EVENT-PLANNING DOCUMENT

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| **Program Name:**  Patient Blood Pressure Report | **Developer:**  Julie Moore | **Object:**  frmPatientBloodPressureReport | **Date:**  March 20, 2018 |
| OBJECT | EVENT TRIGGER | EVENT PROCESSING | |
| frmPatientBloodPressureReport | Load | Open the patient.txt file from the USB drive; use If…Else statements to handle possible errors when opening the file  Assign each line of the text file to array variables  Continue to read the text file until all items are assigned  If the text file is not available, display a message.  Declare a date variable and get the today’s date from the system.  Display the current date in a label | |
| ProgressBarStatusUpdate | Called Sub procedure | This method uses the timer to increment the progress bar value to display to the user that the patient data is being written to the patient.txt file. This method tests if there are 1 or more patients using the intCount variable that already counts the number of records in the file. If there are any patients, the status bar will increment by 10 until it reaches 100 and display the results in a status bar label and a label that displays the number of patient records written to the patient.txt file | |
| mnuDisplay | Click | Create an instance of the second Form object  Hide the first Form object  Show the second Form object | |
| mnuClear | Click | Restart the application | |
| mnuExit | Click | Close the application | |

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| **Program Name:**  Patient Blood Pressure Report | **Developer:**  Julie Moore | **Object:**  frmPatientInformation | **Date:**  March 20, 2018 |
| OBJECT | EVENT TRIGGER | EVENT PROCESSING | |
| frmPatientInformation | Load | Create a StreamWriter object and create a consult.txt file if it doesn’t exist on the USB drive  Loop through the arrays using a For Loop to obtain patient information  Display the patient information in a listbox using the string format from the override method of the Patient class.  Accumulate the systolic values to get the average patient systolic value  Determine if the patient’s systolic value is over 120  If value is over 120 add 1 to the accumulator variable, open the consult.txt file and using If…Else statements, write the patient record(s) to the consult.txt file  If the file doesn’t exist, display an error message  When the loop ends, display the number of records written to the consult.txt file in a label  Display the number of patients with high systolic values in a label  Display the average systolic value of all the patients in a label | |
| Patient | New Patient object declared | Patient class contains an override function that returns the string formatting for the listbox | |
| mnuDisplay | Click | Create an instance of the first Form object  Hide the second Form object  Show the first Form object | |
| mnuClear | Click | Restart the application | |
| mnuExit | Click | Close the application | |