each assignment has a name, class it belongs to, type of assignment, due date, and a priority listing. Each element can be used to sort by for the convenience of the student. Clicking on the name of a given assignment takes the student to the assignment details page where information about the assignment can be edited. From the assignment homepage, new assignments can also be added to the todo list. Finally, assignments can be deleted by hitting their corresponding delete buttons on the right hand side.

Name	Priority	Class	Type	Due Date	
Reading			Reading	Wednesday, February 9, 2022, 5:00 PM	Delete
Physics Homework	!		Homework	Saturday, February 12, 2022, 12:00 PM	Delete
Discussion	!		Discussion	Sunday, March 6, 2022, 12:00 PM	Delete
Quiz	!!		Quiz	Saturday, May 14, 2022, 12:00 PM	Delete

Todo List home page with items sorted by due date

Home

Add Task

Name

Due Date

Priority

Class

Type

MANAGING TASKS IN THE TODO LIST

As mentioned before, tasks are managed mainly from the homepage, allowing students to add, edit, and delete various tasks. Tasks are stored in a database that allows for the sorting of the tasks by their different attributes. Future work on this would possibly see the implementation of notifications, an editable notes section, or assignment descriptions.

Home

Edit Task

Name

Due Date

Priority

Class

Type