**Julia Kovrigin** **CTP 103**

# Lab 3: Working with Graphics Questions – 50 points

Use this document in conjunction with the **Lab3-Working with Graphics Instructions.docx**. This is the document you will submit to the assignment dropbox. This will be the document you will submit.

##### WorkingWithGraphics_BrightSmilesLogoSection I: Bitmap Graphics – 30 points

###### Part 1 – Using Shapes in Word to create a Bitmapped Logo – 10 points

Note: The grade is determined by how closely the logo matches the original and that it is grouped properly

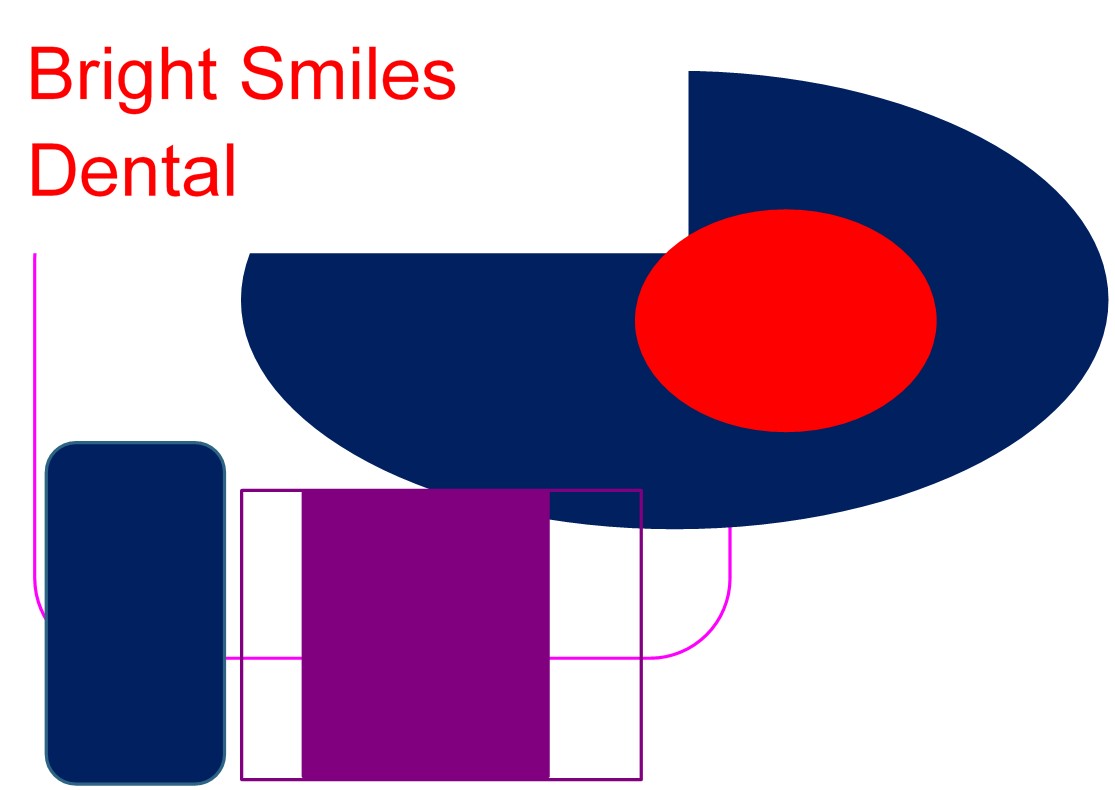
1. Enter your name and section number at the top of the page.
2. Create a folder named **LastName\_Lab3**. Save this document as **LastName\_Lab3\_Questions.do**cx in the folder you just created.
3. **Use the area below** to create the Bright Smiles Dental logo above per the instructions in the **Lab3-Working with Graphics Instructions.docx** Section I, Part 1. (The image below should be grouped – which is after the instruction in Part 1, #7 of the instructions. When the image is moved, all the objects should move together but you should be able to click on each individual object.)

