

ITS 362 – Distributed Application Development  
Lab 01 – JavaScript Programming  
Sharyl Riley  
January 26, 2022

**Objectives:**

1. To create a client-side application using JavaScript
2. To get familiar with the JavaScript development process
3. To learn how to program and debug in JavaScript
4. To learn to use JavaScript code and events to interact with HTML elements

**Tasks:**

Based upon what we learned, add JavaScript code and events to a grading HTML page so that all the calculations are done properly and correctly. You should be able to enter student scores for each category and then calculate a grade based on the percentage split. The grading criteria for the course are as follows.

Assessment	Number of Assessment	Max Points per Assessment
Lab assignment	10	25
Quiz	10	10
Exam	2	100
Project	1	100
Extra credit	1	25
Participation	15	5

Total earned % points = 30% of lab assignments + 10% of quizzes + 30% of exams + 20% of project + 5% of extra-credit + 10% of participation

The grade is determined using the table below.

Earned % Points	Grade
$\geq 90$	A
$\geq 80$ but $< 90$	B
$\geq 70$ but $< 80$	C
$\geq 60$ but $< 70$	D
$< 60$	F

Please pay attention to your **coding style**. At this point, you should have developed a good habit of writing professional type of programming code.

Please do not use any JavaScript frameworks/libraries which have not been covered in the course.

You should have at least 2 separate code files: html, and js. A .css file is not required but is still highly encouraged.

## Deliverables:

An electronic copy of all your code files and screen shots must be submitted to Brightspace. Please zip everything.

Final Grade Calculator

Enter Total Points For Assesemet Type

Assesemets	Total Points Received	Max points
Labs		125
Quizzes		50
Exams		200
Project		100
ExtraCredit		25
Participation		75

Calculate Final Grade

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Final Grade Calculator

Enter Total Points For Assesemet Type

Assesemets	Total Points Received	Max points
Labs	125	125
Quizzes	50	50
Exams	200	200
Project	100	100
ExtraCredit	25	25
Participation	75	75

Calculate Final Grade

Your final grade is: 105% The Letter Grade is: A

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File /Users/sharylriley/Desktop/ITS362/Lab/Lab01/lab01.html

Apps IVY Purdue Interesting SFS Crypto ITS330 ITS362 ITS364 ITS454 ITS472 Other Bookmarks Reading List

Update

# Final Grade Calculator

Enter Total Points For Assesemet Type

Assesemet	Total Points Received	Max points
Labs	100	125
Quizzes	40	50
Exams	170	200
Project	70	100
ExtraCredit	20	25
Participation	50	75

Calculate Final Grade

Your final grade is: 82.16666666666667% The Letter Grade is: B

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File /Users/sharylriley/Desktop/ITS362/Lab/Lab01/lab01.html

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Update

# Final Grade Calculator

Enter Total Points For Assesemet Type

Assesemet	Total Points Received	Max points
Labs	100	125
Quizzes	40	50
Exams	170	200
Project	70	100
ExtraCredit	1	25
Participation	50	75

Calculate Final Grade

Your final grade is: 78.36666666666666% The Letter Grade is: C

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Final Grade Calculator

Enter Total Points For Assesemet Type

Assesemets	Total Points Received	Max points
Labs	70	125
Quizzes	40	50
Exams	150	200
Project	70	100
ExtraCredit	10	25
Participation	50	75

[Calculate Final Grade](#)

Your final grade is: 69.9666666666667% The Letter Grade is: D

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Final Grade Calculator

Enter Total Points For Assesemet Type

Assesemets	Total Points Received	Max points
Labs	50	125
Quizzes	40	50
Exams	90	200
Project	70	100
ExtraCredit	10	25
Participation	30	75

[Calculate Final Grade](#)

Your final grade is: 53.5% The Letter Grade is: F

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