|  |  |
| --- | --- |
| **Application/ Program name:** | L2-2 |
| **Written by:** | Bailey Nichols |

|  |
| --- |
| **Purpose or problem definition:** |
| This program is written to demonstrate exception handling.  The prompt is:  *“Write a program that prompts the user to enter time in* ***12:00:00AM*** *thru* ***11:59:59PM*** *(12-hour notation). The program then outputs the time in* ***00:00:00*** *thru* ***23:59:59*** *(24 – hour notation). Your program must contain three exception classes: invalidHr, invalidMin, invalidSec. If the user enters an invalid value for hours, then the program should throw and catch an invalid HR object. Follow similar conventions for the invalid values of minutes and seconds.”* |
|  |
| **Program Procedures:** |
| The program will:   * Prompt user for entry of data on the format shown above(12 hr time) * Check for error using three exception classes: invalidHr, invalidMin, invalidSec * press any key to exit |
|  |
| **Algorithm/Processing/Conditions:** |
| **Inputs:** |
| Time in 12 hr notation |
| **Processes:** |
| Check for error and make the time 24 hr |
| **Outputs:** |
| Error messages and the time in 24 hr |
|  |
| **Notes & Restriction:** |
| See page 1023 in textbook |
|  |
| **Comments:** |
|  |