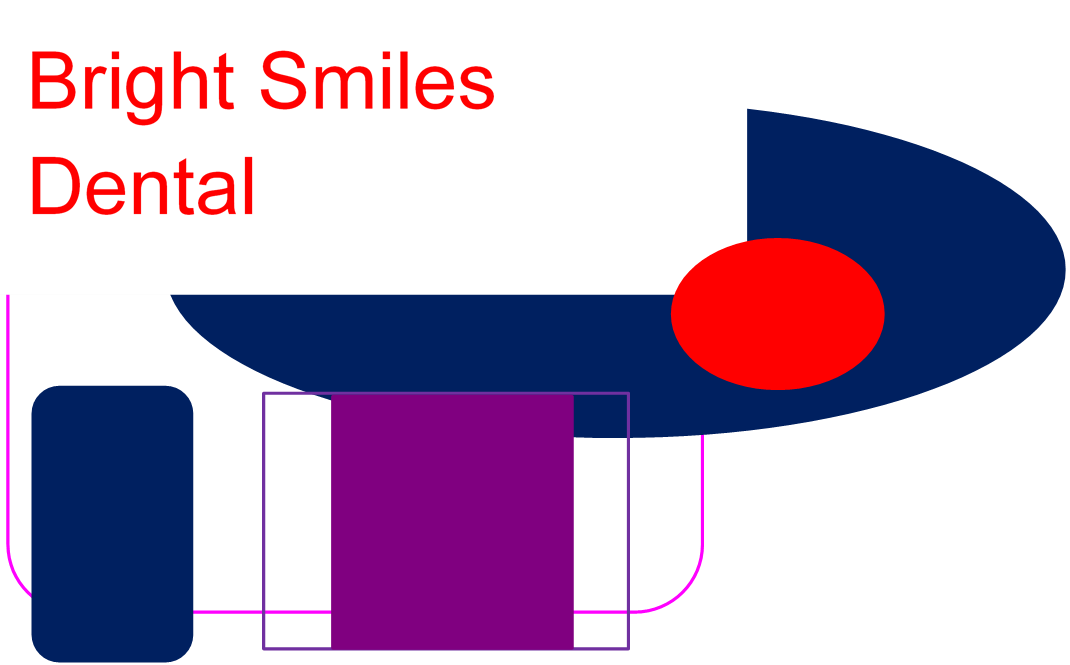
Bright Smiles Dental

Part 2 – Saving a grouped object as a JPG and a PNG image file – 9 points

Note: You will be submitting both the JPG and PNG images – you only need to post one below.

1. Following the instructions from Part 2, #1-2, use the **Paste Special** option to paste the image file below. Notice that you will no longer be able to click on individual objects. Note: you must paste the image in the space below. (5 points)

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1. Follow instruction #3 to save the image as a JPG file and again as a PNG file in your **LastName\_Lab3 folder**. Note: you do NOT paste any images below (2 points each)

###### Part 3 – Customizing the Logo – 10 points

Note: Your grade is determined on creativity and how many various effects/tools You used

1. Copy your finished logo (the one from Part 1 #1 above, the one with groups) below and ungroup the objects. Customize the logo per the lab instructions. Note: you will paste the logo you created from Part 1, #2 below, ungroup it, and then customize it according to the instructions.

Bright Smiles Dental 

1. Using **Paste Special**, copy and paste the custom logo as a JPG image below. Then right-click the image and save it as **LastName\_CustomLogo.jpg** in your **LastName\_Lab3** folder. Note: you must paste the image in the space below.



##### Section II: Image Properties – 5 points

1. Enter the file properties from the **General** tab. (Note: this is information about the file NOT the image)

|  |  |
| --- | --- |
| **GENERAL TAB** | |
| **Property** | **Value** |
| Type of file | JPG .jpg |
| Default program (Opens with) | Photos |
| Size | 27.6 KB (28,272 bytes) |

1. Enter the image properties from the **Details** tab. Notice how there is information about the Description (Title, Subject,

|  |  |
| --- | --- |
| **DETAILS TAB** | |
| **Property** | **Value** |
| Date and time picture was taken (not when the file was saved) | 9/23/2018 4:22 PM |
| Dimensions | 539 x 309 |
| Horizontal/Vertical resolution | 72 dpi, 72 dpi |
| Bit depth | 32 |
| How many colors can the image render? (Hint: the answer is related to bit depth and “true color”) | 16.7 Million |
| Camera Make and Model | none |
| ISO Speed | none |

##### Section III: Editing an Image – 8 points

List the features you used to edit the photo: Oil painting, dither, cartoon , round corners. Enhanced by improving color and tone.

Insert your edited copy of **LastName\_Photo1-cropped.jpg** below. Note: you will paste the image below and NOT include the image file in your submission.



##### Section IV: Removing Red Eye – 4 points

Insert the **LastName\_red-eye-corrected.jpg** image below. Note: you will paste the image below and NOT include the image file in your submission.



##### Section V: Bitmap vs. Vector Images – 4 points

|  |  |
| --- | --- |
| 1. Explain the differences between a bitmap and a vector image. | Bitmap graphics are pixel based and vector is a formula/command to draw lines and curves that can be combined to create and image. |
| 1. What happens when a bitmap image is resized into a larger image? | It will lose its quality |
| 1. List three vector file formats? | .eps, .svg and .ai |
| 1. List three bitmap file formats? | .jpg, .gif and .png |

##### Submission Instructions

Upload ***ONLY the following four files*** in a zipped folder named **LastName\_Lab3**, replacing YourLastName with YOUR last name, to the Canvas lab submission dropbox by the due date. (Do not include LastName\_Photo1-cropped.jpg or LastName\_red-eye-corrected.jpg)

1. LastName\_Lab3\_Questions.docx
2. LastName\_Bright Smiles Logo.png
3. LastName\_Bright Smiles Logo.jpg
4. LastName\_Custom Logo.jpg