Project 1 - Use Case Descriptions

Use Case: Accounting Procedure

Context: At the end of every week, a timer set for midnight on Friday initializes the main accounting procedure for ChocAn at the ChocAn Data Center.

Actors: The end-of-week timer, ChocAn manager

Main Success Scenario:

1. The system timer recognizes that it is midnight on Friday and initializes the actions withing the main accounting procedure.
2. The system reads the week’s file of services provided by the ChocAn providers to the members.
3. The system sends each member who has received ChocAn services a member report, a list of services provided to that member, sorted in order of service date.

3.1. the report includes member name, number, address, city, state, ZIP code, and the date, provider name and service name of each service provided.

3.2. the report is also sent as an email attachment.

4. The system sends the provider report to each provider who billed ChocAn for their services that week.

4.1. the report includes the provider name, number, address, city, state, ZIP, date of service, date and time the data was received by the computer, member name, member number, service code, fee to be paid, number of consultations, and total fee for the week.

5. The system then creates the EFT record, the record of all electronic funds transfer data, and writes it to a disk

5.1. The banking software will later be used to accredit the provider’s accounts with the appropriate funds.

6. The system creates the weekly summary report and sends the report to a ChocAn manager.

6.1. the summary includes every provider to be paid that week, the number of consultations each provider had, and his/her total fee for that week.

6.2. the system prints a record of the total number of providers who provided services, the total number of consultations, and the total weekly fee.

Extensions:

1.a. The timer malfunctions and doesn’t signal the end of the day on Friday

1.a.1 The ChocAn Manager will go in and request the end-of-week accounting procedure manually to initiate the process.

1.a.2 the accounting procedure will continue from step 1 once the procedure is manually initiated.

Use Case: Create Member Report

Context: The system creates and sends (as an email attachment) to all appropriate members the report of all services each member received during that week.

Actors: The end-of-week timer, ChocAn manager

Main Success Scenario:

1. The system creates the report after reading in the data from the file of services.

1.1. The report contains data on includes member name, number, address, city, state, ZIP code, and the date, provider name and service name of each service provided.

2. The system sends the report with all appropriate data to each member who received services that week as an email attachment.

Exceptions:

2.a. The system doesn’t have a valid/correct email on file and cannot send the member report to the appropriate users.

2.b. The ChocAn manager will proceed to go into the system and enter the member’s desired email to receive the member report each week.

Use Case: Create Provider Report

Context: The system creates and sends (as an email attachment) a file to all providers who billed ChocAn that week for their services.

Actors: The end-of-week timer, ChocAn manager

Main Success Scenario:

1. The system creates the provider report after completing the member report and after reading in the data from the file of services.
   1. The report contains data on includes member name, number, address, city, state, ZIP code, and the date, provider name and service name of each service provided.

2. The system verifies the information/provider is correct by comparing with the order the data was originally entered into the system.

3. The system sends the report with all appropriate data to each member who received services that week as an email attachment.

Extensions:

2.a. The data was entered incorrectly into the provider report from the provider form and verification of the provider services fails.

2.a.1 The manager and provider will go into the system and review the report of services provided to manually verify the report.

3.a. The system doesn’t have a valid/correct email on file and cannot send the provider report to the appropriate users.

3.b. The ChocAn manager will proceed to go into the system and enter the provider’s desired email to receive the member report each week.

Use Case: Create EFT Report

Context: System documents all the financial data to be accredited to the providers for their weekly services.

Actors: End-of-week timer, ChocAn manager

Main Success Scenario:

1. After creating the member and provider report, the system compiles the week’s financial records and writes it to a disk.

1.1. The data includes the amount the provider is to be paid, their total fee for the week, and any other miscellaneous financial data.

2. The system then connects with the third-party banking software who ensures the providers are accredited with the appropriate funds in their accounts.

Extensions:

1.a. The file with the data could be deleted or corrupted in some fashion.

1.a.1. The ChocAn manager will go into the system and re-create the financial data file to then be sent manually to the banking software.

Use Case: Create Summary Report

Context: A report of the week’s services and financials is given to the manager

Actors: End-of-week timer, ChocAn manager

Main Success Scenario:

1. After the member, provider, and EFT report are concluded, the system compiles a summary report of the week.
   1. The summary includes every provider to be paid that week, the number of consultations each had, and his or her total fee for that week.
2. The system then prints a record of the total number of providers who provided services, the total number of consultations, and the overall fee total.

**Project 2 Use Case Scenario**

Use Case: Validation

Context: The login process for all users of the ChocAn system

Actors: Provider, Manager, ChocAn Operator

Main Success Scenario:

1. Before accessing system, the respective user is prompted with a login screen
   1. The Login screen consists of prompts for a username and a password. E-mails must be in the form [username@email.com](mailto:username@email.com), and a specific password must include 8 characters, and uppercase letter, and a special character.
2. Once valid information is entered, the user is presented a menu based on their specific role in the system.
3. Users use the system for their respective purpose
4. User logs out of the system from the main menu.

Extensions:

1. User inputs invalid login information
   1. System informs user that their information is incorrect and sends the login prompt once again.
2. User forgets to log out of system
   1. System has timeout system that will automatically log an inactive user out and return to login screen.