



Lakehead
U N I V E R S I T Y

ESOF 2670 - Mini Project

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Chocoholics Anonymous project

Abhinav Thakur (0903273)

Instructor - Dr. Ayman Alahmar

This document includes the requirements workflow for the Chocoholics Anonymous project given in Appendix A.

***Index.....***

1. The glossary for Chocoholics Anonymous.....3

2. The use case diagram5

3. Description of Use Cases.....6

4. Resources.....11

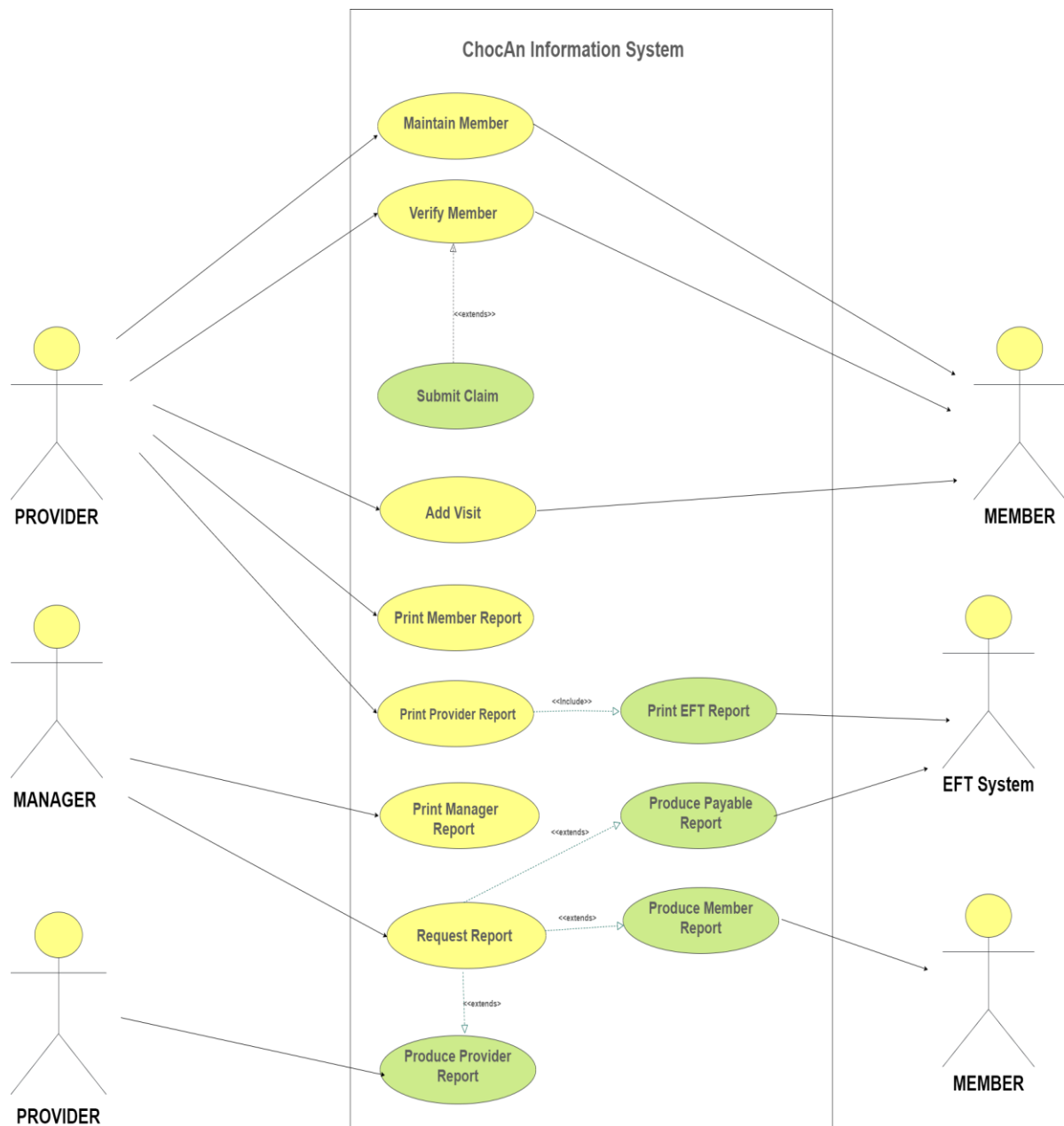
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1. The Glossary:

