King Fahd University of Petroleum and Minerals

College of Computer Sciences and Engineering CCSE
Information and Computer Sciences Department

Obesity Group Clinic

Team B

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iDhahran

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جامعة الملك فهد للبترول والمعادن
King Fahd University of Petroleum & Minerals

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Document Revision History

Date	Version	Description	Author
18th April 2011	1.0	SRS initial	Yasir
3rd June 2011	1.1	SRS final submission for term 102	Yasir

1. Introduction

This clause shall provide an overview of the purpose, objectives and the definitions used for this project. It's an abstract overview that will ease the understanding of the following parts.

1.1   Purpose

The purpose of this document is to present a detailed description of the Obesity Group Clinic System. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system and will be proposed to Dr. Mahmood Sajjad for its approval.

1.2   Objective

The **objectives** of The Obesity Group Clinic System (*OGCS*) are as follows -

- Developing a user-friendly system, since the Obesity Group Clinic System (*OGCS*) will replace the current complicated process of profiling the patients and monitoring their progress.

- Developing a robust and reliable system that can handle the progress of many patients.

- Developing a reusable system, that can be implemented offshore for economic purposes.

- Making the profiling of patients, suggestion of ideas and the workflow of *OGCS* as easy as possible.

- Transferring the experiment of patient-doctor relationship into a more digitized, electronic and web-based relationship.

1.3   Definition and abbreviations

The **definitions** that will be used along the development cycle of the project:

- *SPMP* – Software Project Management Plan
- *SRS* – Software Requirements Specification
- *SDD* – Software Design Document
- *STD* – Software Testing Documentation
- *OGC* – Obesity Group Clinic
- *OGCT* – Obesity Group Clinic Health Team
- *OGCS* – Obesity Group Clinic System
- *SAMSO* – Saudi Aramco Medical Services Organization
- *BOI* – Bank of Ideas

2. Product Description

2.1 Problem statement

The problem of	Currently, the *OGCT* records information on paper or uses simple tools like Microsoft Excel. The way goals are assigned to patients is entirely dependent on the *OGCT*'s decision.
Affects	This affects the professionalism and consistency of the *OGCT* as well as the degree of quality to which the services are provided*.*
The impact of which is	This may be one of the factors to explain the high dropout rate from the support group.
A successful solution would be	After implementation of this system, the *OGC* would be able to keep online records of all patients' information and history. The system will suggest goal(s) to the *OGCT* for patients. Patients will be able, as well, to interact with the system and watch their progress over time. They can choose their goals and determine wither it's suitable for them or not. This will help *OGCT* to set more realistic goals for patients, monitor them and ensure their success.

2.2   Project Scope

The **scope** of The Obesity Group Clinic System (*OGCS*) will be developed to manage and organize the Obesity Group Clinic (*OGC*) located in Saudi Aramco Medical Services Organization (*SAMSO*) in Dhahran. The main functionality of the system is the profiling of each patient and the organizing of goals. In addition, The Obesity Group Clinic System (*OGCS*) will provide other functionalities that will help and improve the workflow of the system. Patients will be able to interact with the system, manage their goals and report back to Obesity Group Clinic Health Team (OGCT). Also, OGCT will be able to monitor patients and getting reminded of when to monitor. The system should be deployed by December 2011 and the resources provided should accommodate the development process of the project.

2.3   Product Position

For	Hospitals with support groups for obese people
Who	Currently, no hospital in the Eastern Province in KSA employs the use of systems for determining most appropriate goals for Obesity health groups.
The (product name)	*OGCS* [Obesity Group Clinic System]
That	This system will help the patient and *OGCT* to make informed and appropriate decisions in selecting a goal for the patient.
Unlike	This system is not scheduling software because it provides more flexibility to *OGCT* to customize goals from the database for every individual patient.
Our product	This system will make the choosing of ideas and the communications of patients with the clinic easier and clear. Patients can register to the system, choose appropriate goals to be achieved, monitor their progress and report back to OGCT.

2.3   Purposed solution

iDhahran team has purposed to develop a Patient Management and Profiling System under the name of Obesity Group Clinic System (*OGCS*). The system should be able to create profiles, assign goals, keep records and present progress reports for each patient. The system will present a more elegant and efficient way of handling the clinic's processes and improve the quality measures in the criteria of time and monitoring. The system will also handle the follow-up reminders to monitor the patient. It will also be more flexible in regards of assigning goals, suggesting goals and in general uses.

3. Project capabilities

Capability ID	1
Name	Patient Profile Management
Use Cases #	
Description	This feature will allow the health team member to create new profiles for patients who want to join the clinic, modify profile, delete profile, and search for a patient profile. Patient profile will have the patient's info plus his or her goals and progress in the program. The patient has the option to create, modify and deactivate their profile.
Rationale	This is a basic capability of the system. It's one of the main reasons to replace the current paper-work method.
Source	Dr. Essam Jalal

Fit Criteria	1. From the Patient Profile management page the user can do the following –
	   a. Search for a patient using specific known information
	   b. View a patient's profile.
	   c. While viewing the patient's profile, the user can modify information stored.
	   d. On the search page, the user can directly delete the patient profile without viewing it.
	   e. Go to a screen that allows user to add a new patient.
	   f. View a list of patients that have currently no goals in progress.
	   g. Assign goals to a patient.

Dependencies	None
Conflicts	None
Supporting Material	Dr. Essam's document Meeting with Dr. Essam and Dr. Sajjad on 26th February 2011
History	Dr. Essam proposed this capability in the report that he sent to Dr. Sajjad
Priority	3
Risk	5
Effort	5
Approval	Done

Capability ID	2
Name	Health Team Profile Management
Use Cases #	
Description	This capability allows a doctor to add, view, modify, and delete health team members and doctors from the system.
Rationale	This is a basic capability of the system. It's one of the main reasons to replace the current paper-work method.
Source	Dr. Essam Jalal, Dr. Sajjad, Project team
Fit Criteria	An admin/health team member are allowed do the following - a. Search for a health team member using specific known information b. View an admin/health team member's profile. c. While viewing their own or health team member's profile, the admin can modify information stored. d. On the search page, the admin can directly delete a user's profile without viewing it. e. Go to a screen that allows user to add a new health team member. f. View a list of all health team members in the system.
Dependencies	None
Conflicts	None
Supporting Material	Meeting with Dr. Essam and Dr. Sajjad on 26th February 2011
History	Date: Thursday, March 10, 2011 Version: 1.0 Author: Saeed Al-Tuwaileb Version: 1.1 Author: Shaeq Khan This capability was proposed to Dr. Essam on our second meeting on 7th March 2011 and he approved the idea.
Priority	2
Risk	3
Effort	2
Approval	Done

Capability ID	3
Name	Follow-up
Use Cases #	
Description	The system is expected to send a reminder to the health team and send a notification via email to the patient about a due follow up.
Rationale	Follow-up reminder is an important medium to make sure that the health team keeps a track of the patient's progress and the patient information remains up to date
Source	Dr. Essam Jalal
Fit Criteria	After the patient is added to the system, they can add goal(s) for themselves or the health team set goal(s) for patient. a. After the patient's goal has been set, they can customize their goals to being weekly, fortnight, monthly where they will be required to do this goal for the specified period and then they will enter their scores to evaluate their own progress. b. Patients can be put into groups and then these groups can be assigned goals generally. These goals assigned can later be customized for patients individually. c. Each group of patient can have a set follow up date where they will be required to record their progress into the system. d. Patients that don't fall into any group can be assigned goals individually or they can select goals for themselves. They don't necessarily have to fall into certain groups. e. Patient accounts have to be approved before they are activated. This can be done from the health team's profile page.
Dependencies	This capability depends on: - Patient profile management: to get the patients data. - Goals management: to see whether the patient has chosen a goal or not .
Conflicts	Development team: the development team is required to know how to deal web domain for sending mails.
Supporting Material	Dr. Essam's document Meeting with Dr. Essam and Dr. Sajjad on 26th February 2011

History	Dr. Essam proposed this capability in the report that he sent to Dr. Sajjad
Priority	2
Risk	3
Effort	4
Approval	Done

Capability ID	4
Name	Goals Management
Use Cases #	
Description	This is the most important feature in the System. The health team comes up with new goals after brainstorming sessions with patients. These are then added to the "Bank of Ideas" under specific categories determined by the health team. These goals can be customized according to individual patients by the health team and then assigned. The system will be able to relate these customized goals to patients assigned with them. The health team can remove goals from the "Bank of Ideas" too. The "Bank of Ideas" contains goals that are classified according to their nature [eg. Physical, Dietary etc.] upon their addition to the system.
Rationale	This database created to store goals makes it easier for doctors to view the basic ideas of weight loss opportunities, creates a more flexible and interactive system with respect to information storage.
Source	Idea developed by Dr. Essam Capture by project team during interview with Dr. Essam Idea enhanced by project team Meeting 1 [26th February 2011] and 2 with Dr. Essam and Dr. Sajjad
Fit Criteria	a. Brainstorming session/ Interactive session with patients to capture basic ideas and goals to promote weight loss b. The doctor/health team corrects and finalizes the goals captured c. These goals are then entered into the system by the user and referred to as the "Bank of Ideas" d. The user can also delete a goal from the "Bank of Ideas" e. The user can search goals based on certain parameters like most popular, most, successful, most failed etc. f. The patients choose a goal from the "Bank of Ideas" and customize it with approval from a member of the health team. g. A goal is added with attributes such as frequency, amount etc. according to the patient. h. This goal is then assigned to a patient and stored into the patient's profile. i. In case the patient decides to discontinue temporarily, their name is added to a list of patients

	with no current goals or if they choose to leave the program, their profile can be disabled which will disable further notifications for follow ups to the health team members.
Dependencies	Goal Suggestions
Conflicts	None
Supporting Material	Dr. Essam's document Meeting with Dr. Essam and Dr. Sajjad on 26th February 2011
History	
Priority	5
Risk	4
Effort	5
Approval	Done

Capability ID	5
Name	Goals Suggestions
Use Cases #	none
Description	This feature helps the health team to find appropriate goals for a patient according to his health and personality traits. Also goals that are most popular, most achievable, most successful calculated using a simple algorithm will be showed by the system to assist the health team in making informed and intelligent decisions for individual patients.
Rationale	This feature is what our sponsor majorly looking for. Dr. Essam wants the system to ease the decision making process and generate detailed reports which will be addressed by this capability
Source	Project team

Fit Criteria	a. If the health team member feels that the patient has not been up to in achieving his goals then he may ask the patient to repeat the goal with same or lesser frequency or ask the patient to choose a simpler goal.
	b. If the patient is successful, they will be encouraged to take their performance to the next step otherwise they can choose to take a different goal or the same one again.
	c. While the patient is being asked to choose a goal, it is difficult for the health team member to instantly come up with the best suggestion to the patient. So the system will provide an interface to the health team member to choose goal suggestions on basis of certain criteria's –
	   1. According to the patient's current health status and diseases associated with the patient.
	   2. According to the patient's previous success with completing goals.
	   3. According to the most popular goals amongst patients of the similar age/bmi.
	   4. According to the most successful goals amongst patients of the similar age/bmi.
	   5. According to patients personal choice.

Dependencies	Goals Management
Conflicts	None so far
Supporting Material	Interview number 2 with Dr. Essam [recording available]
History	None

Priority	4
Risk	4
Effort	5
Approval	Done

Capability ID	6
Name	Reports Management
Use Cases #	
Description	This capability allows the health team to generate and save records of patients, goals and the heath team.
Rationale	To assess the progress of patients and health team members and the success of brainstorming sessions with patients for suggestions of goals.
Source	Dr. Essam Jalal Project Team

Fit Criteria	The user will be able to generate reports as per their own convince based on current data in the system. The system supports generation of 3 kinds of reports –
	
	a. Patient Report - The health team can generate reports based on the following criteria's -
	  1. Success ratio of patients enrolled in clinic
	  2. Dropout ratio
	  3. Patients with high bmi.
	  4. Patients with other disease [1,2,3,more]
	  5. Patients more prone to drop out
	  6. <more report types to decided>
	b. Goal Report – The health team can generate reports based on the following criteria's -
	  1. Most popular
	  2. Most successful
	  3. Most failed
	  4. Least assigned
	  5. <more report types to be decided>
	c. Health Team Report – the admin and health team can generate reports based on the following criteria's –
	  1. Success rate
	  2. <more report types to be decided>

Dependencies	Patients Management, Health Team Profile Management, Goal Management
Conflicts	None.
Supporting Material	Dr. Essam's document Meeting with Dr. Essam and Dr. Sajjad on 26th February 2011
History	None
Priority	3
Risk	4
Effort	5
Approval	Done

4. System stakeholders and users

Stakeholders

Organizations: KFUPM, ARAMCO

Individuals or groups: Obesity Group Clinic of Aramco Hospital, Dr. Essam as project sponsor, iDhahran project team, Dr. Sajjad, Patients, College of Computer Sciences and Engineering at KFUPM

Users

Dr. Essam, *OGCT*, Patients.

4.1 Market Demographics

With this project we want people to realize the importance of making informed decisions with the help of a computer system. Saudi Arabia is seeing obesity as a growing problem and not much is being done to solve it. A lot of people have taken surgical procedures as the only solution to weight loss. With this system we aim to provide patients with a successful and natural choice. As obesity increases, we predict a rise in similar support groups that will be started by hospitals in the Eastern Province and we aim to provide them with a tested and successful system.

