Member Name	Tasks Performed	% of Contribution
Tyler Coleman	● ServiceRecords.java ● SummaryReport.java ● EftReport.java ● JUnit Tests	12
Quincy Gunnerson	● MainMenu.java ● Member.java ● MemberReport.java ● JUnit Tests	12
Zach Michaels	● MainMenu.java ● ProviderTerminal.java ● ProviderController.java ● ProviderDirectory.java ● Provider Manual ● ServiceRecords.java ● JUnit Tests	20.13
Cindy Qiu	● MainMenu.java ● Provider.java ● ProviderReport.java ● OperatorTerminal.java ● Operator Manual ● JUnit Tests	16.66
Jaylon Sanders	● MainMenu.java ● ModifyMemberRecords.java ● ModifyProviderRecords.java ● ReportController.java ● JUnit Tests ● BitBucket Organization ● Updated Diagrams (Class and Activity) ● Generating JavaDoc ● Generating ANT File	22.55
Sandy Zheng	● MainMenu.java ● Operator.java ● Manager.java ● ManagerTerminal.java ● Manager Manual ● JUnit Tests	16.66

User Manual

—-------------------------Cloning the Repo—-----------------------

1. Go to Eclipse and choose "File" -> "Import"
2. Open "Git" folder and select "Projects from GIT" -> "Clone URI" and paste the link below
3. git clone https://szheng8@bitbucket.org/tklocklear/fall2022team18.git
4. Compile the project (MainMenu)

—-------------------------Operator—-----------------------

-Once operator is selected from the main menu, the terminal will prompt you to enter your operator ID to verify.

-You will be given 3 tries to enter a valid provider before you will be exited from the system. If a valid provider number has been entered the system will print "Operator successfully verified.". Otherwise, it will output "Operator verification failed" and prompt you to re-enter an operator ID.

-Once verified, you will be able to perform actions to a member or provider or to exit back into the main menu. You will input which actor you want to perform actions on. You will input "member" to perform actions on a member or "provider" to perform actions on a provider. This prompt will repeat until "exit" is entered, which will then take the operator back to main menu.

-For both "member" and "provider" options you can:

1. Add a "member" or"provider"
   a. This requires you to input the new member's number, name, street address, city, state, ZIP Code, and email. If the member already exists in the system, then the terminal will not add the member and will output a message saying the member is already in the system. Otherwise, the member will be added into the system, and the terminal will output a member successfully added message.
2. Delete "member" or"provider"
   a. This requires you to input the number of the member or provider you wish to delete. If the system cannot find that member/provider number, the system will output a message saying the provider cannot be deleted since the member/provider is not in the system. Additionally, if their resignation status is not marked as resigned, the program will also not delete the member/provider. Otherwise, the system will output a member/provider successfully deleted message.
      i. To ensure that deletion goes surely, modify the records of the member/provider you wish to delete and set their resignation status as resigned. Then choose to delete the member/provider.
3. Modify a "member" or"provider"
   a. This requires you to input the number of the member/provider you wish to modify. If the system cannot find that member/provider number, the system will output a message saying the member/provider cannot be modified since the member/provider is not in the system.
   b. The program will then ask you to choose an option in order to modify a specific field.
      i. For modifying member fields, the following options are given:
         1. 1 for Member Name
         2. 2 for Member Number
         3. 3 for Member Street Address

4. 4 for Member City
5. 5 for Member state
6. 6 for Member Zip code
7. 7 for Member Email
8. 8 for Resignation Status
9. 9 to Save and Exit

ii. For modifying provider fields, the following options are given:
1. 1 for Provider Name
2. 2 for Provider Number
3. 3 for Provider Street Address
4. 4 for Provider City
5. 5 for Provider state
6. 6 for Provider Zip code
7. 7 for Provider Email
8. 8 for Resignation Status
9. 9 for Provider Consultations
10. 10 for Provider Fees
11. 11 to Save and Exit

iii. Next, the program will ask for your input as well as give the correct format for the input. If you do not follow this format, the program will inform you of your error and ask you to try entering again.
1. The correct format for all possible inputs include:
   a. For Member/Provider Name: 25 characters (no numbers or special characters)
   b. For Member/Provider Number: 9 digits
   c. For Member/Provider Street Address: 25 characters
   d. For Member/Provider City: 14 characters (no numbers or special characters)
   e. For Member/Provider State: 2 letters
   f. For Member/Provider Zip Code: 5 digits
   g. For Member/Provider Email: No character limit, but must contain only one '@' symbol.
   h. For Member/Provider Resignation Status: 0 for not resigned and 1 for resigned.
   i. For Provider Consultations: 3 digits
   j. For Provider fees: xxxxx.xx (where x are digits)
2. Once the correct format has been used, the program will prompt you with a success message telling you that your field has been updated.
3. If you want to edit another field for the same member/provider, simply choose another option when prompted.

iv. If you want to exit, choose option 9, and then the program will ask you if you want to save. Enter "yes" or "no.
1. If you enter "yes", the program will notify you that the changes have been saved and you will be returned back to the previous screen.

        2.   If you enter "no" the program will revert your changes and return you back to the previous screen.
4.   "Back" option to perform an action to a "member", "provider", or to go back to the main menu prompt.

Once entered back into the main menu, you will be prompted to select your 'role' (Manager, Provider, or Operator) again and also given the option to exit the system.