Accounts Payable	Money that ChocAn must pay to providers for services rendered to the members.
Accounting System	An information system to be developed by Acme Accounting Services which will be responsible for financial procedures related with members' fees.
Accounting Procedure	A standardized process that is used to perform a function within the ChocoAn accounting department.
Addiction	An over compulsion or excessive physical or psychological dependence on some substance such as drugs.
Chocolate	Sweet eatable made from ground cacao beans.
Chocoholics Anonymous	An organization dedicated to helping members overcome addiction to chocolate in its all-glorious form
ChocAn Data Center	The physical facility where the main computer (server) of ChocAn is kept.
Internists	Specialist in internal medicine.
Manager	A management position member in the organization of ChocAn , who keeps information about all the services provided to members during a certain week and all financial things.
Operator	A member of the staff of ChocAn who has the role of maintaining the information about members and providers.
Claim	A demand for money due to a provider for the provided services.
Dietitian	A medical expert on diet and nutrition.
Electronic Funds	The transfer of money between bank accounts using electronic systems such as electronic bill payments or Interac.
EFT Component	This component will make sure that each provider's account is assigned with the correct amount.
Exercise Specialist	Exercise specialists are fitness trainers who create exercise plans designed to improve health for clients.
Member Number	9-digit number that uniquely identifies a ChocAn member.
Member Status	The status of a member indicates that if the member is the part of ChocoAn or not.
Membership Fee	A monthly amount of service fees that a member must pay to ChocAn to enjoy the services given by ChococAn.
Provider	A health-care professional who provides services to ChocAn members. Before providing a service, the provider can verify that the member has a valid membership card, and is not suspended. After providing a service to a member, the provider bills ChocAn by submitting a claim.
Provider Number	9-digit number that uniquely identifies ChocAn provider.
Provider Type	The type of healthcare professional such as dietician or internist.

Scheduler	A machine that organizes or maintains schedules. The times set for ChocoAn are midnight on Fridays.
Service	A type of a treatment or session with a provider.
Service Code	6-digit code that uniquely identifies a service.
Treatment	Medical Care given for an illness or injury.
Validation	The action of confirming the member's number and that the member has paid all dues.
Visit	The day on which the services are provided to a member.

2. Use Case Diagram:



Use cases Description:

1.

Use case name:	Maintain Member
Main Actor:	Provider
Scenario:	Provider can enter new member data or update existing member data.
Step-by-step description:	<p>The provider enters or updates data given by the member:</p> <ul style="list-style-type: none">• Name• Address• City State• ZIP code• Date of last payment• Status (Active, Inactive, or Suspended)

2.

Use case name:	Verify Member
Main Actor:	Provider
Scenario:	Provider can validate a member's status by entering the member number into the system.
Step-by-step description:	<p>Step 1: The provider enters the member number that is to be validated.</p> <p>Step 2: The information system tells the provider about the client's status.</p>

3.

User case name:	Submit Claim
Main Actor:	Provider
Scenario:	Provider can bill ChocoAn for a service provided to a member.
Step-by-step description:	<p>Step 1: The provider enters:</p> <ul style="list-style-type: none">• Service date• Provider number• Member number• Service code• Comments <p>Step 2: The system verifies that the service code exists.</p> <p>Step3: The provider validates the service.</p>

4.

