Use Case: Records Management
Context: A ChocAn Data Center Operator wants to manage records
Actors: Operator, ChocAn Data Center
Main Success Scenario:

1. The Operator logs into the terminal
2. The terminal authenticates the Operators login
3. The terminal displays several options to the Operator
4. The Operator chooses the addMember button
5. The Operator inputs the Member name (25 characters), Member number (9 digits), Member street address (25 characters), Member city (14 characters), Member state (2 letters), Member ZIP code
6. The terminal authenticates the information
7. The Member is added to the Record
8. The terminal returns to the option display
9. The Operator chooses the deleteMember button
10. The Operator inputs the Member's name
11. The terminal authenticates the information
12. The Member is deleted from the Record
13. The terminal returns to the option display
14. The Operator chooses the updateInfo button
15. The Operator inputs the name of the member to update, as well as the information they choose to update
16. The terminal authenticates the information
17. The Record is updated.
18. The terminal returns to the option display
19. The Operator chooses the addProvider button
20. The Operator inputs the Provider name (25 characters), Provider number (9 digits), Provider street address (25 characters), Provider city (14 characters), Provider state (2 letters), Provider ZIP code (5 digits)
21. The terminal authenticates the information
22. The Provider is added to the Record
23. The terminal returns to the option display
24. The Operator chooses the deleteProvider button
25. The Operator inputs the Provider's name
26. The terminal authenticates the information
27. The Provider is deleted from the Record
28. The terminal returns to the option display
29. The Operator chooses Quit
30. The terminal turns off

Exceptions:

2a. The Operators credentials are incorrect

2a. 1. The terminal tells the Operator that their credentials are incorrect

2a. 2. The terminal turns off

6a. The Member's information is incorrect

6a. 1. The terminal informs the Operator of the incorrect information

6a. 2. The Operator inputs the correct information

11a. The Member's information is incorrect

11a. 1. The terminal informs the Operator of the incorrect information

11a. 2. The Operator inputs the correct information

16a. The Member's information is incorrect

16a. 1. The terminal informs the Operator of the incorrect information

16a. 2. The Operator inputs the correct information

21a. The Provider's information is incorrect

21a. 1. The terminal informs the Operator of the incorrect information

21a. 2. The Operator inputs the correct information

26a. The Provider's information is incorrect

26a. 1. The terminal informs the Operator of the incorrect information

26a. 2. The Operator inputs the correct information

Use Case: Request Report

Context: The ChocAn Manager is requesting a copy of a report.

Actors: ChocAn Manager, Software

Main Success Scenario:

1. The ChocAn Manager selects “Request Report.”
2. The software fetches a list of updated reports.
3. The software displays the list of report titles on the screen in alphabetical order.
4. The ChocAn Manager finds the desired report and selects it.
5. The software fetches the selected report and displays it on the screen.
6. When the ChocAn Manager is finished with the report, he selects “Return.”
7. The screen returns to the main menu.

Exceptions:

6a. The manager selects “View Another Report.”

6a.1. The use case continues at step 2.

Use Case: Request Directory

Description: The provider is requesting a copy of the Provider Directory.

Actors: Provider, Software, Terminal

Activity:

1. The provider selects “Request Directory” on the terminal screen.
2. The software prompts the provider to enter their email address.
3. The provider enters their email address into the terminal and presses “Enter.”
4. The software fetches the attachment containing an alphabetically ordered list of service names and corresponding service codes and fees.
5. The software puts the attachment in an email composed to the email address that the provider previously entered and sends the email to the provider.
6. The screen prompts the user to confirm whether or not they received the email.
7. The provider selects “Confirm.”
8. The terminal returns to the main menu.

Exceptions:

7a. The provider selects “I did not receive the email.”

7a.1. The use case continues at step 2.

Use Case: BillingChocAn
Context: The provider needs to bill the member after the service has been provided.
Actors: Provider, software

Main Success Scenario:

1. The provider passes the card through the card reader or keys in the member number.
2. When the word Validated appears, the provider keys in the date the service was provided in the format MM–DD–YYYY.
3. The provider uses the Provider Directory to look up the appropriate six-digit service code corresponding to the service provided.
4. The provider then keys in the service code.
    4a. The software then displays the name of the service corresponding to the code (up to 20 characters) and asks the provider to verify that it is correct.
5. The software product now writes a record to disk.
6. The software looks up the fee to be paid for that service and displays it on the provider's terminal.

Exceptions:

1. The word validated does not appear after swiping the members' card or keying in their member number.
2. The Provider enters the wrong six-digit service code

Use Case: Weekly Report Generation

Context: At the ChocAn data center, an accounting procedure is initiated every Friday at midnight to generate various reports relating to ChocAn's services for the week.

Actors: ChocAn Software

Main Success Scenario:

1. The system observes that the time has reached midnight on Friday of the given week.

2. The system reads the file of services provided for the given week.

3. The system divides the file's information into two different categories of information: relevant data for member reports and relevant data for provider reports.

    3.1. For member reports, the system retrieves the member's name, number, street address, city, state and ZIP code as well as the date of service, provider and service name of each of the services the member received that week.

    3.2. For provider reports, the system retrieves the provider's name, number, street address, city, state and ZIP code. The system also organizes data by service it is attached to, including date of service, date and time data were received by computer, member name, member number, service code and fee to be paid for each service listed. The system also includes the total number of consultations with members and the total fee for the week.

4. The system compiles and sends the report to the respective member or provider as an email attachment.

5. The system writes a record consisting of electronic funds transfer (EFT) data and writes it to a disk so banking computers can ensure providers are adequately compensated.

6. The system generates a report for the accounts payable manager, including the information of every provider to be paid that week, the number of consultants each had and their total fee for the week.

7. The system compiles the total number of providers who provided services, the total number of consultations and the overall fee total for the week and prints them.

Exceptions:

1. If the ChocAn software is not operational, the process will not execute.

2. If disk is too full for EFT data, the program will stall until the disk is replaced or memory is found, upon the completion of either condition, the program will resume.