Use Case: Receives Report
Context: A ChocAn Member receives a report containing information related to the service.
Actors: ChocAn Member
Main Success Scenario:
1. The member receives one or more services during the week.
2. The system compiles all the information provided by the member.
3. The system sends a report to the member containing the members information and service information.
    3.1. The members information includes name, number, address, city, state, and ZIP code.
    3.2. The service information includes the date of service, provider name, and service name.
    3.3. When there is more than one service, the service information is included for each service provided.
4. The member receives the report.
5. The member verifies all the information is correct.

    Extensions:
    5a. The information is not correct.
        5a.1. The member sends the correct information to the software system.
        5a.2. The use case continues at step 3.

Use Case: Lookup service code **(change includes arrow on diagram)**
Context: The provider needs to confirm the service code matches the service.
Actors: Provider
Main Success Scenario:
1. The provider opens the Provider Directory
2. The provider locates the file containing all the service codes.
3. The provider opens the file containing all the service codes
4. The provider locates the service code that matches the service.
5. The provider records the service code.
6. The provider closes the file.

    Extensions: N/A

Use Case: Key service code
Context: The provider needs to confirm the service by keying in the service code.
Actors: Provider
Main Success Scenario:
1. The provider looks up the service code.
2. The provider selects the option to key in the service code.
3. The provider keys in the service code.
4. The system asks if the provider would like to verify the code with the ChocAn Data Center.
5. The provider selects an option to verify or not verify.
6. The system displays "Service code has been keyed in."
7. The provider saves the service code for later reports.
8. The provider closes the Provider Directory.

    Extensions:
    5a. The provider elects to not verify the service code.
        4a.1. The system doesn't verify the service code.
        4a.2. The use case continues at step 6.

Use Case: Verify Service Code **extends** Key service code
Context: The provider elects to verify the service code they have entered.
Actors: Provider, ChocAn Data Center
Main Success Scenario:
5.1. The provider chooses to verify the service code.
5.2. The ChocAn Data Center displays the name of the service related to the code entered.
5.3 The ChocAnData Center asks the provider to verify that the code matches the provided service.
5.4. The Provider verifies the keyed in code is correct.

    Extensions:
    5.2a. The Provider keyed in a nonexistent code.
        5.2a.1 The system displays an error message saying "Invalid code."
        5.2a.2 The use case continues at step 3.

Use Case: Record date of service

Context: The provider keys in the date of a service.

Actors: Provider (maybe involves members too. Update use case diagram)

Main Success Scenario:
1. The provider keys in the member number.
2. The system validates the number and displays Validated on screen.
3. The provider records the date the service was provided in the format of MM-DD-YYYY.
4. The system sends the date to the ChocAn Data Center.

    Extensions:
    2a. The system determines the member number is invalid.
        2a.1. The system displays Invalid on screen.
        2a.2 The use case continues at step 1.

Use Case: Verify Member

Context: The service provider wishes to verify the member's account.

Actors: Provider, ChocAn member, ChocAn Data Center

Main Success Scenario:

1. The service provider takes the ChocAn member's member card and scans the number.

2. The terminal contacts the ChocAn Data Center, which then checks to see if the member ID is valid.

3. The Data Center returns to the terminal the appropriate word on the one line display.

    3.1 In the case of a valid number, the word VALIDATED is returned.

    3.2. In the case of an invalid number, the text INVALID NUMBER is returned.

3.3.   In the case of a valid number with unpaid member fees, the text MEMBER SUSPENDED is returned.

Extensions:

1.1. The card reader fails to read the member id

1.1a. The card reader returns a message stating, "Cannot read card, please try again."

1.1b. The use case continues at step 1.

2.1. The terminal cannot contact the ChocAn Data Center.

2.1a. The terminal cannot contact the server

2.1b. The terminal displays a message stating, "Connection to the server cannot be established, please try again later."

2.1c. The use case continues at step 1.

Use Case: Billing Procedure

Context: The provider wishes to bill a member for a service.

Actors: Provider, ChocAn Data Center

Main Success Scenario:

1.   The service provider takes the ChocAn member's member card and scans the number.

2.   The terminal contacts the ChocAn Data Center, which then checks to see if the member ID is valid.

3.   The Data Center returns to the terminal the word VALIDATED.

4.   The provider enters in the date which the service was provided on, in the format of MM-DD-YYY.

5.   The provider enters in the 6 digit service code corresponding to the given service provided.

6.   The software checks the entered code against an internal database of service codes, and then verifies with the provider that the code given corresponds with the service provided.

7.   The provider enters in comments about the service provided.

8.   The software writes a record containing info.

9.   The software looks up the fee to be paid for that service and displays it on the terminal.

10.   The provider enters in to a form the current date and time, the date that the service was provided, the provider number, the member number, the service code, and the fee to be paid.

11.   At the end of the week, the provider totals the fees to verify the amount to be paid to that provider by ChocAn for that given week.

Extensions:

1.1. The card reader fails to read the member id

1.1a. The card reader returns a message stating, "Cannot read card, please try again."

1.1b. The use case continues at step 1.

4.1. The provider enters the date in an invalid format.

4.1a. The terminal displays a message stating, "The date format is invalid. Please enter a correct date format."