This is the first time iDhahran develops a system of this kind. We vision the product to be component based so that code can be reused to develop similar systems in the future for other hospitals with obesity groups. This project gives us the satisfaction that we are making a difference in the lives of people by suggesting them with healthy habits and in a way enhancing their life span.

4.2   Stakeholder Summary

Name	Represents	Role
Obesity Group Clinic [Aramco Hospital]	Our primary customer	To provide us with their vision of the system and provide the project team with requirements and expectations of the system
Dr. Essam as project sponsor	Point of contact between the *OGC* and project team	Interviews and presentations are held with Dr. Essam and he provides a collective feedback to the project team
Patients	People who will majorly decide the success or failure of the system. The decreasing dropout rates are a measure of the success of the system. Second main users of the system.	Present some constraints such as making the system bi-lingual [English, Arabic] and will eventually be the people who are using by the system.
iDhahran	The development team for the *OGC* system	Gathering requirements, designing the system, implementation and deployment.
Dr. Sajjad Mahmood as Supervisor	To monitor and approve the development team's progress with the system	Providing feedback and improvements that can be made to the system

4.3 User Summary

Name	Description	Stakeholder
OGCT members	Primary end user of the system. Capable of adding new users to the system.	A part of the Obesity Group Clinic [Aramco Hospital]
Patients	Secondary end users of the system. Capable of adding goals and monitoring their progress.	Patietns.

4.4 User Environment

The users of the OGC System will be either the patients or the OGCT. System will be accessible from any platform with Internet connection. OGCT can follow-up upon patients' progress by getting emails reminders.

Currently the team uses Microsoft Excel to store patient information. They have also uploaded a set of goals onto the Aramco hospital website where patients can visit and view goals and select one.

4.5   Stakeholder Profiles

4.5.1   Obesity Group Clinic Team (OGCT)

Representative	Dr. Essam Jalal
Description	Our primary customer who will be using the system
Type	No experience with using a similar system. Most of them are technology competent but will need training to use the system efficiently.
Responsibilities	Appropriate usage of the system to benefit patients
Success Criteria	Increase in number of patients choosing to stay with the program over seeking surgical alternatives.
Involvement	Major source of requirements elicitation
Deliverables	Online tutorials and user manuals
Comments / Issues	

4.5.2   Dr. Essam

Representative	
Description	He is the point of contact between the project team and the *OGC*
Type	No experience with using a similar system. Technology competent but will need training to use the system efficiently.
Responsibilities	Will overlook the *OGCT* and deal with patients himself
Success Criteria	Increase in number of patients choosing to stay with the program over seeking surgical alternatives.
Involvement	Major source of information for requirements elicitation
Deliverables	The system itself, Online tutorials and user manuals
Comments / Issues	

4.5.3   Patients

Representative	Dr. Essam Jalal
Description	Is our major stakeholder. Decides the future success or failure of the system. Second main users of the system.
Type	Has direct interaction with the system and is going to be affected by it
Responsibilities	Register to the system, modify goals and report back to OGCT.
Success Criteria	Increase in number of patients choosing to stay with the program over seeking surgical alternatives.
Involvement	Minor source of information for requirements elicitation
Deliverables	
Comments / Issues	

4.5.4   iDhahran

Representative	The team leader
Description	Development team of the system
Type	Technical expertise in developing systems
Responsibilities	Gathering Requirements, Designing the system, Implementation and Deployment and documentation
Success Criteria	Satisfaction of users in terms of their usage of the system and increase in number of patients choosing to stay with the program over seeking surgical alternatives.
Involvement	The creators of the system, gathering Requirements, Designing the system, Implementation and Deployment
Deliverables	Ideas and requirements from the *OGCT*
Comments / Issues	

4.5.5 Dr. Sajjad Mahmood

Representative	
Description	In charge of collecting documentation from the project team, making sure project is on time and consultant to the project for new ideas and better solutions
Type	Guru of technical and software systems development, the development team's mentor and guidance
Responsibilities	Provide feedback to group discussions and ideas
Success Criteria	Completion of the system and successful deployment
Involvement	In charge of collecting documentation from the project team, making sure project is on time and consultant to the project for new ideas and better solutions
Deliverables	Weekly deliverables [adjustable frequency] are delivered by the development team to record progress
Comments / Issues	

4.5.6 College of Computer Sciences and Engineering, KFUPM

Representative	Dr. Sajjad Mahmood
Description	Is owner of the system to be developed
Type	Guru in technical aspects and have taken responsibility of completion of thousands of student projects to date.
Responsibilities	Supervising the overall project and to ensure the integrity of the entire team.
Success Criteria	Completion of the system and successful deployment
Involvement	Ensuring project manager has the system development on schedule
Deliverables	The final system

Comments / Issues	

4.6   User Profiles

This section describes each unique user of the system and their attributes in regards to the system. A through profile should cover the following topics for each type of user:

4.6.1 OGCT

Representative	
Description	A private individual that will use the system to profile patients and monitor their progress, as well as creating new *OGCT* member profiles.
Type	This is a casual user, possibly with previous use of similar patient's record system
Responsibilities	Adding patient's profiles, monitoring their progress and adding more goals to the BOI, as well as creating new OGCT member profiles.
Success Criteria	The success is completely defined by the customers continuing business with using our system.
Involvement	We will have sample customers to help evaluate our design.
Deliverables	
Comments / Issues	

4.6.2 Patients

Representative	
Description	Private individuals that will use the system to register themselves and choose goals to be achieved.
Type	This is a casual user, possibly with no previous use of similar patient's record system
Responsibilities	Registration, managing goals and reporting back to OGCT.
Success Criteria	The success is completely defined by the customers continuing business with using our system.
Involvement	We will have sample customers to help evaluate our design.
Deliverables	
Comments / Issues	

4.7 Key Stakeholder / User Needs

Need	Priority	Concerns	Current Solution	Proposed Solutions
Secured access	High	Management of private patients information	None	Manage user access with PIN numbers and encryption
Scalable	Moderate	None	None	Allow ample number of access channels for end users
Profiling of patients	High	Mixing patient's profiles	Paper forms	E-profiling of patients information
Monitoring patient's progress	High	Mixing patient's profiles	Paper forms	E-profiling of patients progress
Easy to use	High	Ability to provide complex operations with simple user interface	None	Provide user friendly, highly intuitive, help guided navigation in application
Flexible	High	Ability to provide a truly customized user experience	None	Provide a simple, yet robust, ability for the end user to customize the goals to match every patient's

				goals
Instant	Moderate to High	Ability to provide live feedback from the database	None	Use an appropriate tool to provide live feedbacks of the most recent activities

5. Project Plan

5.1 Work Breakdown Structure

1.Initial Project Proposal

  1.1 Project Objective

  1.2 The need of the project

  1.3 Expected Output

  1.4 Key Feature

  1.5 Project Impact

    1.5.1 Impact on Individual and Organization

    1.5.2 Impact on Society

2.Final Project Proposal

3. Management Plan

  3.1 Overview

    3.1.1 Project Summary

      3.1.1.1 Purpose, scope and objectives

      3.1.1.2 Assumptions and Constraints

      3.1.1.3 Project deliverables

      3.1.1.4 Schedule and budget summary

    3.1.2 Evolution of the plan

  3.2 References

  3.3 definitions

  3.4 Project Organization

    3.4.1 External Interface

    3.4.2 Internal Interface

    3.4.3 Roles And Responsibilities

  3.5 Managerial Process Plan

    3.5.1 Start-up Plan

      3.5.1.1 Estimation Plan

      3.5.1.3 Resource Acquisition Plan

      3.5.1.4 Project Staff Training Plan

    3.5.2 Work Plan

      3.5.2.1 Work Activities

5.1 State Transition Diagrams & Use cases

5.2 Class & sequence diagrams

5.3 Screens Layout

5.4 Revised Project Plan

5.5 Revised Vision Document

5.6 Initial test cases

5.7 SRS

5.8 Requirement Review Report

5.9 Revised SRS

6. SDS Document

6.1 Deployment Architecture

6.2 Package Diagram

6.3 Refined Class Diagram

6.5 DB design

6.6 White Box Test Cases

6.7 Software Design Document (SDD)

6.8 Design Review Report

6.9 Revised SDD

7. Prototype and Presentation

5.2   Risk analysis and management

Risk Management Plan (RMP) will specify the process and the strategy of identifying, assessing, analyzing, and monitoring risks that can occur and affect the Obesity Group Clinic (OGC) system. The general process of risk management that will be followed in this project is specified as follows:

| Identifying Risks | → | Assessing Risks | → | Analyzing Risks | → | Monitor Risks |

Communicate and track Risks
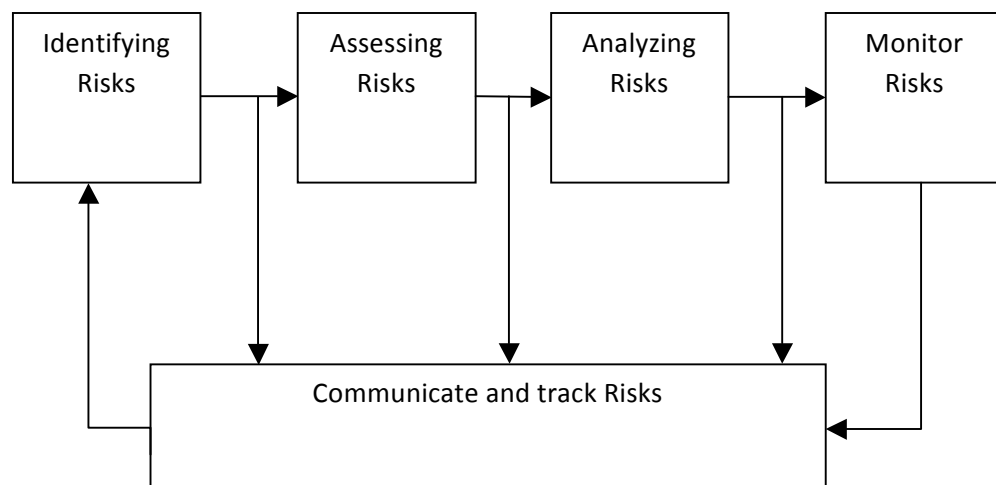
Figure 1: Risk Management Plan

5.2.1   Identifying Risks

Risks will be considered and identifies thoroughly until the completion of the Obesity Group Clinic (OGC) system. Any risk that is identified at any time of the project life cycle will be added to the (RMP). The following techniques will be followed to help in identifying risks that can affect the progress and the quality of the project:

- Inspecting the work breakdown structure (WBS) of the project to spot risks that may arise.
- Reviewing the risk management efforts of the previous similar system.
- Reviewing the design specifications and the agreement requirements.
- Brainstorming.

5.2.2 Assessing Risks

Each identified risk will be assessed and will be given the probability and the impact values so that all risks can be prioritized and handled based on the assigned values. Assessing criteria will be as follows:

- Probability:

High	The risk is more likely to occur.	> 75 %
Medium	The risk has about 50 % chances to occur or not.	25 to 75 %
Low	The risk is not likely to occur.	< 25 %

- Impact:

High	The risk may result in a complete failure for the system.
Medium	The risk may have a major impact that can effect schedule, quality...etc.
Low	The risk may have a minor impact on the project.

5.2.3 Analyzing Risks

The assessed risks will be analyzed thoroughly so that proper mitigation actions can be taken to reduce or eliminate the risks. Once the risks are analyzed, they will be categorized with their effects on the project.

5.2.4 Monitoring Risks

Continuous monitoring of the risks will be applied until the completion of the project. If there is any risk that has been identified, assessed and analyzed but not mitigated properly, then the risk must be reported as soon as possible to change the mitigation method. After that, (RMP) should be updated accordantly.

5.2.5 Risk Management Roles and Responsibilities

The team leader of the project will be responsible for the risk management plan of the project. However, the team leader can delegate the responsibility of (RMP) to any member of the team. The project manager or the responsible member will have the following tasks in order to manage the risks:

- Creating the (RMP).
- The participation in the identification of risks.
- Communicating and tracking risks process and tasks with other team members.

5.2.6 Opportunities Management

Similar to risks, the process is applied to identify, analyze and monitor opportunities that may occur. The opportunities may have a positive impact on the schedule, quality … etc. so, here comes the role of opportunities management where the appropriate steps should be taken to maximize the benefits of the identified opportunity. The same procedure of risk management will be applied here and also with the same roles and responsibilities pointed out in the previous sections.