—------------------------Provider—------------------------

-Once provider is selected from the main menu, the terminal will prompt you to verify provider

-You will be given 3 tries to enter a valid provider before you will be exited from the system. If a valid provider number has been entered, the system will print "---Valid Provider Number—". Otherwise it will prompt again for a provider number, printing "Enter your provider number: "

-Once verified, you will be prompted to either request the provider directory or BillChocAn. If you enter 1, you will BillChocAn. If you enter 2, you will start to request the provider directory.

-If 1 is entered, the BillChocAn process begins with the following steps below:

1.   You will be prompted to enter the date of service, memberID and service code in that order.
2.   If the member ID is valid, "Valid Member" will be printed to the terminal. Otherwise, the system will allow you to either enter the member number again, or enter 0 to quit the BillChocAn process.
3.   Once a valid member ID is entered, the system prints out the service code description. If the description doesn't match the service provided, a new code can be entered. To keep the current service code enter 1, to change the service code enter 2. If the service code is incorrect, the system will print "INVALID CODE" and prompt for a new code or entering 0 to quit the BillChocAn process.
4.   After a valid code has been entered, the user will be prompted to enter comments up to 100 characters, which is optional
5.   From there all data is stored to service records, confirmed by printing "--- Stored to Service Records ---".
6.   Data including the current date and time, DOS, memberID number, service code and fee are printed to the terminal for the provider's personal records.
7.   If BillChocAn was completed, the user will be notified with the message "Bill ChocAn Completed". Otherwise "Bill ChocAn Exited" will be printed

-If 2 is entered, the Provider Directory is printed, which will print service codes with their corresponding descriptions and fees

-After either BillChocAn or Provider Directory are complete, the user will be asked if they want to exit or stay in the terminal to perform another request. By entering 1, they will be exited back to the main menu where you will be prompted to select your 'role' (Manager, Provider, or Operator) again and also given the option to exit the system. By entering 2, they will return back to the provider terminal where they are asked if they want to BillChocAn or Request Provider Directory

—------------------------Manager—------------------------

-Once 'Manager' is selected from the main menu, the user will enter the Manager Terminal which will prompt you to enter a Manager Number to verify.

-You will be given 3 tries to enter a valid Manager Number before you will be exited from the system.

-If a valid Manager Number has been entered, the system will print "---Valid Provider Number—".
Otherwise it will prompt again for a valid Manager Number, printing "Enter your Manager number: "
-Once verified, you will be asked which report you would like to request and you are also given the
option to exit the Manager Terminal to go back to the Main Menu.
-The Manager would be able to continually request another report before they choose to exit the Manager
Terminal.
-For requesting a report you can:

1. Request a Member Report:
    a. After being prompted with "Which report would you like to request?" and several
        different options, you can enter '1' to request a Member Report. You have three attempts
        to enter a valid option before being exited out of the Manager Terminal.
    b. The Member Report consists of
        i.   Member name (25 characters).
        ii.   Member number (9 digits).
        iii. Member street address (25 characters).
        iv.   Member city (14 characters).
        v.   Member state (2 letters).
        vi.   Member ZIP code (5 digits).
        vii. For each service provided, the following details are required:
              1. Date of service (MM–DD–YYYY).
              2. Provider name (25 characters).
              3. Service name (20 characters).

2. Request a Provider Report:
    a. After being prompted with "Which report would you like to request?" and several
        different options, you can enter '2' to request a Provider Report.
        You have three attempts to enter a valid option before being exited out of the Manager
        Terminal.
    b. The Provider Report consist of
        i.   Provider name (25 characters). Provider number (9 digits).
        ii.   Provider street address (25 characters). Provider city (14 characters).
        iii. Provider state (2 letters).
        iv.   Provider ZIP code (5 digits).
        v.   For each service provided, the following details are required:
        vi.   Date of service (MM–DD–YYYY).
        vii. Date and time data were received by the computer (MM–DD–YYYY
              HH:MM:SS). Member name (25 characters).
        viii. Member number (9 digits).
        ix.   Service code (6 digits).
        x.   Fee to be paid (up to $999.99).
        xi.   Total number of consultations with members (3 digits). Total fee for week (up to
              $99,999.99).

3. Request a Summary Report:

a. After being prompted with "Which report would you like to request?" and several different options, you can enter '3' to request a Summary Report.You have three attempts to enter a valid option before being exited out of the Manager Terminal.

b. The Summary Report lists every provider to be paid that week, the number of consultations each had, and his or her total fee for that week. It also lists the total number of providers who provided services, the total number of consultations, and the overall fee total are printed.

4. Request a EFT Report:
    a. After being prompted with "Which report would you like to request?" and several different options, you can enter '4' to request an EFT Report.You have three attempts to enter a valid option before being exited out of the Manager Terminal.
    b. The EFT Report contains the provider name, provider number, and the amount to be transferred to the provider.

5. Request to Exit the Manager Terminal to return to the Main Menu:
    a. After being prompted with "Which report would you like to request?" and several different options, you can enter '0' to return to the Main Menu.

You will continually be prompted with "Which report would you like to request?" and several different options until you have been exited from the Manager Terminal for providing three invalid input options or when you enter '0' to Exit the Manager Terminal. After exiting from the Manager Terminal, you will be prompted to select your 'role' (Manager, Provider, or Operator) again and also given the option to exit the system.