4.1b. The use case continues at step 4.

6.1. The provided service code does not exist.

6.1a. The terminal displays a message stating, "The provided service code does not exist. Please try again."

6.1b. The use case continues at step 6.

Use Case: Comment on Service **extends** Billing Procedure

Context: After a service, a provider wishes to comment on the service to keep a record.

Actors: Provider

Main Success Scenario:
     7.1 The service has been completed.
     7.2 The provider opens the software system.
     7.3 The provider finds the section to comment on the service.
     7.4 The provider writes the comments in the system.
     7.5 The system sends the comments to the ChocAn Data Center.
     7.6 The provider closes the software system.

     Extensions:
     7.4a. The provider does not provide any comments.
          7.4a.1. The provider leaves the section blank.
          7.4a.2 The use case continues at step 6.

Use Case: Write Record to Disk **extends** Billing Procedure

Context: The provider wishes to receive a directory of all service names, with corresponding service codes and fees.

Actors: ChocAn Data Center

Main Success Scenario:

8.1. The software makes a record

8.2 The record includes the current date and time, the date that the service was provided, the provider number, the member number, the service code, and the comments provided by the service provider, if there are any.

8.3 The software writes the record to a disk in the Data Center.

 Extensions:

N/A

Use Case: Request a Provider Directory

Context: The provider wishes to receive a directory of all service names, with corresponding service codes and fees.

Actors: Provider, ChocAn Data Center

Main Success Scenario:

1.   The provider requests the directory from their terminal.

2.   The terminal connects to the data center and pulls the given data for the specified provider, and compiles the list to be sent to the provider.

3.   The data center sends the compiled info over to the provider via an SMTP server.

Use Case: Main Accounting Procedure

Context: The ChocAn Data Center completes a weekly accounting procedure at midnight on Friday.

Actors: ChocAn Data Center

Main Success Scenario:

1.   The file of services for the week is read by the data center.

2.   A number of reports is provided for the week

>   a.   Each report made for each member who has consulted a ChocAn Provider that week contains the following info about the member: their name, their member number, their street address, their city, their state, and their zip code.

>>   i.   For each service provided, the following info is required: the date of service, the provider name, and the service name.

b.   Each report made for a provider who has billed ChocAn during that week receives a report containing the list of services they provided to ChocAn members, formatted in the same way which the provider's form is.

> i.   This report also includes a summary including the number of member consultations, as well as the total fee for that week.

> ii.   The total report contains the following information about the provider: their name, their number, their street address, their city, their state, and their zip code. For each service provided, the date of service, the date and time data were received by the computer, the member name, the member number, the service code, the fee to be paid, the total number of consultations with members, and the total fee for the week.

3.   All of these reports are sent to either the member or provider, respectively, via an SMTP server, sending these reports to the recipients via email.

4.   A record consisting of electronic funds transfer data is written to a disk for banking computers to ensure each providers bank account is credited with the appropriate amount.

5.   A summary report is sent to the manager for accounts payable via email.

a.   The report contains the following: A list of every provider to be paid that week, the number of consultations each provider had, and their total fee for that week, a total number of providers who gave services, the total number of consultations, and the overall fee.

b.   The report is then sent to the manager via an SMTP server sending the report to their email.

Extensions:

N/A

Use Case: Read the week's file

Context: The ChocAn Data Center needs to read all the weeks files as apart of the Main Accounting Procedure.

Actors: ChocAn Data Center

Main Success Scenario:

1. The Data Center opens the files containing all the information for the week.
2. The Data Center reads the files one by one.
3. The Data Center processes all the information and saves it.
4. The Data Center prepares the files for print.

   Extensions:

   N/A

Use Case: Provide and Print Reports

Context: Reports must be provided

Actors: ChocAn Data Center

Main Success Scenario:

1. The Data Center opens each file that is ready to print.
2. The Data Center prints each file one by one.
3. The Data Center sends each compiled file to an SMTP server, sending the reports to the recipient's inbox.

   Extensions:

   N/A

Use Case: Add member/provider

Context: The operator wants to add a new member/provider into the system

Actors: Operator

Main Success Scenario:
1. The operator opens the terminal.
2. They enter the member/provider's name.
3. They enter the member/provider's number.

4. They enter the member/provider's street address.
5. They enter the member/provider's city.
6. They enter the member/provider's state.
7. They enter the member/provider's ZIP code.
8. The member/provider is added into the system.

Extensions:
N/A

Extensions:
3a. Invalid number was entered.
3a.1. The user is not added.

Use Case: Delete member/provider

Context: A member has stopped using the service or has not paid their fees, or a provider has retired.

Actors: Operator

Main Success Scenario:
1. The operator opens the terminal to delete a member/provider.
2. The operator removes the member/provider from the ChocAn Data Center's software.

Extensions:
N/A

Use Case: Update records of member/provider

Context: The operator needs to update the records of a member/provider

Actors: Operator

Main Success Scenario:

1. The operator opens the terminal.
2. The operator inputs the number of the member/provider.
3. The operator updates the records of the member/provider.

Extensions:

2a. Invalid member/provider number

2a.1. The number the operator inputted was invalid or didn't match the proper member/provider.

2a.2. The use case resumes at step 2.