UCS 1312 Data Structures Lab

A2: List ADT using pointers and its applications

# Learning Experience

|  | **Technical Outcome.** | Rate yourself in the scale of 1 to 3  1 – Not confident, more practice required.  2 - Could modify available code but not able to write own logic.  3 - Proficient in Linked lists | Comments |
| --- | --- | --- | --- |
| 1 | Algorithm writing | 2 | Not used to the way of designing the algorithm. |
| 2 | List ADT | 3 |  |
| 3 | Use of linked lists in C | 3 |  |
| 4 | Compilation Errors correction | 2 | Improvement seen on correcting errors |
|  | **Best Practices** | | |
|  | Suggested by the Instructor | Rate yourself in the scale of 1 to 3  1 – Needs to improve.  2 - Inconsistent in applying  3 - Proficient with the practice |  |
| B1 | Design before coding | 2 | Need to think in terms of steps instead of code |
| B2 | Uniform notation for pseudo-code | 2 | Have to get more used to the way of writing |
| B3 | Verification of algorithm using Hand trace | 3 |  |
| B4 | Modular design and coding using versions | 2 | Working version needed to be provided |
| B5 | Avoid using break and global variables | 3 |  |
| B6 | Use better constructs for iterations | 3 |  |

# Overall Experience

* Application functions should make better use of ADT and methods