Use Case Descriptions

Use Case: Validate Member
Context: A provider wants to confirm that a member is valid to receive services
Actors: Provider, Member
Main Success Scenario: 1. Members hands provider card 2. Provider swipes card at ChocAn provider terminal 3. Data Center verifies member number 4. Provider terminal outputs "Validated" if member number is valid

Extensions:
  4a. If number is not valid, the reason is displayed
     4a.1. If number does not belong to a member, "Invalid number" appears
     4a.2. If fees are owed, "Member suspended" appears, meaning member status has been set to suspended

Use Case: Bill ChocAn
Context: ChocAn is billed after a health care service has been provided to a member
Actors: Provider

Main Success Scenario:
1. Call use case *Validate Member*
2. When the word "Validated" appears, the provider keys in the date the service was provided in the format MM-DD-YYYY
3. Provider uses the Provider Directory to look up the six-digit service code corresponding to the service provided
   3.1. Provider keys in the service code
4. Software displays the name of the service corresponding to code
   4.1. Software asks provider to verify that this is the service was provided
   4.2. Provider can enter comments about the service provided
5. Data Processing System writes a record to disk including:
     a. Current date and time (MM-DD-YYYY HH:MM:SS)
     b. Date service was provided (MM-DD-YYYY)
     c. Provider number (9 digits)
     d. Member number (9 digits)
     e. Service code (6 digits)
     f. Comments (100 characters) (optional)
6. Software product looks up the fee to be paid
   6.1. Displays it on provider's terminal
   6.2. Provider enters information
At the end of the week, the provider totals the fees to verify the amount to be paid by ChocAn for that week

Extensions: 4.1a. Provider has entered a nonexistent code, and Error message is printed

Use Case: Request Provider Directory
Context: Provider requests to be emailed a Provider Directory
Actors: Provider
Main Success Scenario: 1. Provider selects "Email Provider Directory" in their terminal 2. ChocAn Data Processing Center emails Provider Directory as an attachment
Extensions: None

Use Case: Generate Reports
Context: It is the end of the week or a manager has requested reports
Actors: Data Center, Manager
Main Success Scenario: 1. Every Friday at midnight, the main accounting procedure is run at the ChocAn Data Center 2. The procedure reads the week's file of services provided and prints a number of reports 3. Prints a number of reports
Extensions: 1a. Manager can also request reports to generate at any time, and the process will continue at step 2

Use Case: Generate Member Reports
Context: Member reports are requested
Actors: Data Center, Manager

Main Success Scenario:
1. Data Center or Manager requests Member Reports
2. Data Center extracts the member's:
   a. Name (25 characters)
   b. Number (9 digits)
   c. Address (25 characters)
   d. City (14 characters)
   e. State (2 letters)
   f. ZIP Code (5 digits)
   g. For each service provided:
      i. Date (MM-DD-YYYY)
      ii. Provider Name (25 characters)
      iii. Service Provided (20 characters)

Extensions: None

Use Case: Generate Provider Reports
Context: Provider Reports are requested
Actors: Data Center, Manager

Main Success Scenario:
1. Data Center or Manager requests Provider Reports
2. Data Center extracts the provider's:
    a. Name (25 characters)
    b. Number (9 digits)
    c. Address (25 characters)
    d. City (14 characters)
    e. State (2 letters)
    f. ZIP Code (5 digits)
    g. For each service provided:
        i. Date of service (MM-DD-YYYY)
        ii. Date and time data were received (MM-DD-YYYY HH:MM:SS)
        iii. Member name (25 characters)
        iv. Member number (9 digits)
        v. Service Code (6 digits)
        vi. Fee to be paid (up to $99,999.99)
    h. Total number of consultations with members (3 digits)
    i. Total fee for week (up to $99,999.99)

Extensions: None

Use Case: Generate Summary Report
Context: Summary Report is requested
Actors: Data Center, Manager

Main Success Scenario:
1. Data Center of Manager requests Summary Report
2. Data Center lists:
    a. Number of consultations provided in the last week
    b. Total fees for the week
3. Total number of consultations and fees are calculated

Extensions: None

Use Case: Add Member
Context: There is a new member in the ChocAn system that needs to be added
Actors: Operator

