**Project 4 -**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**Section 1 Execution Instructions:**

*Instructions for me to download and run your code. YOU NEED to show me screen shots of you doing this from your uploaded blackboard code.....this forces you to make sure that I can run your code. You MUST have the following screenshots AND give description on what to do: screenshot 1.1 = screen shot of your files uploaded to Project 1 turn in folder on blackboard*

FIGURE HERE
**screenshot 1.2 = directory view of "temp" directory you unzipped file to showing the unziped files and directory structures**.

FIGURE HERE
**screenshot 1.3 = Eclipse running where you have opened up project file in "temp" directory.**

FIGURE HERE
**screenshot 1.4 = Eclipse running the application - show screenshot of it running. If I must do something beyond simply hitting the "run" button, you need to give screenshots and step by step instructions.**

**Section 2 Code Descpription**

 *A describing how code is structured and the state of how it works. Give a describption for each filename listed.*

**Section 3 Testing**:

 *here you give screen shots of you running the various stages of the program as detailed here:*

**section 3.1: loading image** -

FIGURE HERE
screenshot 3.1a= pop-up file dialog box where you have selected the image you are going to load in your program.

FIGURE HERE
screenshot 3.1b= the image being viewed in your application that was just loaded.

**section 3.2: Blob Detection you need to discuss your results….where the blobs detected correctly …where the features for each blob correct.!!!**

FIGURE HERE
screenshot 3.2a = screen shot of active image in your application you are going to process

FIGURE HERE
screenshot 3.2b = screen shot of ROI , new active image, that you are going to process (OPTIONAL if did not do ROI option)

FIGURE HERE
screenshot 3.2c = screen shot after you do Process->Masses (or Process->Feature Detection when you don’t have 2 different menu options for 2 cases) showing BLOB results in scrollable window

DUMP XML here

Listing 3.2 XML file results from running Process->Masses on image in screenshot 3.2.1b

**section 3.3: Recognition**

you need to discuss your results….where the blobs recognized correctly !!!!!

FIGURE HERE

screenshot 3.3a = screen shot of active image in your application you are going to recognize (this may be an ROI)

FIGURE HERE

screenshot 3.3b = screen shot after you do Process->Recognize showing BLOB results (now with recognitionLabels !!!!) in scrollable window

DUMP XML here

Listing 3.3 XML file results from running File->Save CancerAnalysis after doing previous step.

**section 3.4: Visualization**

you need to discuss your results….is this what you expected...how do your visuals convey the feature data and their certainty and importance values!!!!

FIGURE HERE

screenshot 3.4a = screen shot of active image in your application you just recognized in secton 3.3.(this may be an ROI)

FIGURE HERE

screenshot 3.4b = screen shot after you do Process->Visualize (now with visualization) in scrollable window

**section 3.5: Visualization Control ......ONLY if you did the extra credit.**

you need to discuss your results….is this what you expected...how do your visuals convey the feature data and their certainty and importance values!!!!

FIGURE HERE

screenshot 3.5a = screen shot of active image in your application you just recognized in secton 3.4.(this may be an ROI)

FIGURE HERE

screenshot 3.5b = screen shot showing visualization controls after you do Process->Visualize (now with visualization) in scrollable window

FIGURE HERE

screenshot 3.5c = screen shot showing results of Blob Filters

FIGURE HERE

screenshot 3.5d = screen shot showing results of Importance Filter

FIGURE HERE

screenshot 3.5e = screen shot showing results of Certainty Filter

**Section 4 Comments**

Optional any comments you have regarding your code (necessary if you code is not working, you need to tell me in detail what the problem is or what is missing)