5.3   Project schedule and grant chart
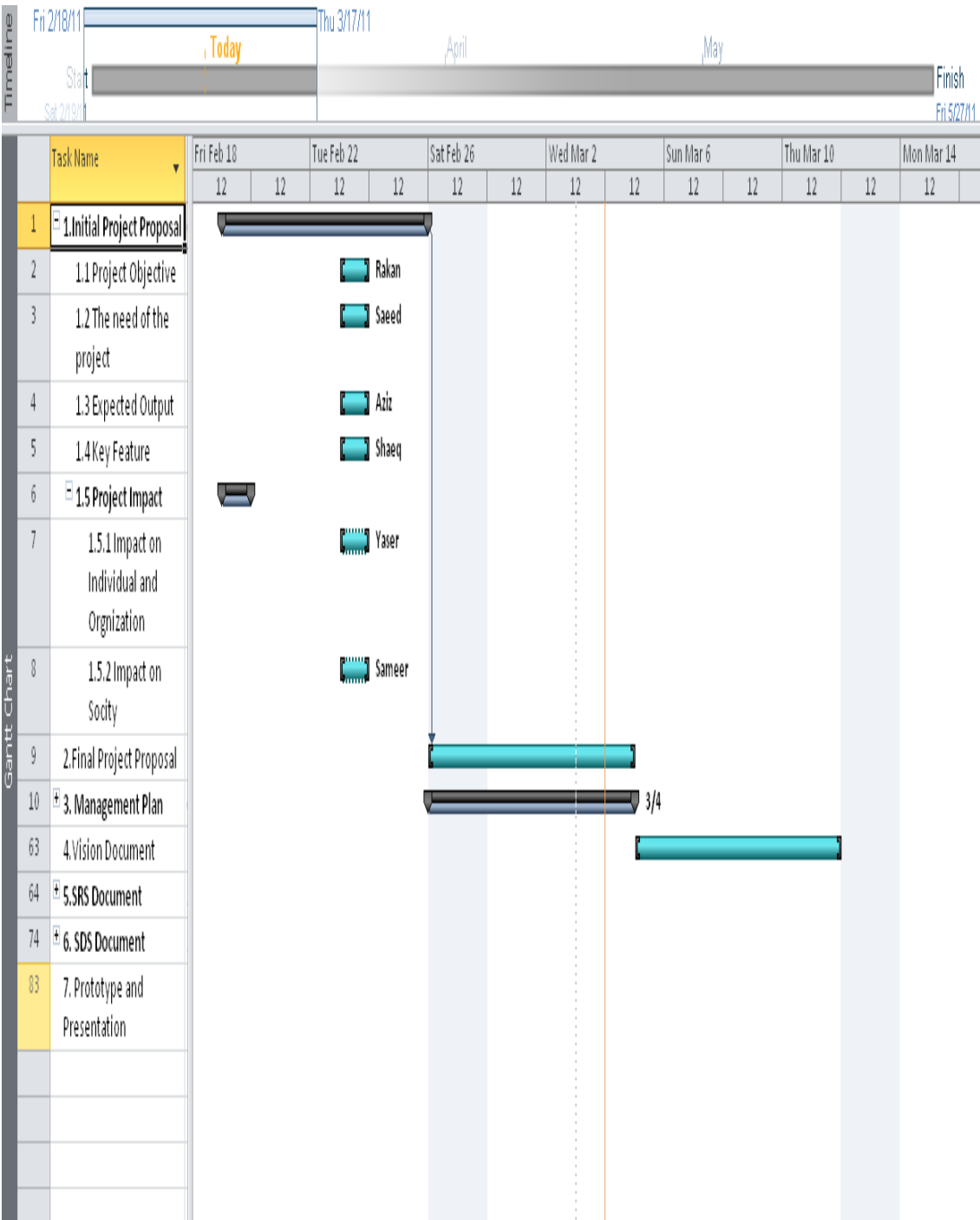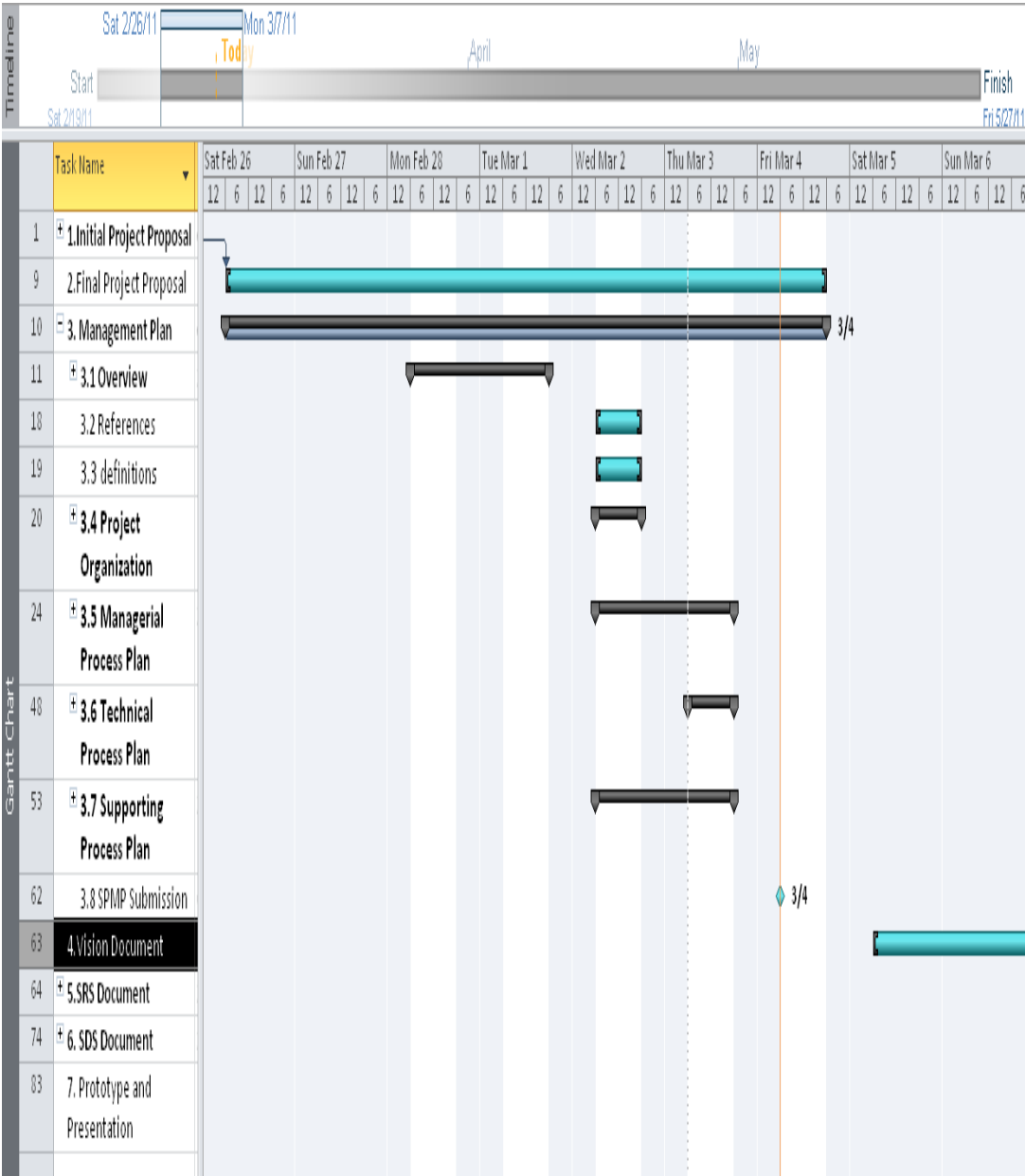
Figure 3: Resource Allocation (2/6)

1.Initial Project Proposal

Start: 2/19/11   ID: 1

Finish: 2/25/11   Dur: 6 days

Comp: 0%

1.1 Project Objective

Start: 2/23/11   ID: 2

Finish: 2/23/11   Dur: 1 day

Res: Rakan

1.2 The need of the project

Start: 2/23/11   ID: 3

Finish: 2/23/11   Dur: 1 day

Res: Saeed

1.3 Expected Output

Start: 2/23/11   ID: 4

Finish: 2/23/11   Dur: 1 day

Res: Aziz

1.4 Key Feature

Start: 2/23/11   ID: 5

Finish: 2/23/11   Dur: 1 day

Res: Shaeq
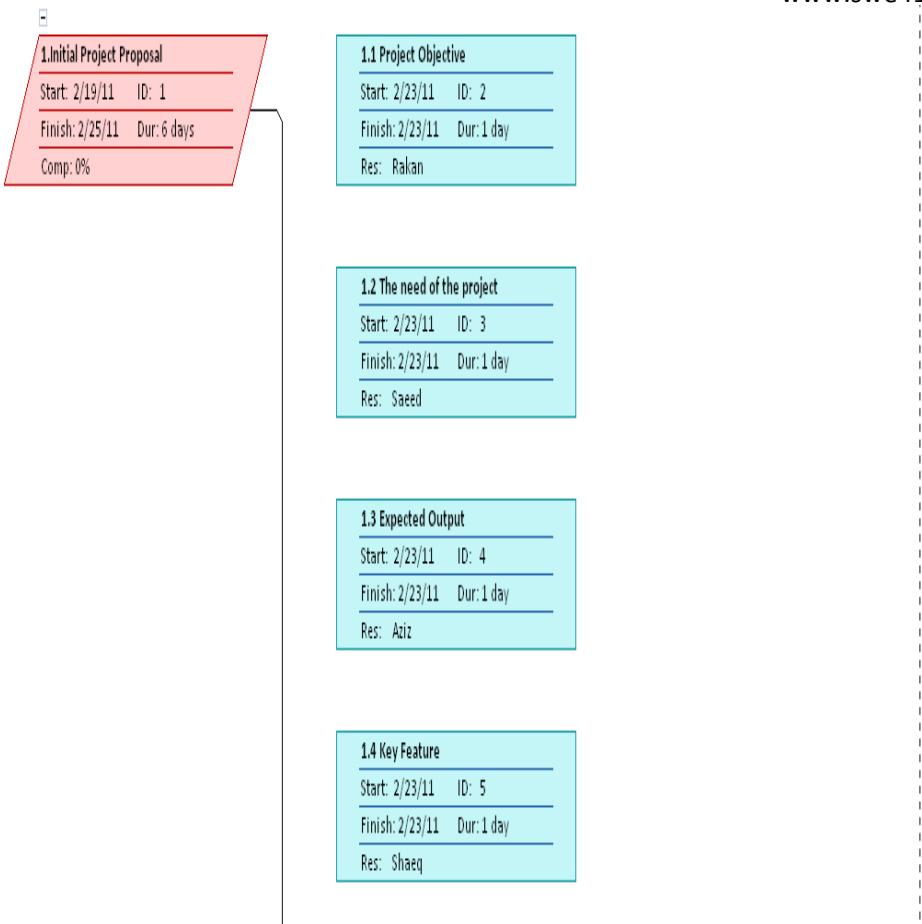
Figure 4: Resource Allocation (3/6)
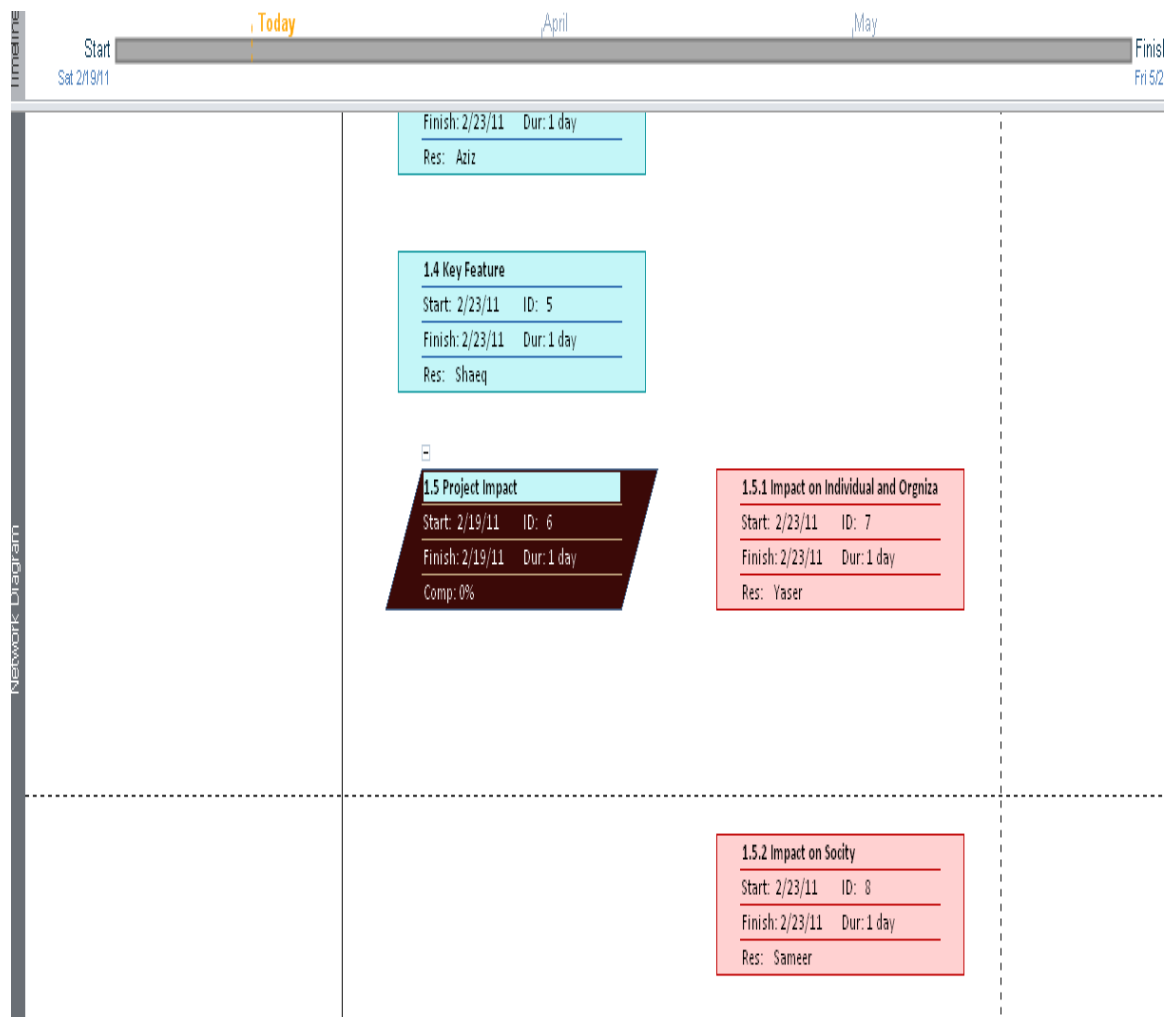
Figure 5: Resource Allocation (4/6)

Network Diagram

2.Final Project Proposal

Start: 2/26/11   ID: 9

Finish: 3/4/11   Dur: 6 days

Res:

3. Management Plan

Start: 2/26/11   ID: 10

Finish: 3/4/11   Dur: 6 days

Comp: 0%

4.Vision Document

Start: 3/5/11   ID: 63

Finish: 3/11/11   Dur: 6 days

Res:

5.SRS Document

Start: 3/18/11   ID: 64

Finish: 4/22/11   Dur: 26 days?

