**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.
   1. In the case of a valid number, the word VALIDATED is returned.
   2. In the case of an invalid number, the text INVALID NUMBER is returned.
   3. In the case of a valid number with unpaid member fees, the text MEMBER SUSPENDED is returned.

**Extensions:**

* 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. 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:** 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.

**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
   1. 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.
      1. For each service provided, the following info is required: the date of service, the provider name, and the service name.
   2. 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.
      1. This report also includes a summary including the number of member consultations, as well as the total fee for that week.
      2. 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.
   1. 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.
   2. The report is then sent to the manager via an SMTP server sending the report to their email.

**Extensions:**

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