# REQUIREMENTS DOCUMENT

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| **Date Submitted:** | April 20, 2021 |
| **Application Title:** | Patient Charges |
| **Purpose:** | This program is designed to use the procedures and patient class to store information about three different patients that are undergoing three different procedures. The program should use the classes to distinguish between the patients and the procedures and print each patient to the console with their corresponding procedure. |
| **Program Procedures:** | The Program should only print out information to the console. The only thing the user has to do is run the program. |
| **Algorithms, Processing, and Conditions:** | 1. **The patient class:**  * Define the class. * Initialize the constructor. * Set each argument to the corresponding attribute with the same name. * Use the \_\_str\_\_ method to return a string indicating the objects state. * Setting the patient's first name * Setting the patient's middle name * Setting the patient's last name * Setting the patient's address * Setting the patient's city * Setting the patient's state * Setting the patient's zip * Setting the patient's phone number * Setting the patient's emergency contact * Setting the patient's emergency phone number * Getting the patient's first name * Getting the patient's middle name * Getting the patient's last name * Getting the patient's address * Getting the patient's city * Getting the patient's state * Getting the patient's zip * Getting the patient's phone number * Getting the patient's emergency contact * Getting the patient's emergency phone number  1. The procedures class:  * Define the class * Initialize the constructor * Set each argument to the corresponding attribute with the same name. * Use the \_\_str\_\_ method to return a string indicating the objects state. * Setting the procedure's name * Setting the procedure's date * Setting the procedure's practitioner * Setting the procedure's charge * Getting the procedure's name * Getting the procedure's date * Getting the procedure's practitioner * Getting the procedure's charge  1. Main Program: 2. Import each class 3. Define the main function 4. Create a variable that will store the day’s date 5. Store the information for the first patient into a variable 6. Store the information of the first procedure into a variable 7. Store the information for the second patient into a variable 8. Store the information of the second procedure into a variable 9. Store the information for the third patient into a variable 10. Store the information of the third procedure into a variable 11. Call a function to print out each of the patient’s information and each procedure’s information 12. Call the main function. |
| **Notes and Restrictions:** | The program is only able to use the information from three given patients and their corresponding procedures. |
| **Comments:** | The program uses classes to store the information that was printed. This allows the program to be organized and easy to read. |