

## **CSP Short Term Project 1 (Design a FAVICON)**

### **Description**

Students will work in small groups to design a FAVICON (icons that appear in the browser URL field).

### **Standards**

IT-PGA-2 Describe the software application life cycle and use a prototype development model to develop applications.

IT-PGA-4 Design, develop, and implement accessible and usable interfaces, and analyze applications for engaging the user.

### **Business Ethics**

Students will model work readiness traits required for success in the workplace including teamwork, multitasking, integrity, honesty, accountability, punctuality, time management, and respect for diversity.

### **Expectations**

Students are expected to use the skills and concepts learned in the course to design a FAVICON.

### **Objectives**

Students will design a 16 x 16 FAVICON.

FAVICON should be original and unique.

Students will share FAVICON for feedback.

FAVICON must be 16x16 pixels.

### **Project Time**

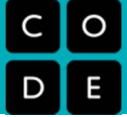
The project will take approximately 3 hours to complete.

### **Rubric**

50 points      FAVICON is 16x16

25 points      FAVICON is encoded in RGB using at least 12-bits-per-pixel

25 points      FAVICON is a discernable image and not merely a pattern



## Rubric - Personal Favicon Project

**Rubric:** Evaluate the success in creating a [favicon](#) according the following criteria.

100 pts.

Criteria	Yes	No	Comments
Favicon is 16 by 16 pixels	x		<u>Good job</u>
Favicon is encoded in RGB color using at least 12-bits-per-pixel	x		
Favicon is a discernable image, and not merely a pattern	x		

### Reflection Questions

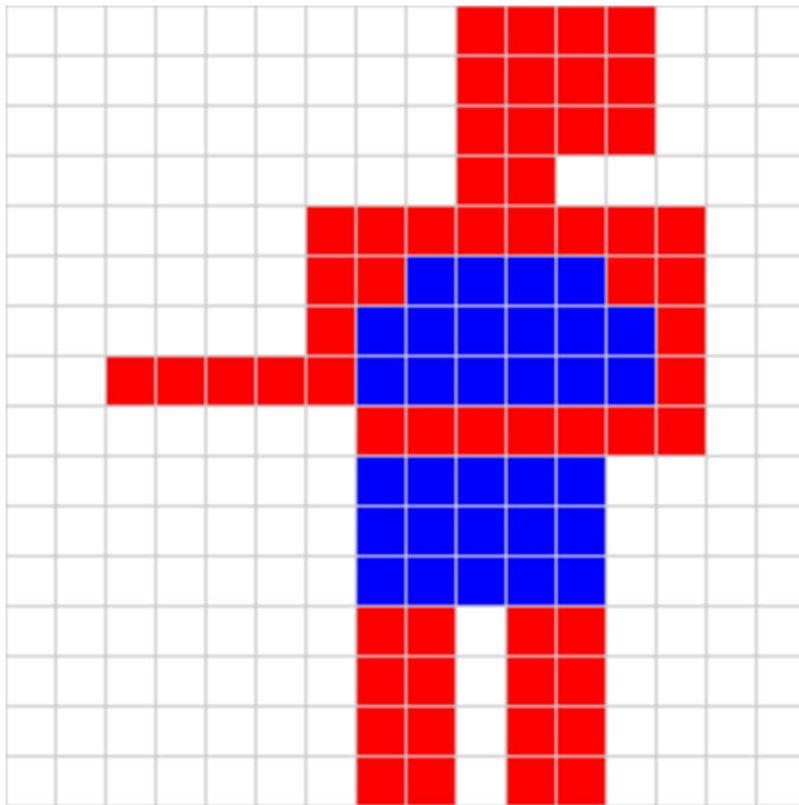
1. What are the potential benefits of using a greater number of bits in designing your favicon? What are the potential drawbacks?

The potential benefits of using a greater number

2. Your classmate claims, "Switching my favicon from binary mode to hexadecimal mode is be an example of compression". Do you agree with classmate? Justify your response.  
No, because hexidecimal is just another numerical format.

3. Explain what your personal favicon is a representation of and why you chose to create this particular image.

Spiderman, because I like the movies.



