

CP1211 JavaScript Project - Details Phase 4 V-1

A - Project Overview

B – Phase 1 Details

C – Phase 2 Details

D – Phase 3 Details

E- Phase 4 Details

Z – Project Rules

CP1211 JavaScript Project - Details Phase 4 V-1

A - Project Overview (From Original Posting on D2L)

Project Overview

You will be generating a very basic Travel Agency booking site.

You will select a country that you wish to represent for this project that are in Europe, Asia or Africa.

Within this country select two cities that will be the focus of your travel agency.

For transportation you will select two methods of transportation to go from “St. John’s” to both of your cities.

Method of transportation may be any two of (Air, Boat, Car, Bus, Other).

Your basic 6 key points are

- (1) Country
- (2a) City 1
- (2b) City 2
- (3a) Transport 1
- (3b) Transport 2
- (4) Name of your travel company

Perform enough research to generate (1) Short 1 line description for each of these 6 points and (2) a paragraph for each of the 6 points. More details will be added as the project progresses.

Make the overall look look like an advertisement for your travel company.

Fabricate a nice history for your company. (Make up a logo using paint).

Project Deployment.

Project will be executed in phases.

This will serve to get you up and running quickly with marks being generated for each phase submitted.

Phase 1

Pre-JavaScript section.

Basic Web Site (1 page) with

- 1 graphics to represent each of your key 6 points
2. supporting text for your 6 key points. Will serve as an overview
3. small lists of features with bullet list or equivalent.
4. put your logo on the page

CP1211 JavaScript Project - Details Phase 4 V-1

Project overall marking matrix

Phase 1	Basic intro page	20
Phase 2	Enhanced Features	20
Phase 3	Script Processing	30
Phase 4	Enhanced Processing	30
		100

CP1211 JavaScript Project - Details Phase 4 V-1

B – Phase 1 Details

Additional details will be provided in this document to supplement the project overview.

It will include the documentation from the original plus the marking details.
The document will be upgraded as each phase is added.

(From the original document)

Phase 1

Pre-JavaScript section.

Basic Web Site (1 page) with

- 1 graphics to represent each of your key 6 points
2. supporting text for your 6 key points. Will serve as an overview
3. small lists of features with bullet list or equivalent.
4. put your logo on the page.

Phase 1 Marking

v1-1 corrected duplication and typos

Phase 1	Single Page Site	points
	1 Graphics for Country	2
	2 Graphics for 2 Cities	2
	3 Graphics for 2 Transportation	2
	4 Graphics for Company	2
	5 Logo	2
	6 Short Text that will be displayed for each graphics	2
	7 Use of 3 colors	2
	8 Use of 2 or more different <h> tags	2
	9 Company name in Title	2
	10 Your name in HTML	2

Convert to mark out of 20	20
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Ensure that your modifications do not damage your phase 1 work. You are permitted to enhance your phase 1 work to accommodate phase 2. Phase 2 has to be built on phase 1 work.

CP1211 JavaScript Project - Details Phase 4 V-1

C - Phase 2 Details

Details from D2L original posting

Upgrade

Each of the graphics will support the short or long version of the description.

Short – 1 line description, or Expand to paragraph description.

Technical description of upgrade requirements for Phase 2.

Each of the descriptions will have a toggle effect applied.

They will be independent of each other.

The default description displayed will be short version.

This will appear initially on the document.

A graphics such as the ‘minus’ or equivalent will be used to show that the line displayed is a minimized description.

When the graphics or line with the graphics is clicked, the description will expand to the longer paragraph version.

The line graphics will show ‘plus’ or equivalent showing that the longer text version is currently displayed.

This is consistent with class demonstrations of the ‘JavaScript Restaurant’ and the ‘FAQs’ example used by the author.

The larger images used from phase 1 remain visible for both the ‘minus’ and ‘plus’ version.

CP1211 JavaScript Project - Details Phase 4 V-1

Phase 2 Marking

Marking Matrix – Course Project

Phase 2	Single Page Site	points
	1 Initial Display with short desc	2
	2 Initial Graphics'minus'	2
	First Click	
	3 Longer Desc is visible	2
	4 Short Desc is not visible	2
	5 Line Graphic changed to 'plus'	2
	6 Sections are independent	2
	Second Click	
	7 Short Desc is visible	2
	8 Long Desc is not visible	2
	9 Line Graphics changed to 'minus'	2
	10 Larger Images Remain Visible	2
Total		20
	Convert to mark out of 20	20

CP1211 JavaScript Project - Details Phase 4 V-1

D – Phase 3 Details

This is the form phase.

The form is to be placed after all of the other phases.

The form will not have a “submit” button.

Phase 3 Form

First Input Section

Name

Passport

Credit Card

Second Input Section

Select City ☐ none ☐ City A ☐ City B

Select Transportation ☐ none ☐ Train ☐ Bus

Output Section

]

CP1211 JavaScript Project - Details Phase 4 V-1

Phase 3 continued.

The forms input sections.

