



School of Computing,
Electrical & Applied
Technology

HTML5 Test Semester 1, 2024

ISCG6420 IWD Task 1

Date:	Wednesday, 15 May 2024
Commencement Time:	06:10 PM
Time Allowed:	40 min
Marks:	34

Instructions:

1. This is semi-open book test. IWD demo website is closed.
2. There are 3 tasks in this test. Each task is 40 min, you need to upload each task after 40 min. Submission will be allowed for 10 min only. You should complete all the tasks. You should attempt all the requirements.
3. Code abstraction **is** allowed. You may create additional functions and data structures to assist with your tasks.
4. Please keep each test part in the corresponding folder, for example Part_1. Please save all files during the test frequently. In the end of each 40 minutes, re-name your folder with your name (example: Part_1_Joe_Bloggs), Zip this folder and submit.

Task 1

Canvas

34 MARKS

Instructions

1. Create an HTML file named boat.html. Define the canvas element with the following properties:

Width: 800px

Height: 500px

Border: Chocolate, solid, 10px.

Background: #FFFF80

(3 marks)

2. Create a JS file named boat.js and use it as a script source in boat.html. Write JavaScript code to draw one semi-circle with the following properties:

Colour: red;

Radius: 200

Border: 4px, #663300

The semi-circle represents a boat.

(4 marks)

3. Write JavaScript code to draw a square with following properties:

Size: 800x100

Fill colour: #00FFCC

The square should be representing a sea in the canvas. Please see an example in the next page.

(3 marks)

4. Write JavaScript code to draw two yellow circles (windows of the boat) with the following properties:

fill colour: yellow.

Border: 4px, #663300

Radius: 25

(4 marks)

5. Write JavaScript code to draw a blue semi-circle with the following properties:

Radius: 40

Border: 10px, stroke Style: "blue".

The semi-circle represents smoke from the boat.

(4 marks)

6. Write JavaScript code to draw a one rectangle with following properties:

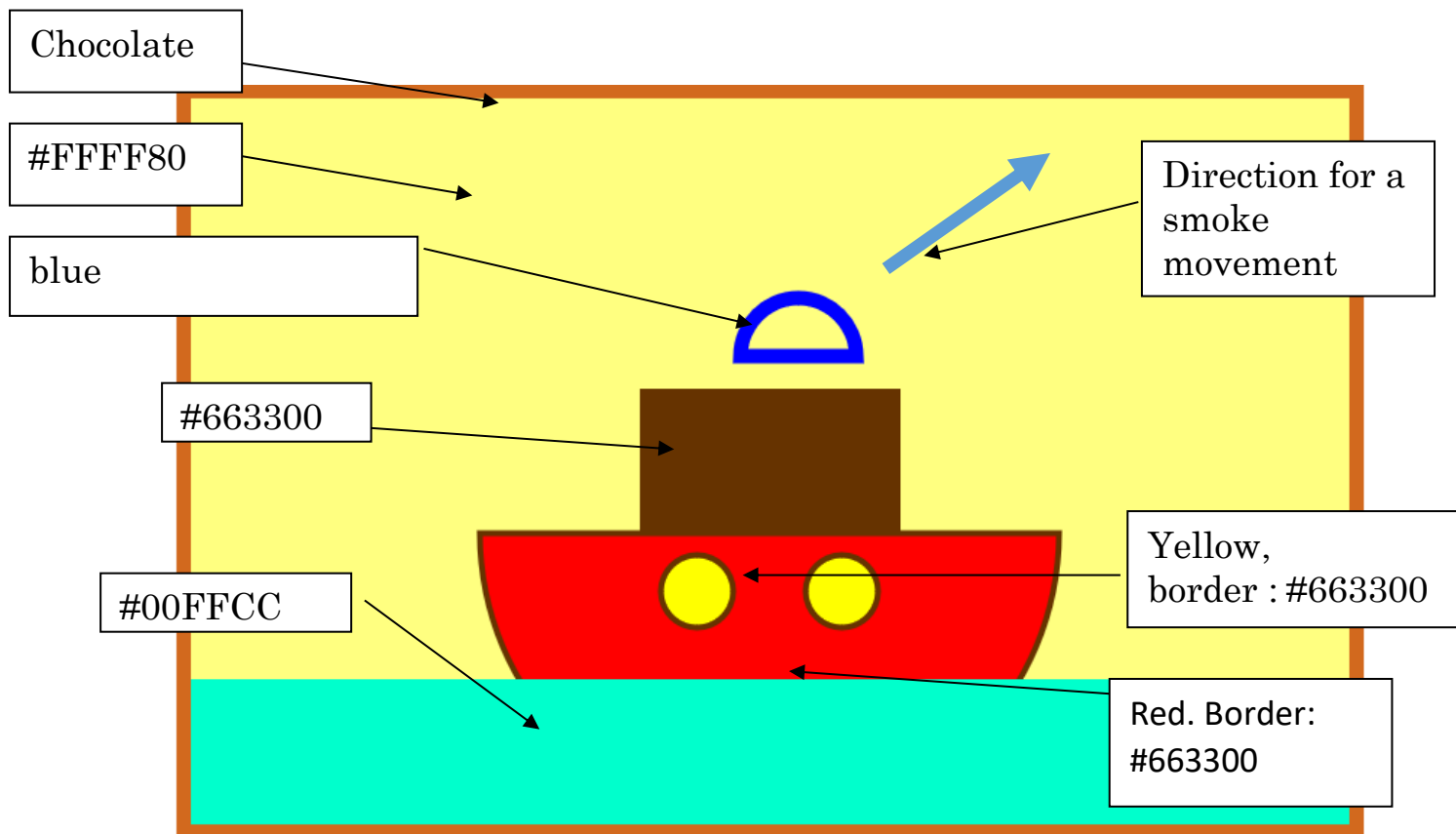
fill colour: #663300

Width=180;

Height=100;

The rectangle will be a cabin.

(4 marks)



10. Write code to move the smoke cloud up and right diagonally. Set interval (timer) to move the smoke cloud every 180 milliseconds. Remember to clear the area of previously drawn smoke semi-circle.

(12 marks)