<link rel="shortcut icon"

href="data:image/png;base64,iVBORw0KGgoAAAANSUgAAAZAAAAGQCAYAAACAvzbMAAAgAEIEQVR4Xu2dQY7qyhIF3QvwHhgwZ0u9k6veSW8JeYpE78EL4Mvm0z2sSCSOUL544+K5iZOucGYB92NZlts8z9Or/lvXdf9fe40xYVmNGT1WtGJ1uUzz+czffHHlejrd70GvMSS3szo3a+GpKZpuwc/rtfr7XA4gOXPLfn5+dlf6DXG/GQ1ZvRY0YrV9/d0+Prib7648uffv/s96DWG5HZWn5/uV0NS07TdgwoEgNqWtNqwFDpKPZa5AmF5pESoQFgeCgRx2hfFNhM3dxRKqzwUCMtcgSBOyf3KDgRG0mrDUllo9VjmCoTloUAQJwWCMd0Xxm50N16UjHkgTH+1q0AQsNhZjiMslocJLMRJSXFMsnqGIQJB1BQlwhS9Bx1hwUx8qoag7Ag5qAcrBYKYKRCEsYFwTI6wZNXgl+gKBJWxAkGYFAjHpEBkpUBGNRDbeLt818QzkFFJ/UrKERZC5UE9xBR9+tku1uLLqnYgqLxillQgLA8P0REnNOWOSVbPsFgiJoCQZii96AdCMzEQ3QlykN0DspD9BorvweCeaX2KwUCI0kF0mYs02W8IHgfdiDoLrQDQZjsQDgmd9FI5SH6qAZiG6+H6KMoopt74mHUDgRF7iE6xNTuBknchJMdCCqvmAg9RGd5eliOOLkpkyyeoaVAkHUFAjCFL0H7UBGjp6BQFAeonNQHqLXWHmljnmI9isFAiNJBRIzmSQOhr0Gqqy9ruxAGCsFgjhti1L7lIQBkaQCUSAskFZ5KBAUuiMshMkRFsd0X9lqM/HJHcXfKnMfwjK3A0GcknuiHQiMpNWGpaRQ6rHMFQjLQ4EgTgoEY7IDKaKyWysAUyAcVmy8lPiuiR/jRcFv94cdCELLmAxicqRYAeWnsEq0YpJSiCiXXSDLstzmeUYveGbRuq77y7zGmJ6sxoweK1qxulym+Xzmb764cj2d7veg1xiS21kdj+5XQ1LTtN2DCgSA2pa02rAUOko9l rkCYXmkRKhAWB6bQK7X663Fv6ngwTAKPTbXNw+eh4fojJWH6lJtTih1nysQGEkqkO3PUejjUFrloUDGgW+bogJBnBQlXnRf2GozUSAo/VaZKxCWuQJBnJJ7oh0ljkTVhqWkUOqxzBUly00BIE4KBGOyAy mislSrAFMgHFZsvOT3QFAoqdq1A0FxoCaDmBwpVkd5PZASrZik/B4IysUvEiJMdkFTAqkCMtf4+XAFEiB1fYrz4FRtR0lzCTVEiZC9xos9FjmnoGgQBQlwhR9iFMgMJPYZhJ4alAgLPRY5goEBaJAECYFwjE5XpLVoYoAr1cgGFxuOxoeoqNQUrVrB4Li8BAdYoo+/bTppOxAUHnZgSBM0XtQgcBMUkZvsyk6ikOV5SE6wnTfFP0eClav2q8UCIwkFYgCYYG0ysMOBIWuQBAmOxCOyTMQWXkGMqqB2MabOJ9IXMPvgYxK6ldSdiAllWcgEFP06adNt2YHgsorJkIFwvLwXyREnNwUOSZZPcNKgSBqCgRhit6DdiAwk1Yzdw+4UeqxzBUly8NDdMRp/8CB30THrGkW2oxMFAgqtrRNOckQlocCQZwUCMbkiXoRlbtAFMgHFZsvOQhOgoIVbuOsFAcuZbQLocFkrpBIInnYgaDQY5LyEJ3I4SE64hQ9lIpsWI6wUPAxSSkQlocjLMTJERbG5AiriMoRVgGYAuGwYt2BlywUSqp2HWGhOBxhQUx2axVQ/oNSJVoxSTnCQrns/6DUisy3eZ7

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