## **Grading Criterion for Term Project Phase II** Advanced Data Structures and Algorithms CS310, Fall 2010

tudent Name: TA: Binh Tran			
Part 1: Classification using WekaJ48 and Feature Selection Using Randomized         Algorithms (230 pts)         Write a Java program to do following tasks: classification using WekaJ48, feature         selection by a randomized algorithm on the real-world Mars data (230 pts)		Points	
		I	
1. Compiles and runs corr		1	
	when compiling and running the program ( <b>10 pts</b> ) re and the highest F1 score corresponding to that best	a b	
2. Code Review (190 pts)		2	
-	ts) orrectly the classification by using WekaJ48 to build a ng training data set train.csv	a	
<ul> <li>b. Feature Selection &amp;</li> <li>Implement a or that can achie</li> </ul>	<b>correct a randomized algorithm (140 pts)</b> correct a randomized algorithm to find the best feature eve the highest F1 score on test set ( <b>100 pts</b> ) of find the best feature ( <b>40 pts</b> )	b	
<b>3. Programming Style (10</b> Generating Javadoc, head indenting, well chosen va	der comment, no stale comments proper, consistent	3	
<b>4.</b> Testing (10 pts) Evidence of sufficient tes All functions in one run.	sting (examples of actual test results included, etc)	4	
<ul> <li>Part 2: Report no less than 200 words (70 pts)</li> <li>Well organized, between 60 and 300 lines, spell-checked (5 pts)</li> <li><i>Randomized Algorithm</i>: discuss the time complexity of the algorithm, prove it, and draw a flowchart of the randomized algorithm (30 pts)</li> </ul>		II	
	your choice of data structures and algorithm design (15		
	d solutions, IDE, UNIX problems, experiences in writing		
<ul> <li>Analysis of the experime</li> </ul>	ental results ( <b>10 pts</b> )		

1.	Missing README.TXT, javadoc files(-5 pts)	1
2.	Missing the program outputs (-5 pts)	2
3.	Unbounded homework (-5 pts)	3
4.	Incorrect submitted file name (-5 pts)	4
5.	No hard copies or soft copies (-300 pts)	5
6.	Missing citations/references (-300 pts)	6
	Total Points (300 pts max):	1

**Comment :**