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Quiz - HtDF　　　　　　　　　　　　　　　　　　　　Help

The **hard deadline** for this quiz is **Sat 14 Sep 2013 2:00 AM EDT (UTC -0400)**.

Consider these two problems:

(1) Design a function that consumes a string, and produces 2 times the length of the string.

(2) Design a function that consumes two images, and produces the taller one.

Your friend, who is also taking this course, attempted to design these functions, and is asking you to take a look at their design:

(1) `string-times2`

```
;; String -> Number
;; double str
(check-expect (string-times2 "cat") 6)


;(define (stub str) str)     ;stub


;(define (string-times2 str)
;  (... str))                ;template


(define (string-times2 str)
   (* 2 str))
```

(2) `taller-img`

```
;; Image -> Image
;; produce an image
(check-expect (taller-img ▭ ▮) ▮)


;(define (taller-img img1 img2) 0) ;stub


;(define (taller-img img1 img2)
;  (... img1 img2))                ;template


(define (taller-img img1 img2)
   (if (> (image-width img1)
          (image-width img2))
       img1
       img2))
```

Questions 1-5 will be about each step in the HtDF recipe for either `string-times2` or `taller-img`, so make sure you have read and understood both.

☑ **In accordance with the Coursera Honor Code, I (Christopher Edward Beattie) certify that the answers here are my own work.**   **Thank you!**

Question 1

The signature of the function `taller-img` is:

⦿ a) incorrect because the function actually consumes two images

⦿ b) incorrect because the function actually produces `Number`

⦿ c) both `(a)` and `(b)`

⦿ d) correct

Question 2

The purpose of the function `taller-img` is:

⦿ a) not good because it's not specific enough

⦿ b) not good because it's too wordy

⦿ c) both `(a)` and `(b)`

⦿ d) good

Question 3

The test of the function `taller-img`:

⦿ a) is incorrect because it produces the wrong result

⦿ b) does not provide complete code coverage

⦿ c) both `(a)` and `(b)`

    ○ d) correct

Question 4

The stub of the function `string-times2` is:

    ○ a) incorrect because it doesn't have the correct function name

    ○ b) incorrect because it produces a result of the wrong type

    ○ c) both `(a)` and `(b)`

    ○ d) correct

Question 5

`taller-img` function definition is:

    ○ a) incorrect because the function should have one parameter

    ○ b) incorrect because `image-height` should be used

    ○ c) both `(a)` and `(b)`

    ○ d) correct

Question 6

Since your quiz grade and feedback will be given to you as soon as you submit this quiz, it is important that you answer this additional question before you proceed:

I promise that I will not post answers to this quiz before the hard deadline on Friday September 13, 11:00 pm PDT (UTC -7).

    ○ Yes

    ○ No

☑ **In accordance with the Coursera Honor Code, I (Christopher Edward Beattie) certify that the answers here are my own work.**   **Thank you!**

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