Comp: 0%
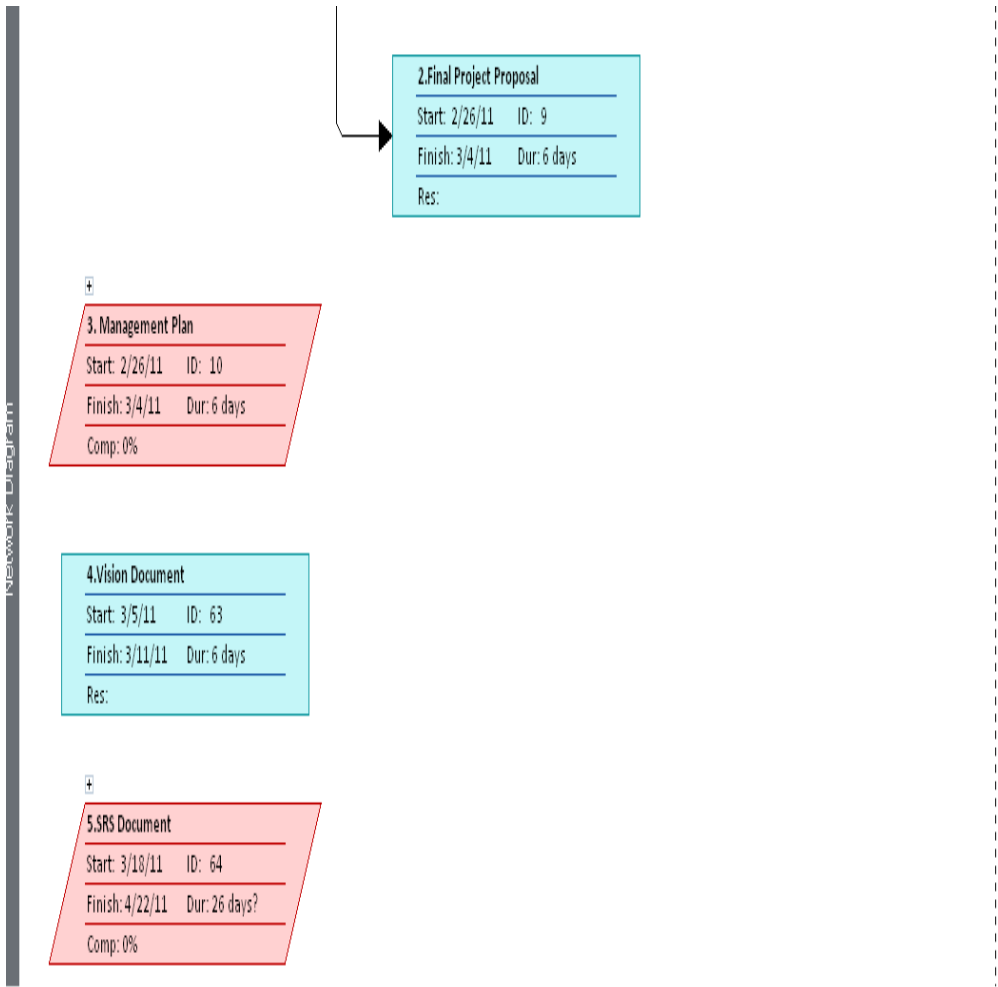
Figure 6: Resource Allocation (5/6)

6. SDS Document

Start: 4/29/11   ID: 74

Finish: 5/27/11   Dur: 21 days?

Comp: 0%

7. Prototype and Presentation

Start: ID: 83

Finish: TBA   Dur:

Res:
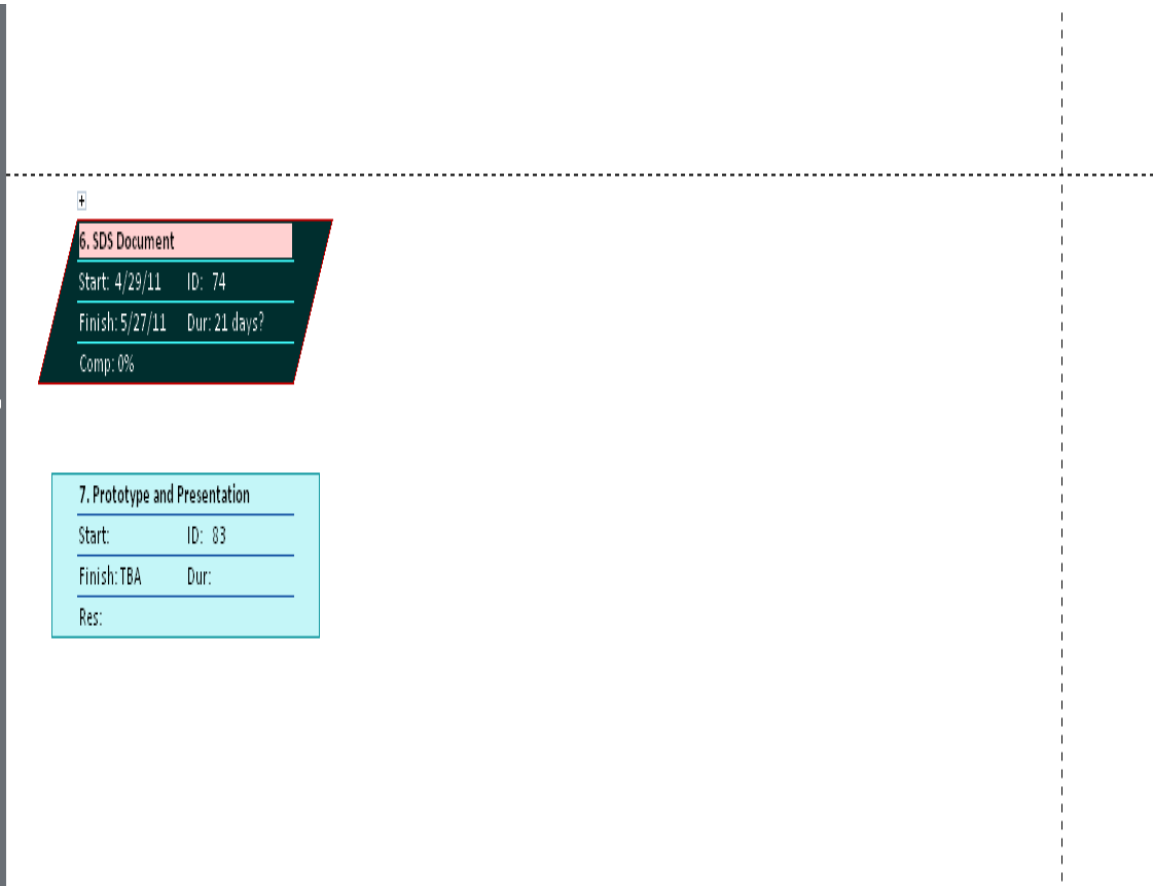
Figure 7: Resource Allocation (6/6)

