**2013 Question 1: Download Info (9 points)**

| Total Scored out of 9 |  |
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**Part A: getDownloadInfo (4 points)**

Intent: Search download list for requested title and return matching DownloadInfo object if found.

+1 Accesses all necessary entries in downloadList (no bounds errors)

Identifies and returns matching entry in downloadList if it exists

+1 Calls getTitle on DownloadInfo object from downloadList

+1 Checks for equality between title from list object and title parameter

(must use String equality check)

+1 Returns reference to matching object if present; null if not

(point not awarded for early return)

**Part B: updateDownloads (5 points)**

Intent: Update downloadList with information from fist of titles

+1 Accesses all entries in titles (no bounds error for titles)

+1 Calls getDownloadInfo(title) to determine whether title from titles list exists in downloadList

+1 Increments the count in matching DownloadInfo object if title is in downloadList

+1 Constructs new DownloadInfo object (with correct information) if title is not in downloadList

(point not awarded if incremented at time of construction)

+1 Adds constructed object to end of downloadList if title is not in downloadList

(point not awarded if added more than once)

**Question-Specific Penalties**

-1 (g) Uses getLength/getSize for ArrayList size

-2 (v) Consistently uses incorrect array name instead of downloadList/titles

-1 (z) Attempts to return a value from updateDownloads