Name – Full name of client.

Error checking – Valid Test – Must not be blank

Error display – use

Passport – Passport of client – 6 characters.

Error Checking – Valid Test – Start with a letter A-Z followed by 5 numbers.

Error display – use

Credit Card – Credit card of client – 6 characters

Error Checking – Valid Test – Start with number [1 to 9] followed by 5 numbers.

Error display – use

Radio Buttons (Select City and Select Mode of Transport)

Error Checking - A selection must be made from each category.

Error Display – use any means or equivalent technique.

Buttons

Process – will process the form. If an error is detected, no output section is not shown.

Reset – will reset the form, output section is not shown.

Output Section

All of the information from the input section is displayed in the output section in an orderly fashion.

CP1211 JavaScript Project - Details Phase 4 V-1

Phase 03 Marking

Phase 3	Single Page Site	points
	1 HTML - Name Set	1
	2 HTML - Passport Set	1
	3 HTML - Credit Card Set	1
	4 HTML Select City Radio	1
	5 HTML Select Trans Radio	1
	6 HTML Reset Button	1
	7 HTML Process Button	1
	8 HTML Output Section	1
	9 Validity Checking Name	3
	10 Validity Checking Passport	3
	11 Validity Checking Credit Card	3
	12 Validity Checking Radio	3
	13 Reset Button Operation	4
	14 Process Button Operation	6
Total		30
Convert to mark out of 30		30

CP1211 JavaScript Project - Details Phase 4 V-1

E - Phase 04 - Details

Project will be upgraded to a two page project.

The main page will require a rate structure to be posted.

This will include
cost of all combinations.

Travel by boat to City 1

Travel by boat to City 2

Travel by plane to City 1

Travel by boat to City 2

There should be 4 choices. This is for display purposes only.

CP1211 JavaScript Project - Details Phase 4 V-1

(1) Modifications to the main form. A re-labelling of the process button. Its function is to validate the data and copy the input data to the output area for display. It will also make the “book trip” button visible if the input data is valid. If the data is not valid, “book trip” will not be visible.

Phase 4 - Main Form

First Input Section

Name


Passport


Credit Card

Second Input Section

Select City ☐ none ☐ City A ☐ City B

Select Transportation ☐ none ☐ Train ☐ Bus



just a re-labeling
of the existing
button  Button is not visible until
pre-Process validation is
successful

Output Section

CP1211 JavaScript Project - Details Phase 4 V-1

The book trip button will use validated data from the Output section to be sent to booking.html page. (you may use a different name for your second page).


The booking trip button will do the following

- (1) gain access to validated data from the output sections
- (2) generate 3 data: City Choice, Transportation Choice, Name
- (3) Last it will activate the form's 'submit' and 'get' action to load booking.html page.

Second Input Section


Select City ☐ none ☐ City A ☐ City B


Select Transportation ☐ none ☐ Train ☐ Bus



just a re-labeling
of the existing
button

Output Section

 Button is not visible until
pre-Process validation is
successful



CP1211 JavaScript Project - Details Phase 4 V-1

Booking.html

Your Name

COMPANY LOGO

Your Booking is Confirmed

for: Name

City Selection:

Transportation Mode:

Total Cost:

There are no buttons or any action events required for this page. Only the document loaded listener is required.

The text boxes are to be 'disabled'

Decimal 2 places

On loading of this page the following activities will be required.

- (1) All 3 data will be read. City Choice, Transportation Choice, Name.
- (2) Calculations to determine Total Cost will be carried out in this form.
Follow your rate structure listed on the main page.
- (3) All 4 fields will be populated from the data and from calculations.

CP1211 JavaScript Project - Details Phase 4 V-1

Marking Sheet for Phase 04

Phase 4	Single Page Site	points	
	1 Main – Re-label Process to Pre-Process	2	
	2 Main – add Book Trip button	3	
	3 Book Trip – visible only on valid data	4	
	4 BookTrip – Listener	2	
	5 Book Trip – Read data	6	
	6 Book Trip – Generate data	15	
	7 Book Trip – activate form submit button	8	40
	Booking.html		
	8 HTML Name and Company Logo	2	
	9 Booking is confirmed text	2	
	10 Rows for 4 fields Labels and text box (disabled)	10	
	11 Document listener	4	
	12 Reading of Data	12	30
	13 populating of Name, City, Transport Mode	12	
	14 Calc Total Cost	10	
	15 Display of Total Cost (2 dec places)	8	30
	Mark out of 100	100	100
	Convert to mark out of 30	30	30

CP1211 JavaScript Project - Details Phase 4 V-1

Z-Project Rules

01. No use of innerHTML or outterHTML will be permitted in the project. Known security concerns regarding use of these functions/attributes will be applied.

02. DOM selections must be done from:
JavaScript document.querySelector()
or document.querySelectorAll() commands.
or from jQuery \$() commands.

03. No scripts are to be embedded in the HTML. All scripts must be in a separate documents as done in the demo codes.

End of document