6. Use case model

6.1   Use case Diagram

6.1.1 OGCT member view
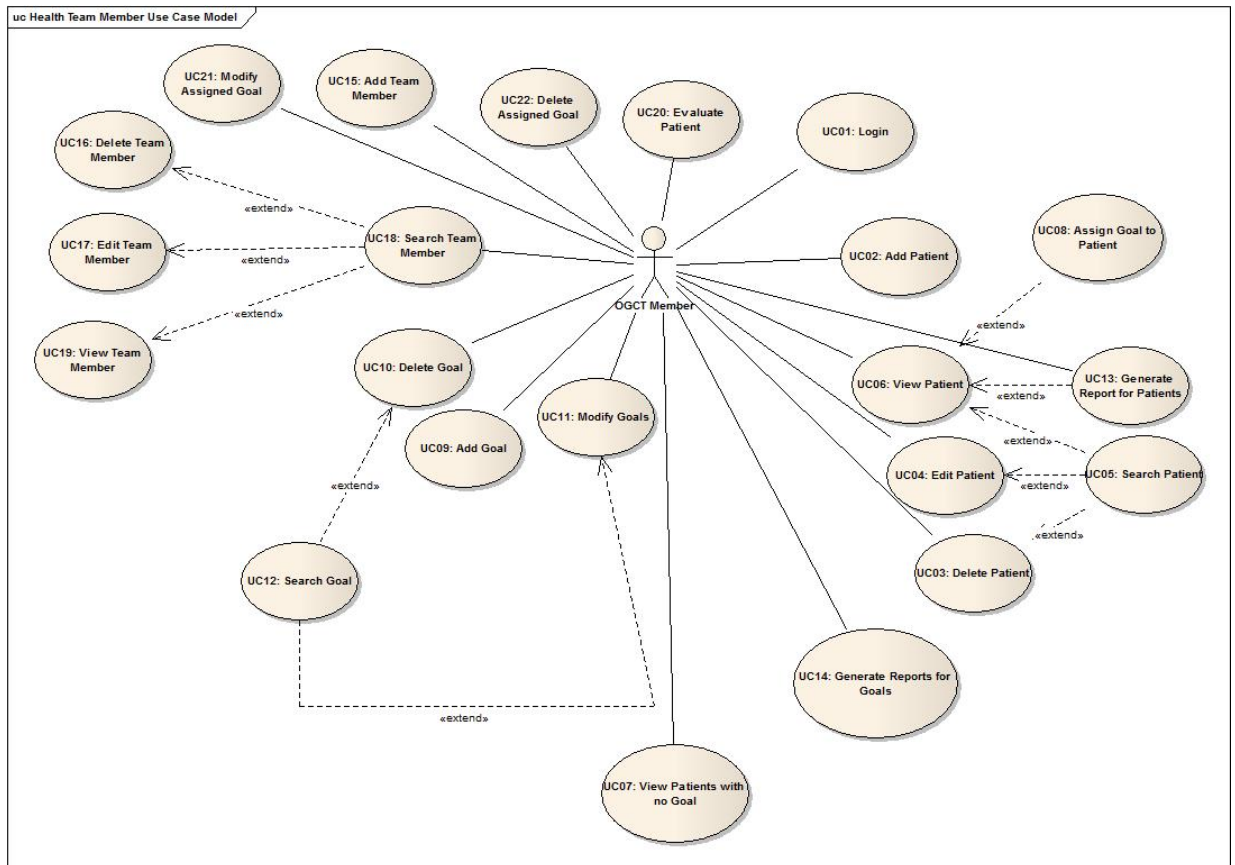
Figure 8: Use case Diagram (OGCT members' view)

6.1.2 Patients view
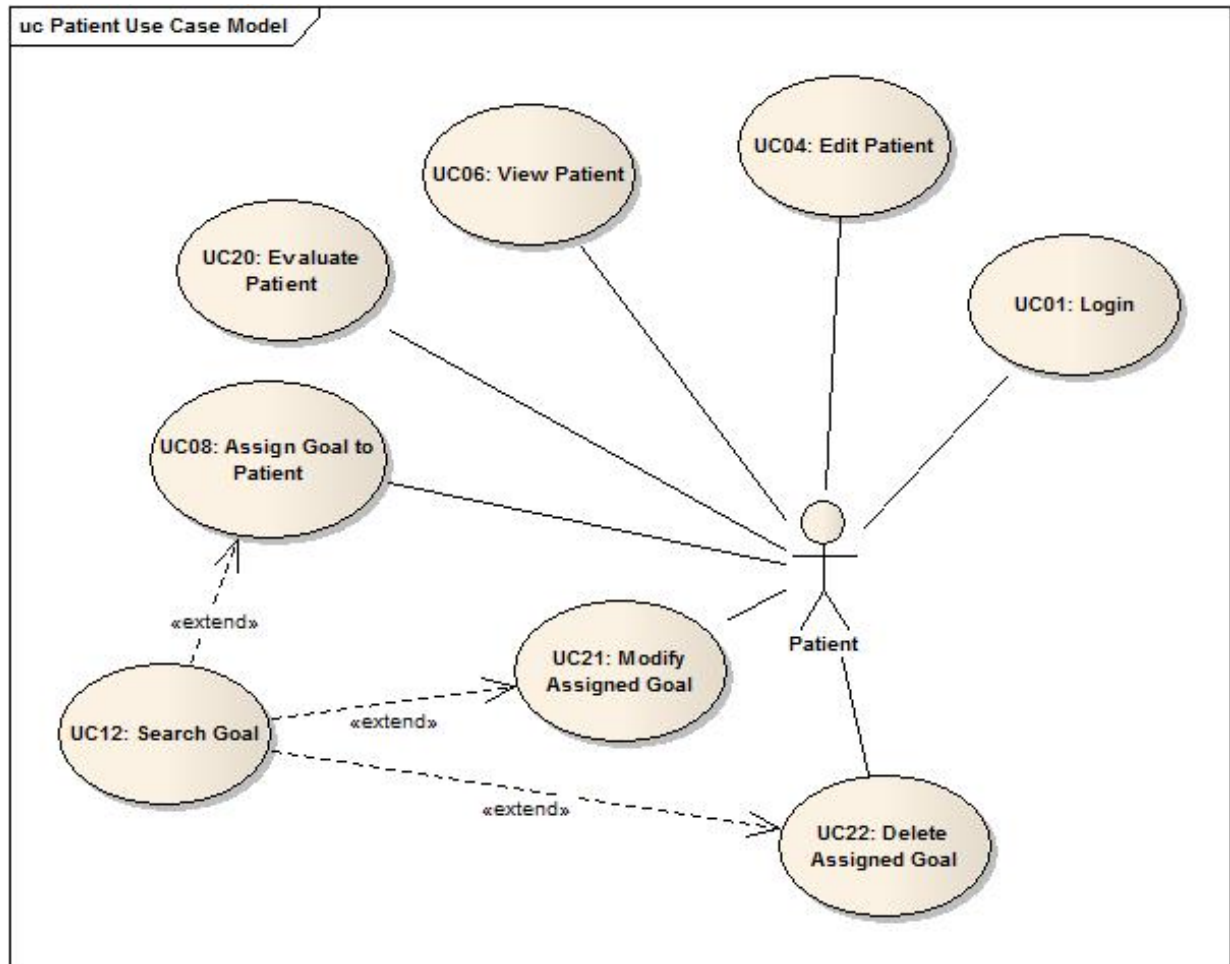
Figure 9: Use Case Diagram (Patients' view)

6.2   Use case description

Use Case Number	UC01
Use Case Name	Login
Author	Saeed Al-Tuwaileb
Date of Creation	07-April-11
Precondition(s)	OGCT member or Admin have a valid username and password.
Successful Post Condition	OGCT member or Admin will be logged-in into the system successfully.
Failed Post Condition	OGCT member or Admin will not be able to login to the system.
Related Use Cases	None.
Actors	• OGCT member. • Admin.
Priority	High
Trigger	OGCT member or Admin want to access the system's functionalities when clicking on login.

Flow of Events	Flow	
	Step Number	**Steps**
	1	User clicks login.
	2	OGCS prompts User to enter: • Username • Password • Account Type
	3	User enters: • Username • Password • Account Type

		And confirms the entered information.
		A1: User forgot username or password.
	4	OGCS will allow User to login to the system successfully, and show the relevant main screen of User and use case ends.
		A3: Invalid username or password.
		E1: System is not accessible.
	Alternate Flow A1: User forgot username or password.	
	1	User initiates the process that he forgot the username or password.
	2	OGCS prompts User to enter his/her e-mail address that is stored in the User's profile and chooses to retrieve the required information.
	3	User enters his/her e-mail address.
	4	OGCS shows a message saying that username and password have been sent successfully.
		A2: E-mail address does not exist.
	Alternate Flow A2: E-mail address does not exist.	
	1	OGCS shows a message saying that the entered e-mail address does not exist in the system.
	2	User confirms and the flow returns back to Alternate flow 1 step 2.
	Alternate Flow A3: Invalid username or password	
	1	OGCS shows a message saying that username or password is invalid

	2	The flow returns back to Basic flow step 2.
	Error Flow E1: System is not accessible.	
	1	System shows a message saying that the system is not accessible and use case ends.

Use Case Number	UC02
Use Case Name	Add patient
Author	Sameer Al-Amri & Abdulaziz Alamoudi
Date of Creation	31-May-11
Precondition(s)	No username should exist matching the entered username.
Successful Post Condition	A username and password are created for the patient.
Failed Post Condition	Username and password are not created for the patient.
Related Use Cases	None.
Actors	OGCT member.
Priority	High
Trigger	The profile creation UI for patients is displayed to the OGCT member.

Flow of Events	Basic Flow	
	Step Number	Steps
	1	The OGCT member requests to create a profile for the patient.
	2	The OGCS prompts the OGCT member to enter the following: • Patient's username. • Password.
	3	OGCT member enters the required information and submits it.
	4	OGCS displays a confirmation message that the profile is created and the use case ends. • A1: Username already exists in the

		OGCS.
		• A2: Password not accepted.
	Alternate Flow A1: Username already exists in the OGCS.	
	1	OGCS displays a message saying that the account already exists.
	2	OGCT confirms and the flow goes back to step 3 of the main flow.
	Alternate Flow A2: Password not accepted.	
	1	OGCS displays a message that the password is not accepted.
	2	OGCT confirms the message and the flow goes back to step 3 of the main flow.
	Error Flow E1: System failure.	
	1	The OGCS displays an error message.
	2	The OGCT member confirms and the use case ends.

Use Case Number	UC03
Use Case Name	Delete Patient
Author	Abdulaziz Alamoudi
Date of Creation	31-May-11
Precondition(s)	The patient should already exist in the OGCS.
Successful Post Condition	The patient's profile and account is deleted from OGCS.
Failed Post Condition	The patient's profile and account is not deleted from OGCS.
Related Use Cases	UC05: Search Patient
Actors	OGCT member
Priority	High
Trigger	The patient's profile is displayed.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	The OGCT member will select a patient's profile and then deletes it. • A1: The OGCT member wants to search for a patient.
	2	The OGCS will prompt the OGCT member to confirm the deletion process.
	3	The OGCT member will confirm the deletion. • A2: The OGCT member cancels the operation.
	4	The OGCS will delete the patient and the use case ends. • E1: System Failure.
	Alternate Flow A1: The OGCT member wants to search for	

	a patient	
	1	UC05 Search Patient is executed and the flow goes to step 1 of the main flow.
	Alternate Flow A2: The OGCT member cancels the operation	
	1	The OGCT member cancels the operation
	2	The OGCS cancels the operation and goes back to step 1 of the main flow.
	Error Flow E1: System Failure	
	1	The OGCS displays an error message.
	2	The OGCT member confirms and the use case ends.

Use Case Number	UC04
Use Case Name	Edit Patient
Author	Abdulaziz Alamoudi
Date of Creation	31-May-11
Precondition(s)	The patient should already exist in the OGCS.
Successful Post Condition	The patient's personal information is updated.
Failed Post Condition	The patient's personal information is not updated.
Related Use Cases	UC05: Search Patient.
Actors	• OGCT member • Patient
Priority	High
Trigger	The patient's profile is displayed.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	The user (OGCT member or patient) will view the patient's profile and updates the required fields. 1) First name. 2) Last name. 3) Date of birth. 4) Gender. 5) Address. 6) Phone. 7) Email. 8) Weight. 9) Height. 10) BMI. 11) Aramco ID. • A1: The user wants to search for a patient.
	2	The OGCS will save the edited information

		and the use case ends.
		• E1: System Failure
	Alternate Flow A1: The OGCT member wants to search for a patient	
	1	UC05 Search Patient is executed and the flow goes to step 1 of the main flow.
	Error Flow E1: System Failure	
	1	The OGCS displays an error message.
	2	The OGCT member confirms and the use case ends.

Use Case Number	UC05
Use Case Name	Search Patient
Author	Saeed Al-Tuwaileb & Abdulaziz Alamoudi
Date of Creation	07-April-11
Precondition(s)	OGCT member is logged-in the system.
Successful Post Condition	OGCS shows the result of searching for a patient.
Failed Post Condition	Search result will not be returned due to database error or patient does not exist.
Related Use Cases	• UC03. Delete Patient • UC04. Edit Patient • UC06. View Patient
Actors	OGCT member.
Priority	High
Trigger	OGCT member clicks search patient.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	OGCT member requests to search for a patient.
	2	OGCS prompts OGCT member to enter one or more of the following search criteria: • First Name • Last Name • ARAMCO ID
	3	OGCT member enters one or more search criteria: • First Name • Last Name • ARAMCO ID

		And confirms the search request.
	4	OGCS returns the search result based on the entered criteria and use case ends. A1: No result returned. E1: Database is not accessible.
	Alternate Flow A1: No result returned	
	1	OGCS shows a message saying that patient with the entered criteria does not exist.
	2	OGCT member confirms the message and the flow returns back to Basic flow step 2.
	Error Flow E1: Database is not accessible.	
	1	System shows a message saying that the database is not accessible and use case ends.

Use Case Number	UC06
Use Case Name	View Patient
Author	Abdulaziz Alamoudi
Date of Creation	31-March-2011
Precondition(s)	The patient should already exist in the OGCS.
Successful Post Condition	The patient's profile is displayed.
Failed Post Condition	The patient's profile is not displayed.
Related Use Cases	UC05: Search Patient UC08: Assign Goal to Patient UC13: Generate Report for Patients
Actors	• OGCT member • Patient
Priority	High
Trigger	None

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	The user (OGCT member or patient) chooses to view the patient's profile that contains his personal information and work progress. • A1: Search for a patient (if the user was an OGCT member).
	2	The OGCS displays the patient's profile. • E1: System failure.
	3	The user might do the following: • A2: Assign Goal to a patient. • A3: Generate report for a patient (if the user was an OGCT member)

		The use case ends.
	Alternate Flow A1: Search for a patient	
	1	The OGCS executes UC05 Search Patient.
	Alternate Flow A2: Assign Goal to a patient	
	1	The OGCS executes UC08 Assign Goal to Patient.
	Alternate Flow A3: Generate report for a patient	
	1	The OGCS executes UC13 Generate Report for Patients.
	Error Flow E1: System failure.	
	1	The OGCS displays an error message.
	2	The user confirms and the use case ends.

Use Case Number	UC07
Use Case Name	View patient with no goals.
Author	Sameer Al-Amri & Abdulaziz Alamoudi
Date of Creation	31-March-11
Precondition(s)	• OGCT member successfully login into the OGCS. • Patient already exists in OGCS.
Successful Post Condition	Patient(s) with no goals list are displayed to the OGCT member successfully.
Failed Post Condition	The list of patients is not displayed
Related Use Cases	None
Actors	OGCT member
Priority	Moderate
Trigger	OGCT member chooses to "View Patients with no goals"

Flow of Events	**Basic Flow**	
	Step Number	**Steps**
	1	The OGCT member requests to view all the patients with no goals.
	2	OGCS displays a list of patients with no goals and use case ends. • A1: No such patient exists. • E1: System failure
	Alternate Flow A1: No such patient exists	
	1	OGCS displays a message saying that no such patient exists.
	2	OGCT member confirms and use case ends.
	Error Flow E1: System failure.	

	1	The OGCS displays an error message.
	2	The OGCT member confirms and the use case ends.

Use Case Number	UC08
Use Case Name	Assign Goal to Patient
Author	Abdulaziz Alamoudi
Date of Creation	1-May-11
Precondition(s)	Both the patient and the goal should already exist.
Successful Post Condition	A goal is assigned to a patient.
Failed Post Condition	The goal is not assigned to a patient.
Related Use Cases	• UC06: View Patient • UC12: Search Goal
Actors	• OGCT member • Patient
Priority	High
Trigger	The patient's profile should be displayed.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	The user (OGCT member or patient) requests to assign a goal to patient. • A1: Search Goal
	2	The OGCS displays the list of goals. • E1: System failure.
	3	The user selects the goal, fills the required fields and confirms the goal assignment. • A2: The user cancels the process.
	4	The OGCS assigns the goal to the patient and the use case ends.
	Alternate Flow A1: Search Goal	
	1	OGCS executes UC 12 Search Goal.

	Alternate Flow A2: The user cancels the process	
	1	The user cancels the process.
	2	The OGCS displays the patient's profile and the use case ends.
	Error Flow E1: System failure	
	1	The OGCS displays an error message.
	2	The user confirms and the use case ends.

Use Case Number	UC09
Use Case Name	Add Goal
Author	Sameer Alamri
Date of Creation	31-May-11
Precondition(s)	The goal shouldn't exist in the OGCS. The OGCT Member Successfully login.
Successful Post Condition	-The goal is added to the OGCS and can be assigned to a patient. -The goal can be viewed and modified later.
Failed Post Condition	The goal is not added to OGCS.
Related Use Cases	UC08: Assign Goal to patient UC14: Generate Report for goal
Actors	OGCT member
Priority	High
Trigger	The list of goals is displayed.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	The OGCT member is going to request to add a goal.
	2	The OGCS asks OGCT member to select type of the goal. 1. REINFORCEMENT 2. PUNISHMENT
	3	The OGCT member chooses the goal type.

	4	The OGCS asks the OGCT Member to enter Goal information: Goal Name. Goal Description. Goal MaxPointScale Goal MinPointScale.
	5	The OGCT Member enters the information then proceeds. A1: The OGCT member resets the fields. A2: The OGCT member cancels the addition of the goal.
	6	The OGCS creates the goal and the use case ends. A3: Similar goal already exists. E1: System failure.
Alternate Flow A1: The OGCT member resets the fields		
	1	The OGCT member chooses to reset all fields.
	2	The OGCS empties all fields and the flow goes back to step 4 of the main flow.
Alternate Flow A2: The OGCT member cancels the addition of the goal		
	1	The OGCT member chooses to cancel the addition of a goal.
	2	The addition process is cancelled and the use case ends.

	Alternate Flow A3: Similar goal already exists	
	1	The OGCS notifies the OGCT member that a similar goal already exists.
	2	The user chooses to search for this goal.
	3	The OGCS executes UC12 Search Goal and the use case ends.
	Error Flow E1: System failure.	
	1	The OGCS displays an error message.
	2	The OGCT member confirms and the use case ends.

