

## Deliverable 2 Report

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## KEYWORDS

## Labeling Defective Classes

## 1 INTRODUCTION

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**Table 1: Equivalence classes and representatives of DiskChecker method**

Parameter	Equivalence Classes	Representatives
threshold	$vEC_1: 0 < warnThreshold \leq x < 1$	0,5
	$iEC_1: x \leq 0$	0
	$iEC_2: x \geq 1$	1
	$iEC_3: 0 < x < warnThreshold < 1$	1
warnThreshold	$vEC_1: 0 < x \leq threshold < 1$	0,5
	$iEC_1: x \leq 0$	0
	$iEC_2: 1 > x > threshold > 0$	0
	$iEC_3: x \geq 1$	1

**Table 2: Equivalence classes and representatives of checkDir method**

Parameter	Equivalence Classes	Representatives
dir	$vEC_1$ : Valid File object representing a valid (existent, readable and writeable) directory.	<code>new File("/home")</code>
	$iEC_1$ : Valid File object which not represents a directory, that is it can represent regular file, symbolic link, character device file etc.	<code>new File("./regularFile.txt")</code>
	$iEC_2$ : Valid File object representing a not existent and make-able directory.	<code>new File("./root")</code>
	$iEC_3$ : Valid File object representing a not existent and not make-able directory.	<code>new File("/root/")</code>
	$iEC_4$ : Valid File object representing an existent, readable, not writeable directory.	<code>new File("/root")</code>
	$iEC_5$ : Valid File object representing an existent, not readable, writeable directory.	<code>new File("/root")</code>
	$iEC_6$ : A null object.	null

**Table 3: Equivalence classes and representatives of getTotalDiskUsage, getTotalFreeSpace, getTotalDiskSpace methods**

Parameter	Equivalence Classes	Representatives
dir	$vEC_1$ : A valid non-empty List<File> object containing File objects every of which represents a valid (existent, readable and writeable) directory.	-
	$iEC_1$ : A valid non-empty List<File> object containing File objects every of which represents a not existent directory.	-
	$iEC_2$ : A valid non-empty List<File> object containing File objects every of which represents an existent, not readable and not writeable directory.	-
	$iEC_3$ : A valid non-empty List<File> object containing File objects every of which not represents a directory, that is it can represent regular file, symbolic link, character device file etc.	-
	$iEC_4$ : A valid empty List<File> object.	<code>new ArrayList&lt;&gt;()</code>
	$iEC_5$ : A null object.	null