

CIS 415 Operating Systems

Assignment <#> Report Collection

Submitted to:

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Author:

<Your full name here>

Report

Introduction

In this section of the report, introduce the project in your own words. This section gages your overall understanding of the project. Delete all of these prompts in your final version. Plan on writing around 1-2 paragraphs for each section. Reports should typically be around 1-2 pages in length (not including your code). Fonts should be in Times New Roman, 12pt, with single spacing.

Background

In this section of the report talk, about what you know about the algorithm(s) or method(s) you are using. If you made some executive choices in what methods you use, then talk about them here. For instance, typically in systems development there are many ways to implement a system call or to manage threads and processes. Aim for about 1-2 full paragraphs. While doing background research, you may come across something that really helped you understand the topics cover under a project (i.e. system calls, threads, processes, scheduling, etc.), write about that here.

Implementation

Talk about your implementation of the project here. If there is anything nifty that you tried talk about it here too. If you had problems then talk about that here as well.

*You can use Notepad++ to copy in code snippets into your document if you want. Just highlight some code, right click and select **Plugin Commands -> Copy text with Syntax Highlights**.*

```
int someFunction(int param)
{
    /*some comment */
    int someVar = 5;
    someVar = someVar+param;
    return someVar;
}
```

Figure 1: Some Algorithm implementation

Performance Results and Discussion

Write about the performance of your project. Give any performance results using standard performance metrics here (i.e. if in the description we say the project needs to have certain output then measure the output of your code vs. that metric). Show output from the console or from your application here if necessary (as a picture or a table). If your code does not run to specification, then explain why here. We will be more understanding if your issues are well documented. If your code does not run, and there is no explanation in either your comments or report, then you're not leaving us with much choice concerning your grades.

Conclusion

Give any concluding remarks here. If you learned anything talk about that here as well. If you discovered anything interesting, then talk about it here too.

Code

*You can use Notepad++ to copy your code right into your document. Just **Ctrl-A**, **right-click** and select **Plugin Commands -> Copy text with Syntax Highlights**. Then in the document: **right-click** and select **paste -> Keep Source Formatting**. Otherwise just print out your code and staple it here. Please follow common programming conventions in your code: use descriptive variable names, don't overwrite built-ins or keywords, write your code in a modular format (use classes and functions), etc. In the doc string at the top include the trace folder where we can find your code. If in a group: only one person should put the code on trace and list their trace folder here.*

```

/*
 * Description: This is the sample code format for CIS 415.
 * Please follow this format and properly document your code.
 * Write a brief description of the program here.
 *
 * Author: <Your Name> (e.g. Jared Hall)
 *
 * Date: 09/22/2019
 *
 * Notes: <write anything you would like us to keep in mind when grading.>
 * Proper code documentation includes:
 * 1. Using a readable formatting.
 * 2. Adequate use of comments and white space.
 *    (Explain routines that are not immediately self-evident)
 * 3. Explanation attached to code blocks that do not work.
 *    (for partial credit)
 * 4. Keep the width of the program under 80 columns to avoid overwrap.
 *    (See the dividers below. I use these to help me with formatting)
 */

/*-----Preprocessor Directives-----*/
#include <stdio.h>
/*-----*/

/*-----Declarations-----*/

/* Variables */

/* Structs */

/* Functions */
int someFunction(int param);

/*-----*/

/*-----Struct/Enumeration Definitions-----*/
/*-----*/

/*-----Function Definitions-----*/
int someFunction(int param)
{
    /*some comment */
    int someVar = 5;
    someVar = someVar+param;
    return someVar;
}
/*-----*/

```

```
/*-----Program Main-----*/
int main() {
    int ret;

    printf("Some print statement. \n");

    ret = someFunction(10)

    print("Return value from function: %i", ret)

    return 0;
}
/*-----Program End-----*/
```