**PROG1781 – Programming Fundamentals: Fall 2020**

**Assignment 4 Rubric**

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| # | **Mark** | **Weight** | **Criteria** |
|  |  |  | **Start of program** |
| 1 |  | 2 | For loop used to prompt user for name of three brands and save to array named brand+<yourGroupInitials> |
|  |  |  |  |
|  |  |  | **Option A-Add new T-Shirt details** |
| 2 |  | 1 | Brand name and size requested using two separate requests |
| 3 |  | 1 | Brand name validated correctly – must be one of the three stored brands and user prompted to re-enter brand name if incorrect (note: if user enters DONE) returned to the main menu |
| 4 |  | 2 | Size validated correctly - Small (1), Medium (2), Large (3), XLarge (4) exception thrown if size less than 1 or greater than 4 - then user prompted to enter valid size |
| 5 |  | 1 | Brand and Size concatenated correctly in format Brand-Size (eg Fendi-1) |
| 6 |  | 2 | New brand saved correctly in the position of a deleted brand indicated by “NONE” |
| 7 |  | 1 | New Brand saved correctly in a new position |
| 8 |  | 1 | User Notified when record is saved. |
| 9 |  | 2 | User able to repeat option A until “DONE” is entered in the brand field (While loop used to perform task) |
| 10 |  | 2 | User able to repeat option A until 20 records are entered |
|  |  |  |  |
|  |  |  | **B - Edit existing T-Shirt details (Brand Name & Size)** |
| 11 |  | 1 | User prompted for brand information it must be entered in the format Brand-size (example Fendi-2) |
| 12 |  | 1 | If no record exists, the program must display " Brand record not found for that entry" |
| 13 |  | 1 | If record exists message displayed, then user prompted for new values |
| 14 |  | 1 | Data entry for editing brand information matches menu option A |
| 15 |  | 2 | Record updated correctly (replacing the value in the same position as old record) |
|  |  |  |  |
|  |  |  | **C - Display all T-Shirts in store (display the Brand Name & Size)** |
| 16 |  | 1 | All records for brand information displayed on screen. |
| 17 |  | 1 | User prompted to press enter to return to main menu |
| 18 |  | 1 | User returns to main menu after pressing enter. |
|  |  |  |  |
|  |  |  | **D - Delete existing T-Shirt details (Brand Name & Size)** |
| 19 |  | 1 | For option "D" ask the user for the brand entry they need to delete; it must be entered in the format Brand-size (example Fendi-2) |
| 20 |  | 2 | If no record exists program displays brand entry not found then return to main menu (algorithm checks for record correctly) |
| 21 |  | 1 | If record exists prompt user if they want to delete this record. |
| 22 |  | 1 | IF user Enters “Y” the bran information is replaced with the value “NONE” in the same record position. Then returns to main menu. (algorithm updates record correctly) |
| 23 |  | 1 | If user enters “N” return to the main menu |
|  |  |  |  |
| 24 |  | 5 | **Sample Test Plan**   * Show prior to corrections and then the test plan after corrections if necessary |
|  |  |  | Programming Standard deductions |
|  |  | **35** | **Total Marks** |