Use Case Number	UC10
Use Case Name	Delete Goal
Author	Sameer AlAmri.
Date of Creation	1-June-11
Precondition(s)	The goal should already exist in the OGCS.
Successful Post Condition	The goal is deleted from OGCS.
Failed Post Condition	The goal is not deleted from OGCS.
Related Use Cases	UC12: Search Goal.
Actors	OGCT member.
Priority	High
Trigger	A list of goal is displayed.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	The OGCS will display a list of goals. A1: OGCT member searches for a goal.
	2	The OGCT member will delete the goal.
	3	The OGCS will display a confirmation message.
	4	The OGCT member will confirm the deletion. A2: The OGCT member cancels the operation.
	5	The OGCS will delete the goal and the use case ends. E1: System failure
	Alternate Flow A1: OGCT member searches for a goal	

	1	UC12 Search Goal is executed.
	Alternate Flow A2: The OGCT member cancels the operation	
	1	The OGCT member cancels the operation.
	2	The OGCS cancels the operation and goes back to step 1 of the main flow.
	Error Flow E1: System failure.	
	1	The OGCS displays an error message.
	2	The OGCT member confirms and the use case ends.

Use Case Number	UC11
Use Case Name	Modify Goals
Author	Sameer Alamri
Date of Creation	1-June-11
Precondition(s)	The goal that is going to be modified should exist in the OGCS.
Successful Post Condition	The goal modification here doesn't necessarily indicate that the goal needs to be updated only. The goal modification might be done while assigning the goal to the patient but it won't change the original information.
Failed Post Condition	Failure of goal modification process.
Related Use Cases	UC12: Search Goal
Actors	OGCT member
Priority	High
Trigger	The goals Description and scale are displayed.
Flow of Events	Basic Flow

	Step Number	Steps
	1	The OGCT member is going to select the goal that needs to be changed. A1: The OGCT member wants to search for a goal.
	2	The system will display the goal's related information. E1: System Failure.
	3	The OGCT member will change the information that he/she needs and confirms the changes. Changes :

		Goal Scale. Goal Description.
	4	The OGCS updates the modified fields and the use case ends. A2: The MinPoint greater than MaxPoint
	Alternate Flow A1: The OGCT member wants to search for a goal.	
	1	UC12 Search Goal is executed.
	Alternate Flow A2: The MinPoint greater than MaxPoint	
	1	The OGCS displays a message saying that a MinPointScale is greater than MaxPointScale.
	2	The OGSC confirms the message and the flow returns back to basic flow step 3.
	Error Flow E1: System Failure.	
	1	The system displays error message.
	2	The OGCT member confirms and the use case ends.

Use Case Number	UC12	
Use Case Name	Search Goal	
Author	Sameer Alamri.	
Date of Creation	1-June-11	
Precondition(s)	None	
Successful Post Condition	The goals that fit the query are displayed.	
Failed Post Condition	No results were found.	
Related Use Cases	UC10: Delete Goal UC11: Modify Goal	
Actors	OGCT member	
Priority	High	
Trigger	The goal screen is displayed.	
Flow of Events	**Basic Flow**	
	Step Number	**Steps**
	1	The OGCT member is going to enter the search criteria. -Keyword. -Type. -Checkbox (most popular, most successful and most failed).

	2	The OGCS is going to display a filtered list of goals.
		
		    A1: The intended goal was not found.
		    E1: System Failure.

	3	The OGCT member is going to select the intended goal and the use case ends.
	Alternate Flow A1: The intended goal was not found.	
	1	The OGCS couldn't find the required results. Then the flow goes back to step 1 of the main flow.
	Error Flow E1: System Failure	
	1	The OGCS displays an error message.
	2	The OGCT member confirms and the use case ends.

Use Case Number	UC13
Use Case Name	Generate Report for Patient.
Author	Sameer Al-Amri
Date of Creation	1-June-11
Precondition(s)	OGCT member is logged-in the system.
Successful Post Condition	OGCS shows the report to OGCT member.
Failed Post Condition	Report is not generated by OGCS.
Related Use Cases	None.
Actors	OGCT member.
Priority	High
Trigger	OGCT member clicks on Patient Reports.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	OGCT member clicks on Patient Reports.
	2	OGCS shows the patient report page and prompts OGCT member to select patient report type: Success Ratio Dropout Ratio No Goals Assigned
	3	OGCT member selects one of the patient reports type: Success Ratio Dropout Ratio No Goals Assigned
	4	OGCS prompts OGCT member to select and fill in one or more of the following report

		criteria:
		
		 Age
		 Weight
		 BMI
		And to select the report period:
		
		 Report Period
		  Current Month
		  Last Month
		  Current week
		  Last Week

	5	OGCT member Select and fill in the report criteria Select the report period And clicks Generate.
	6	OGCS generates and shows the report based on the entered report type, criteria, and period with the appropriate graphical representation of data. A1: No records match report criteria. A2: Save Report. E1: Database is not accessible.
	Alternate Flow A1: No records match report criteria.	
	1	OGCS shows a message saying that no records match the report criteria.
	2	OGCT member confirms the message and the flow returns back to Basic flow step 4.
	Alternate Flow A2: Save Report.	
	1	OGCT member clicks on save report.

	2	OGCS shows a message saying that the report has been saved successfully. And the flow returns back to Basic flow step 2.
	Error Flow E1: Database is not accessible.	
	1	System shows a message saying that the database is not accessible and use case ends.

Use Case Number	UC14
Use Case Name	Generate Reports for Goals
Author	Sameer Al-Amri
Date of Creation	01-June-11
Precondition(s)	OGCT member is logged-in the system.
Successful Post Condition	OGCS shows the report to OGCT member.
Failed Post Condition	Report is not generated by OGCS.
Related Use Cases	None.
Actors	OGCT member.
Priority	High
Trigger	OGCT member clicks on Goals Reports.

Flow of Events	**Basic Flow**	
	Step Number	**Steps**
	1	OGCT member clicks on Goals Reports.
	2	OGCS shows the goals report page and prompts OGCT member to select goal report type: Most Chosen Goals Most Successful Goals Number of chosen goals and relation to outcome.
	3	OGCT member selects one of the goals reports type.
	4	OGCS prompts OGCT member to select and fill in one or more of the following report

		criteria:
		Patients' Age Range Weight Range BMI Range A1: Generate report without report criteria.
	5	OGCT member Selects and fills in the report criteria.

	6	OGCS prompts OGCT member to select the report period:
		
		Report Period
		    Current Month
		    Last Month
		    Current week
		    Last Week

	7	OGCT member selects the report period and clicks Generate.
	8	OGCS generates and shows the report based on the entered report type, criteria, and period with the appropriate graphical representation of data. A2: No records match report criteria. A3: Save Report. E1: Database is not accessible.
	A1: Generate report without report criteria.	
	1	OGCT member clicks on Generate report

		without entering report criteria and the flow returns back to Basic flow step 6.
	Alternate Flow A2: No records match report criteria.	
	1	OGCS shows a message saying that no records match the report criteria.
	2	OGCT member confirms the message and the flow returns back to Basic flow step 4.
	Alternate Flow A3: Save Report.	
	1	OGCT member clicks on save report.
	2	OGCS shows a message saying that the report has been saved successfully. And the flow returns back to Basic flow step 2.
	Error Flow E1: Database is not accessible.	
	1	System shows a message saying that the database is not accessible and use case ends.

Use Case Number	UC15
Use Case Name	Add Team Member
Author	Sameer Al-Amri
Date of Creation	1-June-11
Precondition(s)	• OGCT Member (Admin) successfully login into the OGCS. • The new OGCT member does not already exist in the OGCS.
Successful Post Condition	OGCT member is added to the OGCS successfully.
Failed Post Condition	OGCT member is not added to the OGCS.
Related Use Cases	None.
Actors	OGCT Member (Admin).
Priority	High
Trigger	New OGCT member join the OGC program staff

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	OGCS prompts the user to enter the following information: First name Last name Date of birth Gender E-Mail Phone Number Aramco ID Username Password
	2	OGCT Member (Admin) enters all the required information

	3	OGCS display message saying that the new OGCT member has been added successfully to the OGCS. A1: OGCT member already exists in the OGCS.
	4	OGCT Member (Admin) confirms the message and use case ends.
	Alternate Flow A1: OGCT member is already exist in the OGCS	
	1	OGCS displays a message saying that the OGCT member already exists.
	2	OGCT Member (Admin) confirms and the flow returns to step 1 of the basic flow

Use Case Number	UC16
Use Case Name	Delete Team Member
Author	Sameer Al-Amri
Date of Creation	1-June-11
Precondition(s)	• OGCT member (Admin) successfully login into the OGCS. • The OGCT member exists in the OGCS.
Successful Post Condition	OGCT member is deleted from the OGCS successfully.
Failed Post Condition	OGCT member is not deleted to the OGCS.
Related Use Cases	UC18: Search Team Member.
Actors	OGCT member (Admin).
Priority	Medium
Trigger	OGCT member leaves the OGC program.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	"UC18: Search Team Member" is executed
	2	OGCT member (Admin) chooses to delete OGCT member.
	3	OGCS displays message saying that following OGCT member (Admin) will be deleted. A1: OGCT member deleted is an admin.
	4	OGCT member (Admin) confirms and use case ends. A2: OGCT member (Admin) does not confirm.

	Alternate Flow A1: OGCT member (Admin) deleted is an admin.	
	1	OGCS displays a message saying that the OGCT member (Admin) deleted is an admin and prompts the OGCT member (Admin) to choose another admin.
	2	OGCT Member (Admin) confirms and flow returns back to basic flow step 4.
	Alternate Flow A2: OGCT member (Admin) does not confirm.	
	1	OGCT member (Admin) does not confirm.
	2	OGCS returns the flow to basic flow step 1.

Use Case Number	UC17
Use Case Name	Edit Team Member
Author	Sameer Al-Amri
Date of Creation	1-June-11
Precondition(s)	OGCT member (Admin) successfully login into the OGCS.
Successful Post Condition	OGCT member information is updated in the OGCS successfully.
Failed Post Condition	OGCT member profile is not updated in the OGCS.
Related Use Cases	UC18: Search Team Member.
Actors	OGCT member (Admin).
Priority	Medium.
Trigger	OGCT member (Admin) chooses to changes OGCT member information.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	"UC18: Search Team Member" is executed
	2	OGCT member (Admin) chooses to modify OGCT member.
	3	OGCS displays OGCT member profile with enabled editing filed.
	4	OGCT member (Admin) edits the OGCT member profile and confirms. A1: Member with similar information exists in the system
	6	OGCS display the updated profile.
	7	OGCT member (Admin) confirms and use

		case ends.
	Alternate Flow A1: Member with similar information exists in the system	
	1	OGCT member (Admin) confirms the message.
	2	OGCS returns the flow to basic flow step 1.

Use Case Number	UC18
Use Case Name	Search Team Member
Author	Sameer Al-Amri
Date of Creation	1-June-11
Precondition(s)	OGCT member is logged-in the OGCS successfully.
Successful Post Condition	OGCS shows the result of searching for OGCT member.
Failed Post Condition	None
Related Use Cases	OGCT member(Admin) : UC 16: Delete Team Member UC 17: Edit Team Member UC 19: View Team Member OGCT member : UC 19: View Team Member
Actors	OGCT member.
Priority	High
Trigger	OGCT member chooses to search.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	OGCS prompts the user to enter one or more of the following search criteria: First Name Last Name ARAMCO ID
	2	User enters OGCT member to enter one or more search criteria and confirms.
	3	OGCS returns the search result based on the entered criteria and use case ends. A1: No match found

	Alternate Flow A1: No match found	
	1	OGCS shows a message saying that patient with the entered criteria does not exist.
	2	User confirms the message and the flow returns back to Basic flow step 2.

Use Case Number	UC19	
Use Case Name	View Team Member	
Author	Sameer Al-Amri	
Date of Creation	1-June-11	
Precondition(s)	OGCT member successfully login into the OGCS.	
Successful Post Condition	OGCT member information is displayed.	
Failed Post Condition	OGCT member information is not displayed.	
Related Use Cases	UC18: Search Team Member	
Actors	OGCT member.	
Priority	Medium	
Trigger	OGCT member wants to see OGCT member information.	
Flow of Events	**Basic Flow**	
	Step Number	**Steps**
	1	"UC18: Search Team Member" is executed
	2	User selects the desired profile to be displayed.
	3	OGCS displays OGCT member profile and use case ends.

Use Case Number	UC20
Use Case Name	Evaluate Patient
Author	Abdulaziz Alamoudi
Date of Creation	31-May-11
Precondition(s)	The patient's profile should already exist.
Successful Post Condition	The patient's records are evaluated.
Failed Post Condition	The patient's record is not evaluated.
Related Use Cases	None
Actors	• OGCT member • Patient
Priority	High
Trigger	The patient's progress table is displayed.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	The OGCS displays the patient's profile. • E1: System failure.
	2	The user (OGCT member or patient) enters the patient's progress for goals that he is working on.
	3	The OGCS updates the patient's progress table and the use case ends.
	Error Flow E1: System failure	
	1	The OGCS displays an error message.
	2	The user confirms and the use case ends.

Use Case Number	UC21
Use Case Name	Modify Assigned Goal.
Author	Sameer Al-Amri
Date of Creation	1-June-11
Precondition(s)	• OGCT member or patient logged-in the OGCS successfully. • No Entry is existed in the first slot of the table of weekly assigned goal for the patient.
Successful Post Condition	The weekly Frequency or MaxScale is updated successfully.
Failed Post Condition	The weekly Frequency or MaxScale is not updated.
Related Use Cases	UC 20: Evaluate Patient. UC 08: Assign Goal To Patient.
Actors	OGCT member or Patient.
Priority	High
Trigger	Patient wants to increase his performance.