Main Success Scenario:
 1. Operator selects Add Member in the ChocAn software
 2. Software prompts operator to enter following information about member:
      a. Name (25 characters)
      b. Number (9 digits)
      c. Street Address (25 characters)
      d. City (14 characters)
      e. State (2 letters)
      f. ZIP Code (5 digits)

Extensions: 2a.1. If the name is blank or too long, alert operator the name is invalid and allow the operator to enter the name again.   2b.1. If the number is blank or too long, alert operator the number is invalid and allow operator to enter the number again.   2c.1. If the Street Address is blank or too long, alert operator the Street Address is invalid and allow operator to enter the Street Address again.   2d.1. If the City is blank or too long, alert operator the City is invalid and allow operator to enter the City again.   2e.1. If the State is blank, too long, or not a state, alert operator the State is invalid and allow operator to enter the State again.   2f.1. If the ZIP Code is blank or too long, alert operator the ZIP Code is invalid and allow operator to enter the ZIP Code again.

Use Case: Add Provider
Context: There is a new provider in the ChocAn system that needs to be added
Actors: Operator

Main Success Scenario:
 1. Operator selects Add Provider in the ChocAn software
 2. Software prompts operator to enter the following information about provider:
      a. Name (25 characters)
      b. Number (9 digits)
      c. Street Address (25 characters)
      d. City (14 characters)
      e. State (2 letters)
      f. ZIP Code (5 digits)

Extensions: 2a.1. If the name is blank or too long, alert operator the name is invalid and allow the operator to enter the name again.   2b.1. If the number is blank or too long, alert operator the number is invalid and allow operator to enter the number again.   2c.1. If the Street Address is blank or too long, alert operator the Street Address is invalid and allow operator to enter the Street Address again.

2d.1. If the City is blank or too long, alert operator the City is invalid and allow operator to enter the City again.

2e.1. If the State is blank, too long, or not a state, alert operator the State is invalid and allow operator to enter the State again.

2f.1. If the ZIP Code is blank or too long, alert operator the ZIP Code is invalid and allow operator to enter the ZIP Code again.

Use Case: Delete Member

Context: There is a member that wants to be removed from ChocAn system and services

Actors: Operator

Main Success Scenario:
1. Operator selects Delete Member in the ChocAn software
2. Software prompts operator for member number of the member to be deleted
3. Software displays member name and asks for confirmation
4. Member is deleted

Extensions:
3a. Member does not match the name that operator wants to delete
    3a.1. Operator selects cancel
    3a.2. Software returns to step 2

Use Case: Delete Provider

Context: There is a provider that wants to be removed from ChocAn system and services

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Main Success Scenario:
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Extensions:
3a. Provider does not match the name that operator wants to delete
    3a.1. Operator selects cancel
    3a.2. Software returns to step 2

Use Case: Update Member

Context: A member's information has changed, and needs to be updated

Actors: Operator

Main Success Scenario:
1. Operator selects Update Member
2. Software prompts operator for member number of the member to be updated
3. Software displays member name and asks for confirmation
4. Software prompts for which field to update, which includes all fields other than member name and number

Extensions:

3a. Member does not match the name that operator wants to update
3a.1. Operator selects cancel
3a.2. Software returns to step 2

Use Case: Update Provider
Context: A provider's information has changed, and needs to be updated
Actors: Operator
Main Success Scenario: 1. Operator selects Update Provider   2. Software prompts operator for provider number of the provider to be updated   3. Software displays provider name and asks for confirmation   4. Software prompts for which field to update, which includes all fields other than provider name and number

Extensions:
 3a. Provider does not match the name that operator wants to update
     3a.1. Operator selects cancel
     3a.2. Software returns to step 2

Use Case: Create EFT Report
Context: A new EFT Report needs to be created
Actors: Manager

Main Success Scenario:
 1. ChocAn Data Processing Center prompts manager for provider name to be entered into new EFT
 2. Prompts for provider number
 3. Prompts for the amount to be transferred
 4. System takes all of the inputted information and creates a new EFT file awaiting transfer that contains:
     a. Provider Name
     b. Provider Number
     c. Amount to be transferred

Extensions: None