Use case name:	Add Visit
Main Actor:	Provider
Scenario:	Provider can input details about other member's visit into information system.
Step-by-step description:	<p>Step 1: The provider inputs the member number.</p> <p>Step 2: The ChocAn information system checks if the member number is valid.</p> <p>2a) If correct the provider inputs the provider number.</p> <p>Step 3: The following details are stored by the ChocAn information system:</p> <ul style="list-style-type: none"> • Current date and time • Date of visit • Provider name, number, and type • Member name and number • Service code • Service name • Description of visit • Additional comments

5.

Use Case Name:	Print Member Report
Main Actor(s):	Provider
Goal:	Provider can print a list of all the services provided to a member during a certain week.
Step-by-step description:	<p>Information system prints a report of all visits by each member during the current week, including:</p> <ul style="list-style-type: none"> • Member name • Number, address • City, state, ZIP code

	<p>And for each service provided:</p> <ul style="list-style-type: none"> • Date of service • Provider name • Service name
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6.

Use Case Name	Print Provider Report
Main Actor:	Provider
Scenario:	Provider can receive a list of all the services provided by that provider during the current week.
Step-by-step description:	<p>Information system prints a report of services provided by each provider during the current week which includes:</p> <ul style="list-style-type: none"> • Provider name • Provider number • Provider address (city, state, ZIP code) <p>For each service provided:</p> <ul style="list-style-type: none"> • Date of service • Date and time data received from computer • Member name and number • Service code • Fee to be paid • Total number of consultations with members • Total fee for the week

7.

User case name:	Print EFT Report
Main Actor:	Provider
Scenario:	ChocAn information system can print the amounts to be transferred to the providers' bank accounts.
Step-by-step description:	<p>The ChocAn information system prints the EFT report including:</p> <ul style="list-style-type: none"> • Provider name • Provider number • Amount to be transferred to provider's account

8.

Use Case Name:	Print Manager Report
Main Actor:	ChocAn Manger
Scenario:	ChocAn manager can print the Accounts Payable report summarizing the fees to be paid for the current week and the total number of visits to providers.
Step-by-step description:	<p>The information system prints a report including:</p> <ul style="list-style-type: none"> • The name of every provider to be paid for the current week • The number of consultations • Total fee for the week • The total number of providers who had visits that week • The overall fee totals

9.

Use case name:	Request Report
Main Actor:	ChocAn Manager
Scenario:	ChocAn manager can get the reports of member, provider and accounts payable.
Step-by-step description:	<p>Step 1: The manager selects the required report.</p> <p>Step 2: For the member and provider reports' the manager inputs:</p> <ul style="list-style-type: none"> • Provider number • Member number

10.

Use case name:	Produce Provider Report
Main Actor:	ChocAn Manager
Scenario:	Information system will provide the report of all claims submitted in a certain week by a required provider.
Step-by-step description:	<p>The system will give out this information about the provider:</p> <ul style="list-style-type: none"> • Provider name • Provider number • Provider address (City, state, zip code)

11.

Use case name:	Produce Member Report
Main Actor:	ChocAn Manager
Scenario:	Information system will provide the report of services given to a particular member in a certain week.
Step-by-step description:	The system will give out this information about the member: <ul style="list-style-type: none">• Member name• Member number• Member address (City, state, zip code)

12.

Use case name:	Produce Account Payable Report
Main Actor:	ChocAn Manager
Scenario:	Information system will provide the report of services rendered by the member in a certain week and the fees of those particular services.
Step-by-step description:	The system will give out this following information: <ul style="list-style-type: none">• Provider number• Provider name• Number of consultations• Total fee for week• Total number of providers who provided service• Total number of consultations• Overall total fee

Resources:

Schach, S.R. (July 19,2010). *Appendix A: Term Project: Chocoholics Anonymous*. In S, R, Schach (8th Ed.), *Object Oriented and Classical Software Engineering*, (8th Edition, 627-629). McGraw Hill.