Flow of Events	Basic Flow	
	Step Number	Steps
	1	OGCS executes "UC06:View Patient"
	2	User edits the frequency or MaxScale then proceed. A1: Patient has no goal.
	3	OGCS displays the updated goal table along with the updated entries. A3: invalid entries.
	Alternate Flow A1: Patient has no goal	

	1	OGCS shows a message saying that patient has no goal. A2: OGCS execute UC08.
	2	User confirms the message and the flow return back to Basic flow step 1.
	Alternate Flow A2: OGCS execute UC08	
	1	OGCS execute "UC08 : Assign Goal To Patient"
	Alternate Flow A3: invalid entries	
	1	OGCS shows a message saying the frequency is greater than seven.
	2	User confirms the message and the flow return back to Basic flow step 2.

Use Case Number	UC22
Use Case Name	Delete Assigned Goal.
Author	Sameer Al-Amri
Date of Creation	1-June-11
Precondition(s)	• OGCT member or patient logged-in the OGCS successfully. • Patient has a goal in progress.
Successful Post Condition	The goal assigned is deleted for that patient.
Failed Post Condition	Goal is not deleted.
Related Use Cases	UC 20: Evaluate Patient. UC 08: Assign Goal To Patient.
Actors	OGCT member or Patient.
Priority	High
Trigger	Patient wants to drop certain goal.

Flow of Events	Basic Flow	
	Step Number	**Steps**
	1	OGCS executes "UC06:View Patient"
	2	User Selects goal/goals to drop then confirms.
	3	OGCS displays the updated goal and use case ends.

7. State transition diagram

## 7.1 Patient Profile management
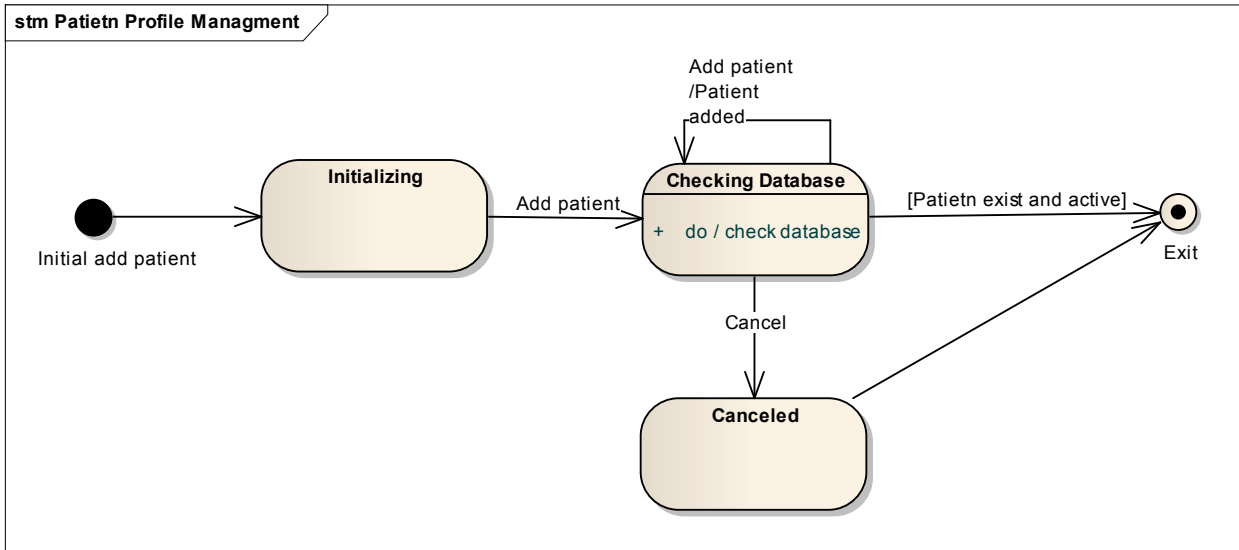
**Figure 10: Add Patient State Transition Diagram**
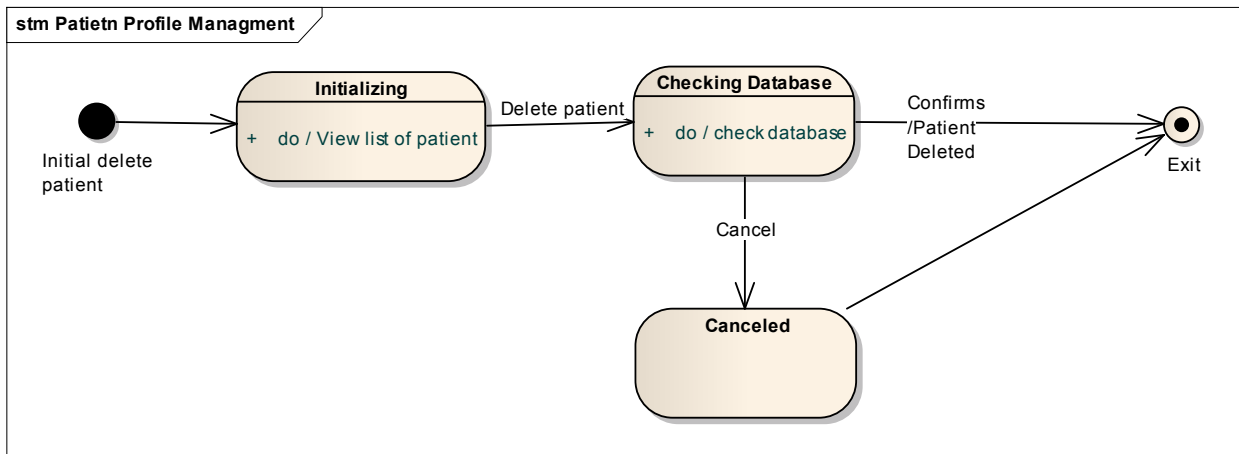
**Figure 11: Delete Patient State Transition Diagram**
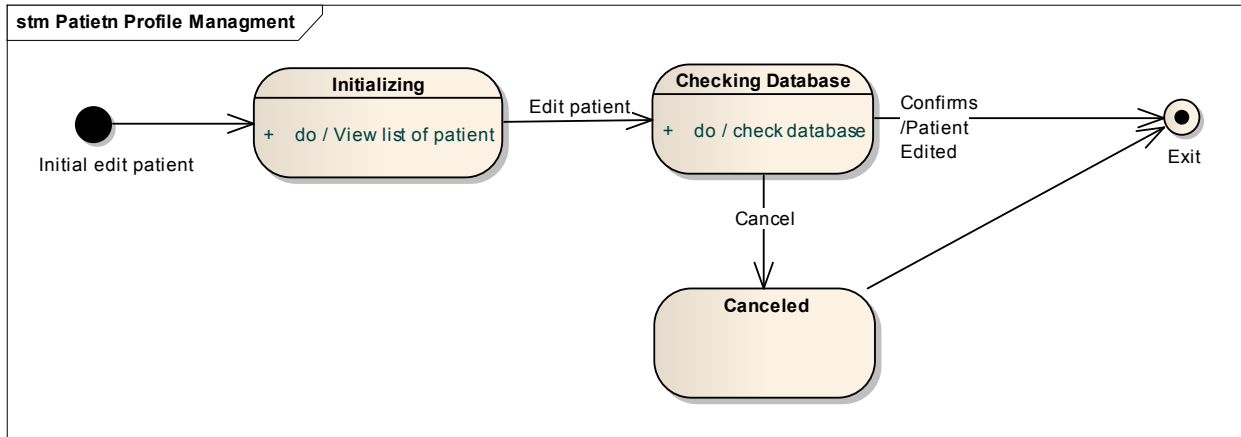
**Figure 12: Edit Patient State Transition Diagram**
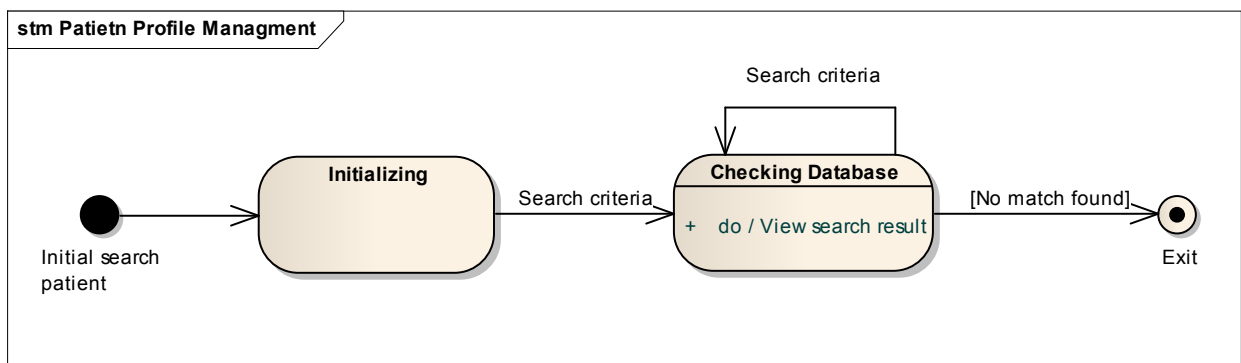
Figure 13: Search Patient State Transition Diagram

7.2   OGCT member profile management
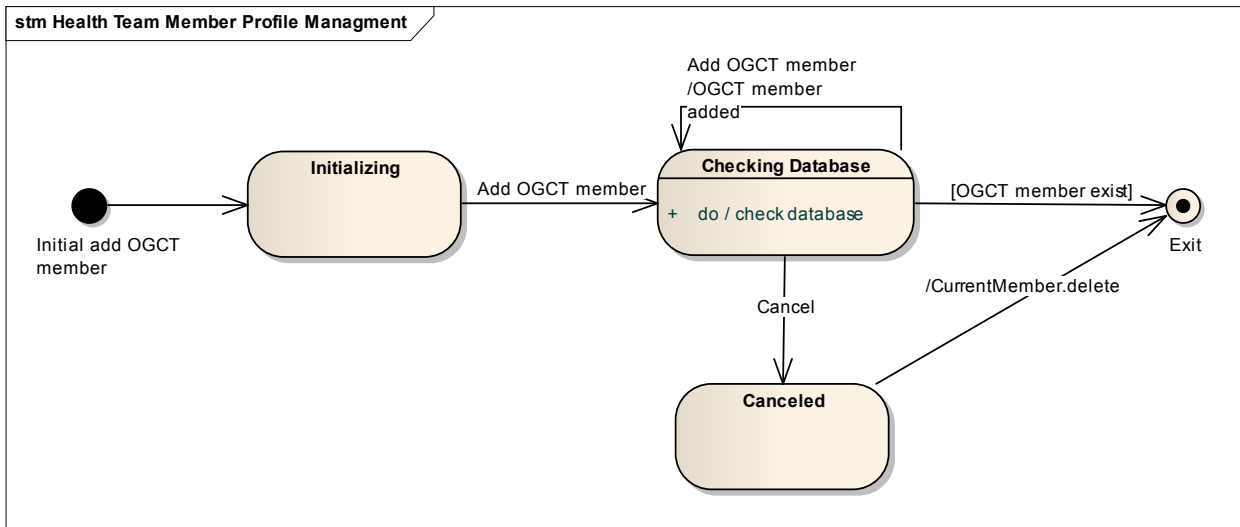

Figure 14: Add OGCT member State Transition Diagram
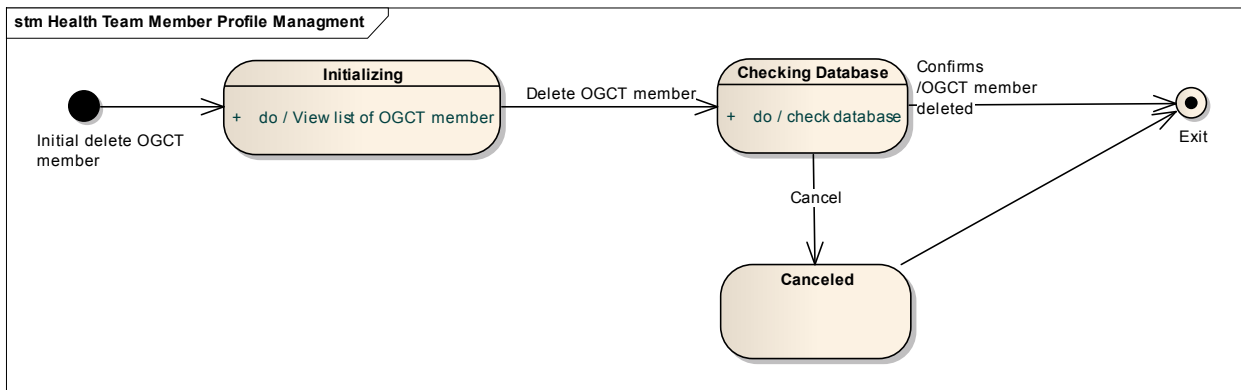
Figure 15: Delete OGCT member State Transition Diagram

stm Health Team Member Profile Managment

Initializing

+ do / View list of OGCT member

Edit OGCT member.

