

# Introduction to Web Design

## Class Activity #6

GROUP NAME: \_\_\_\_\_ PERIOD: \_\_\_\_\_ Part #: \_\_\_\_\_

**Standard:** BCS-FWD-1. Students will demonstrate an understanding of the planning, development, and implementation of web sites.

**Objective:** To compare and contrast mapped directions (pictorial) to sequential street directions in order to compare and contrast the benefits of writing algorithms and flowcharts for program design.

- Students will divide up into groups of no more than 4 students
- Each group will form a group name & include the group member names
- Groups will pick either Scenario I or II (groups must receive clearance through Mrs. Oden - 1<sup>st</sup> come ... 1<sup>st</sup> pick)
- Read & Follow the **DIRECTIONS** for Part I & Part II
- Submit project in 5 days to complete and submit... All projects submitted late will incur a 10pt deducted daily

### Part I:

#### **Scenario I**

Students from Clayton State University planned to visit Emory Labs in Atlanta After their tour, the group went to DeKalb Technical College for a picnic. Unfortunately, several students got food poisoning & the whole troop drove over to Rockdale Medical Center (on Milstead Avenue in Conyers), where they spent the rest of the evening.

- Directions:**
- Create a cover sheet including the group name with all its member name
  - Print off a blank map of Georgia including Clayton, Fulton, Rockdale and DeKalb
  - Using the highlighter provided, outline the route taken from the start of the day to the end
  - Include the interstates – I-20, I-75, I-85, I-625 and major streets off the interstates
  - Note all streets, directions & mileage
  - Use creativity and originality
  - Make sure font is large enough and readable
  - Make sure each county is color correctly
  - Create a user-friendly color key
  - Each group needs to complete the given questions
  - Each member of the group needs to sign their names on the map
  - Submit questions from Part III - A, highlighted map & a score sheet of written street directions
  - Hand in all materials bounded together when finished

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#### **Scenario II**

Students from DeKalb Tech College planned to go to Johnson Park off Ebenezer Road in Conyers for a picnic. Afterward they played nine holes of golf at the Bobby Jones course off of 216 West Wieuca Road Atlanta unfortunately; several students suffered injuries from flying golf balls, so the whole troop drove over to Southern Regional Medical Center (on Upper Riverdale Rd SW, Riverdale) where they spent the rest of the evening

- Directions:**
- Print off a blank map of Georgia including Clayton, Fulton, Rockdale and DeKalb
  - Using the highlighter provided, outline the route taken from the start of the day to the end
  - Include the interstates – I-20, I-75, I-85, I-625 and major streets off the interstates
  - Note all streets & mileage
  - Use creativity and originality
  - Make sure font is large enough and readable
  - Make sure each county is color correctly
  - Create a user-friendly color key
  - Each group needs to complete the given questions
  - Each member of the group needs to sign their names on the map
  - Submit questions from Part III - A, highlighted map & a score sheet of written street directions
  - Hand in all materials bounded together when finished

### Part II:

- Using the highlighted map with all the streets, directions & mileage provided by Mrs. Oden, follow the instructions.
- Each group should create an original sheet with the correct written street directions.
- Write down the step-by-step road directions
- Your steps should be based upon the created map given out by Mrs. Oden
- Be creative in design but accurate when creating your written directions
- The group should answer the questions from Part III - B about given highlighted maps

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## Class Activity #6

### Part III - A

GROUP NAME: \_\_\_\_\_ PERIOD: \_\_\_\_\_ Part #: \_\_\_\_\_

#### Part I & II Questions:

01) Which part did you find the easiest? (Please use back of paper if more space is needed)

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02) Would you rather receive literal directions (street listings) or a map? Why? (USE COMPLETE SENTENCES)

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03) What is an algorithm?

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04) How was this activity similar to following an algorithm?

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05) What characteristics of a good algorithm did your directions have? (Use complete sentence & the back if needed)

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06) What characteristics of a good algorithm did your directions not have that may have helped?  
(Use complete sentence & the back if needed)

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07) What is a flowchart? (Use complete sentence & the back if needed)

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08) How was this activity similar to following a flowchart? (Use complete sentence & the back if needed)

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09) What characteristics of a good flowchart did your directions have? (Use complete sentence & the back if needed)

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10) What characteristics of a good flowchart did your directions not have that may have helped?

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### GRADING RUBRIC

COMPLETED HIGHLIGHTED MAP INCLUDING ALL STREETS & MILEAGE	COMPLETED MAP POSSESS ALL COLORS & USER FRIENDLY	PROVIDES CREATIVITY & ORIGINALITY	PROVIDES A STEP BY STEP ROAD DIRECTIONS	ANSWERED QUESTIONS FROM PART III - A	ANSWERED QUESTIONS FROM PART III - B
WORTH 40 PTS	WORTH 35 PTS	WORTH 20 PTS	WORTH 25 PTS	WORTH 50 PTS	WORTH 30 PTS
8 16 24 36 40	7 14 21 28 35	5 10 15 20	5 10 15 20 25	10 20 30 40 50	5 10 15 20 25 30

TOTAL POINTS EARNED \_\_\_\_\_ / 200 POINTS

**Introduction to Web Design**  
**Class Activity #6**  
Part III - B

**EVALUATING GROUP:** \_\_\_\_\_

**GROUP BEING EVALUATED:** \_\_\_\_\_

**PART #:** \_\_\_\_\_

01) Did the given map provide clear and accurate directions? \_\_\_\_\_

02) Give some suggestions on how the directions can be improved? (USE COMPLETE SENTENCES)

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03) Using the definition given, do you understand how to use the algorithm? (USE COMPLETE SENTENCES)

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04) What are some suggestions you can give about using a good algorithm to follow the given map?

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05) Using the definition given, do you understand how to use the flowchart? (USE COMPLETE SENTENCES)

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06) How did the given map assist with following a flowchart? (Use complete sentence & the back if needed)

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