

Use Case: Verify User

Context: A provider, operator, or manager is trying to access the software and they need to verify themselves

Actors: Provider, operator, manager

Main Success Scenario:

1. The software prompts for credentials.
 - 1.1 The software checks with ChocAn Data Center to see if the credentials are valid.
2. The software allows the user to move forward.

Extensions:

- 1.1.a The credentials are not valid.
 - 1.1.a.1 The software informs the user.
 - 1.1.a.2 The use case continues at step 1.

Use Case: Request Provider Directory

Context: A provider wants an alphabetically ordered list of service names and corresponding service codes and fees

Actors: Provider

Main Success Scenario:

1. Request Software Product for a Provider Directory
2. Receive Provider Directory as e-mail attachment

Extensions: N/A

Use Case: Verify Member

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

Actors: Provider

Main Success Scenario:

1. Slide member card through terminal card reader
2. Use terminal to verify member number with Data Center
3. Show validation message to member
4. Return card to member

Extensions:

- 3a. Number is invalid
 - I. Show display reason to member
 - II. Return card to member

Use Case: Bill ChocAn

Context: The provider wishes to bill ChocAn for the week.

Actors: Provider

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-YYYY.
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:

- 1a. The card reader fails to read the member id
 - 1a.1. The card reader returns a message stating, "Cannot read card, please try again."
 - 1b.1. The use case continues at step 1.
- 4a. The provider enters the date in an invalid format.
 - 4a.1. The terminal displays a message stating, "The date format is invalid. Please enter a correct date format."
 - 4b.1. The use case continues at step 4.
- 6a. The provided service code does not exist.
 - 6a.1. The terminal displays a message stating, "The provided service code does not exist. Please try again."
 - 6b.1. The use case continues at step 6.

Use Case: Edit Member

Context: When the operator wants to add or delete a member. Also, update the record of a member.

Actors: Operator

Main Success Scenario:

1. ChocAn Data Center runs interactive mode.
2. Operator access ChocAn Data Center.
3. Operator terminal prompts Operator to search for members by ID number or name.
4. Terminal Displays user.
5. Operator is prompted to either add, delete or update records of the member.
6. Operator selects the desired option.
7. Operator performs the desired option.
8. ChocAn Data Center saves Operator changes.
9. Operator terminal prompts Operator to search for members by ID number or name.

Extensions: N/A

Use Case: Edit Provider

Context: When the operator wants to add or delete a provider. Also, update the record of a provider.

Actors: Operator

Main Success Scenario:

1. ChocAn Data Center runs interactive mode.
2. Operator access ChocAn Data Center.
3. Operator terminal prompts Operator to search for providers by ID number or name.
4. Terminal Displays user.
5. Operator is prompted to either add, delete or update the record of the provider.
6. Operator selects the desired option.
7. Operator performs the desired option.
8. ChocAn Data Center saves Operator changes.
9. Operator terminal prompts operators to search for a provider by ID number or name.

Extensions: N/A

Use Case: Add

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

Use Case: Delete Records

Context: An operator is trying to Delete a member/provider's records

Actors: Operator

Main Success Scenario:

1. The Terminal prompts the operator to choose member, provider, or add.
2. The Terminal prompts the operator to enter member/provider information.
 - 2.1 Terminal communicates with the Data Center to confirm the information entered is valid.
3. The Terminal prompts the operator to choose update or delete records.
4. The Terminal prompts the operator to delete the member/provider's information
5. The Terminal prompts for the operator to confirm the deletion.
6. The Terminal sends the updated data to the Data Center.

Extensions:

- 2.1.a The information entered is not valid
 - 2.1.a.1 The Terminal informs the operator.
 - 2.1.a.2 The use case continues at step 2.
- 5.a The operator does not confirm the information

5.a.1 The use case continues at step 4.

Use Case: Update Records

Context: An operator is trying to Update a member/provider's records

Actors: Operator

Main Success Scenario:

1. The Terminal prompts the operator to choose member, provider, or add.
2. The Terminal prompts the operator to enter member/provider information.
 - 2.1 Terminal communicates with the Data Center to confirm the information entered is valid.
3. The Terminal prompts the operator to choose update or delete records.
4. The Terminal prompts the operator to enter the member/provider's updated information.
 - 4.1 The Terminal confirms that the information entered is of a valid type
5. The Terminal prompts for the operator to confirm the information.
6. The Terminal sends the updated records to the Data Center.

Extensions:

- 2.1.a The information entered is not valid
 - 2.1.a.1 The Terminal informs the operator.
 - 2.1.a.2 The use case continues at step 2.
- 4.1.a The information entered is not of a valid type
 - 4.1.a.1 The Terminal informs the operator

4.1.a.2 The use case continues at step 4.

5.a The operator does not confirm the information

5.a.1 The use case continues at step 4.

Use Case: Run Main Accounting Procedure

Context: The timer completes a weekly accounting procedure at midnight on Friday.

Actors: Timer

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 provider's 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: Request Individual Report

Context: A manager wishes to request one of the reports before the weekly update.

Actors: Manager

Main Success Scenario:

1. The manager is verified at his terminal.
2. The manager chooses between a user report or a system report.
3. The manager requests a specific report.
4. The system runs the specific use case for the selected report.

Extensions:

- 4.a: EFT Report Selected
 - 4.a.1: System Runs EFT Report.
 - 4.a.2: Use case ends.
- 4.b: Member Report Selected
 - 4.b.1: System Runs Member Report.
 - 4.b.2: Use case ends.
- 4.c: Provider Report Selected
 - 4.c.1: System Runs Provider Report.
 - 4.c.2: Use case ends.
- 4.d: Summary Report Selected
 - 4.d.1: System Runs Summary Report.
 - 4.d.2: Use case ends.

Use Case: EFT Report

Context: At the end of the week, the system populates the Electronic Funds Transfer data

Actors: Timer, Manager

Main Success Scenario:

1. Actor requests an EFT report.
2. Report file is started.
3. A list of the provider's names are compiled.
4. A list of the provider's numbers are compiled.
5. A list of the balances are compiled.
6. Report is returned to the requestor.

Extensions: N/A

Use Case: Member Report

Context: At the end of the week the system generates a report for each member who has received services from a ChocAn provider.

Actors: Timer, Customer

Main Success Scenario:

1. The timer is activated.
2. A member report file is created.
3. The member's personal information is written to file.
4. For each service received, the date of service, the provider name, and the service name are all written to file.
5. The report is sent to the customer via email.

Extensions: N/A

Use Case: Provider Report

Context: At the end of the week the system generates a report for each provider who has provided services that week.

Actors: Timer, Provider

Main Success Scenario:

1. The timer is activated.
2. A provider report file is created.
3. The provider's personal information is written to file.
4. For each service provided, the date of service, the date the info was entered, the member name, the member number, the service code, and the service fee are all written to file.
5. The total number of consultations and the total fee are written to file.
6. The report is sent to the provider via email.

Extensions: N/A

Use Case: Summary Report

Context: A summary report is given to the manager for accounts payable.

Actors: Manager, Timer

Main Success Scenario:

1. A report is drafted that includes each provider to be paid that week, the number of consultations each had, and his or her total fee for that week.
2. The total number of providers who provided services, the total number of consultations, and the overall fee total are printed.

Extensions: N/A