Checking Database

+ do / check database

Confirms /OGCT member edited

Exit

Initial edit OGCT member

Cancel

Canceled
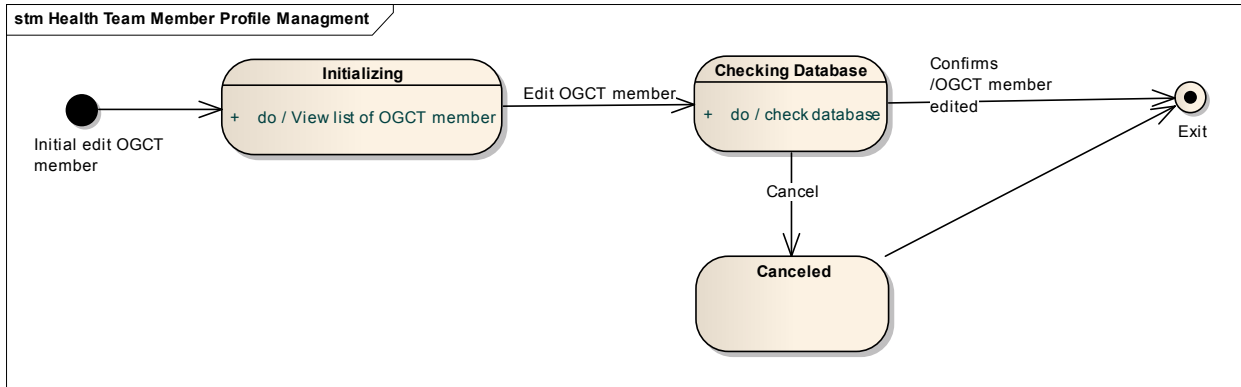
Figure 16: Edit OGCT member State Transition Diagram

stm Health Team Member Profile Managment

Search critetia

Initializing

Search critetia

Checking Database

+ do / View search result

[No match found]

Exit

Initial search OGCT member
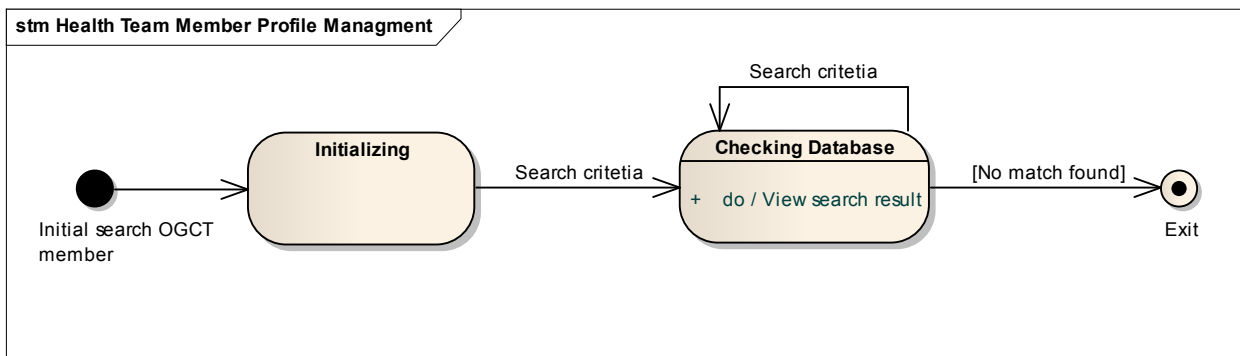
Figure 17: Search OGCT member State Transition Diagram

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## 7.3   Follow-up reminders
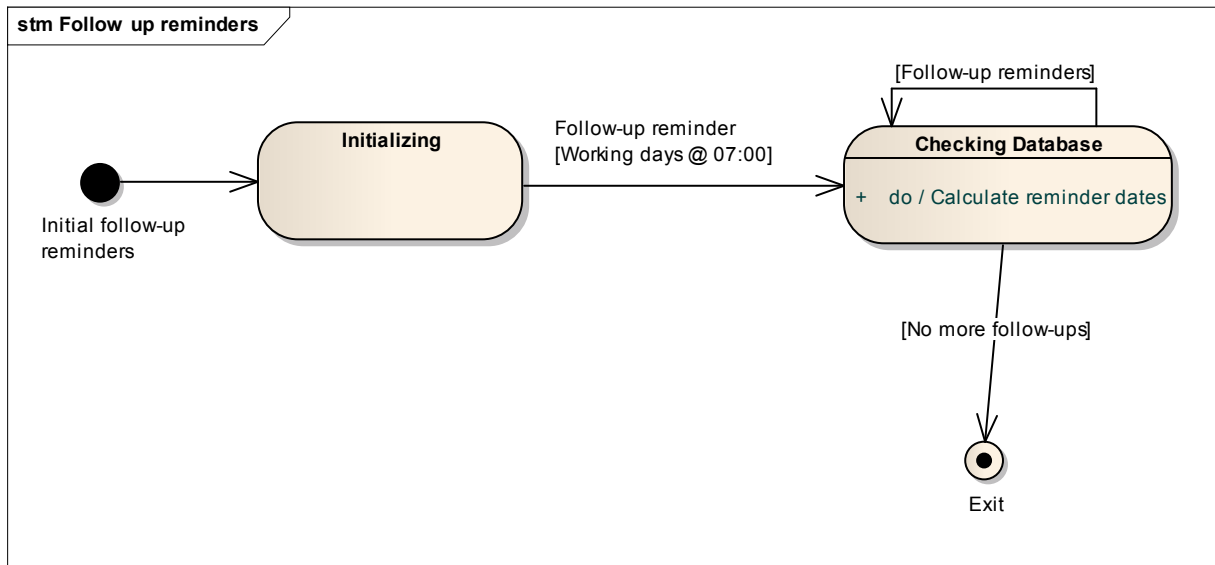
Figure 18: Follow-Up Reminder State Transition Diagram

7.4   Goals Management
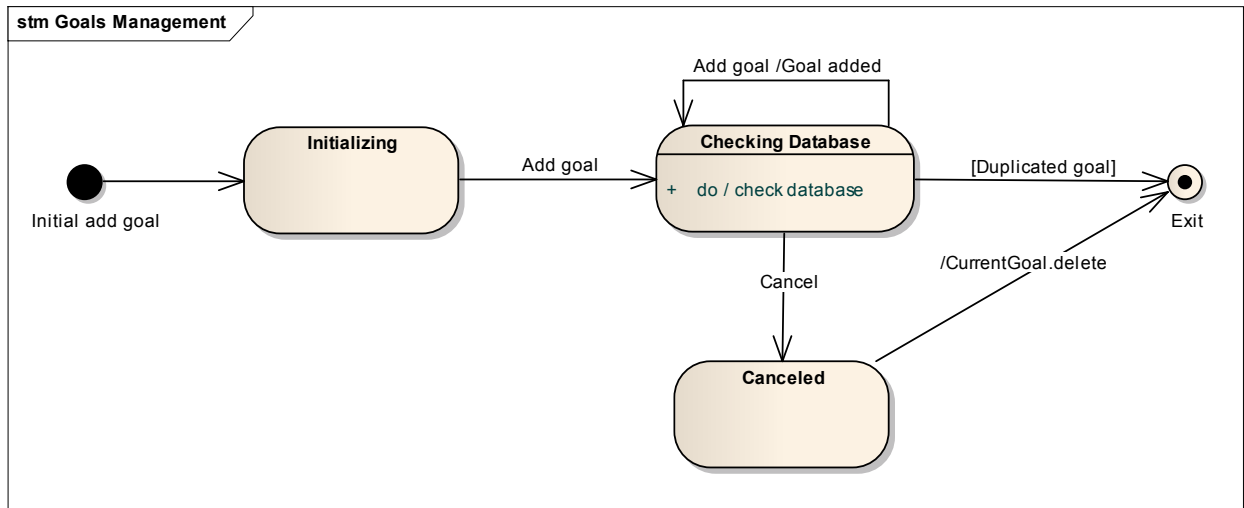
**Figure 19: Add Goal State Transition Diagram**
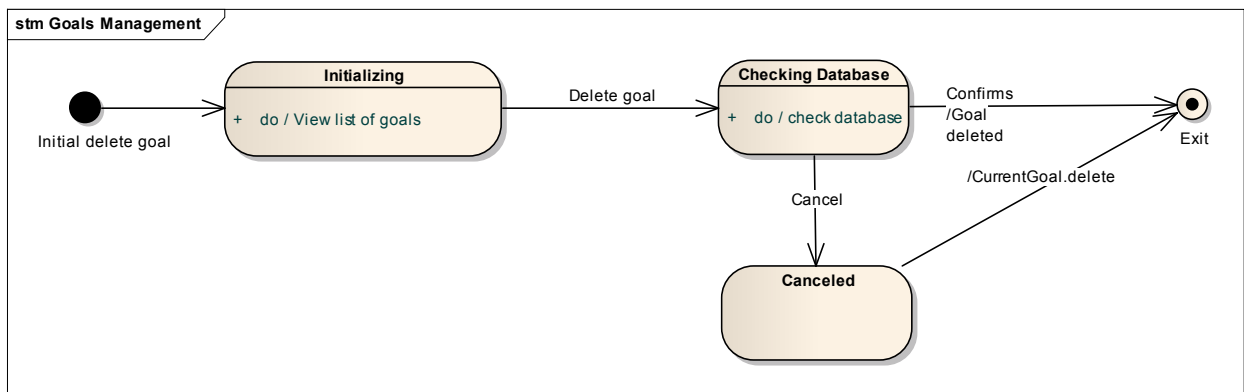
Figure 20: Delete Goal State Transition Diagram

stm Goals Management

Initializing

+ do / View list of goals

Initial customize goal

Customize goal

Customize goal /Goal customized

Checking Database

+ do / check database

Confirms /Goal edited

Exit

Cancel

Canceled
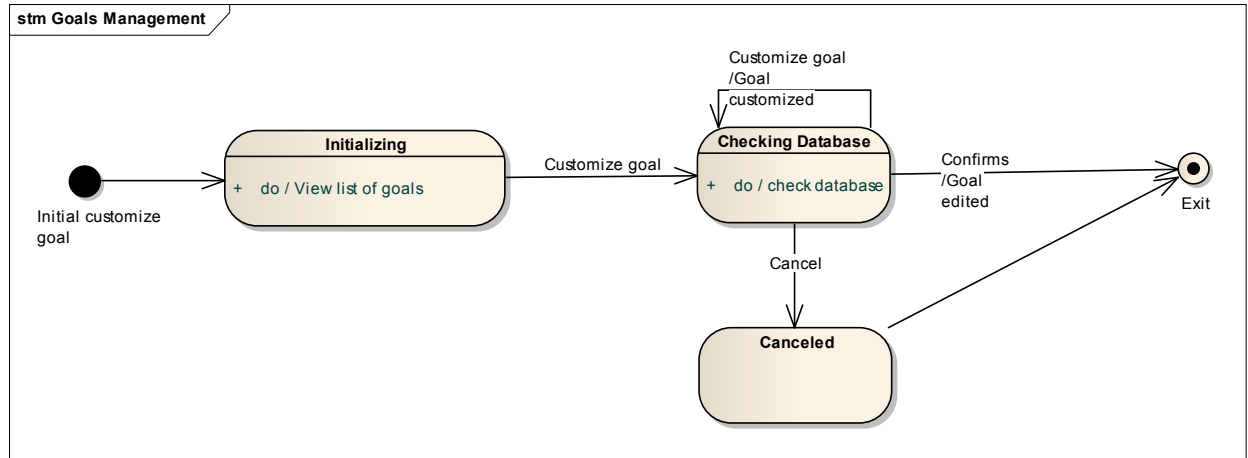
Figure 21: Edit Goal State Transition Diagram

stm Goals Management

Initializing

+ do / View list of pateients

Initial assign goal

Patient /set goalsCount = 0

Assigning

+ do / Assign goal to patient
+ entry / View list of goals

[goalsCount = 1]

Exit

Cancel

Canceled
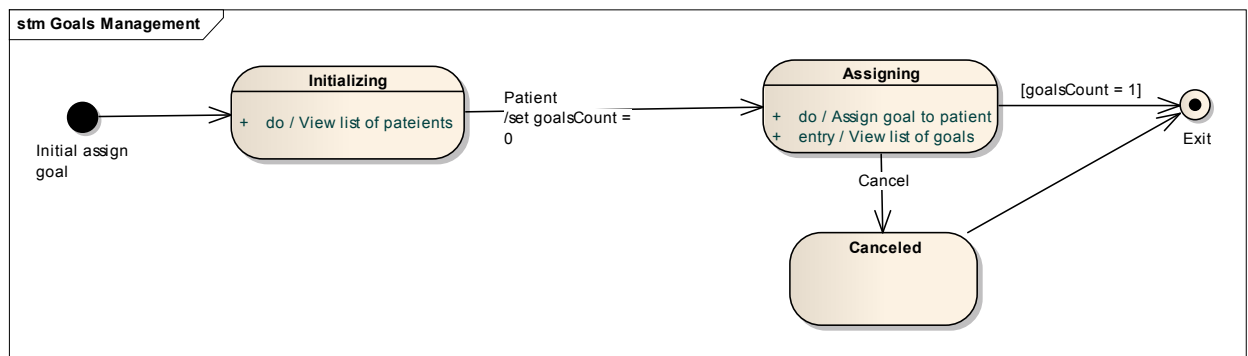
Figure 22: Assign Goal State Transition Diagram (OGCT)

stm Goals Management

Initializing

+ do / View list of goals

Initial assign goal Patient

Patient /set goalsCount = 0

Patient /set goalsCount =+1

Assigning

+ do / Assign goal to patient
+ entry / View list of goals

Exit

Canceled
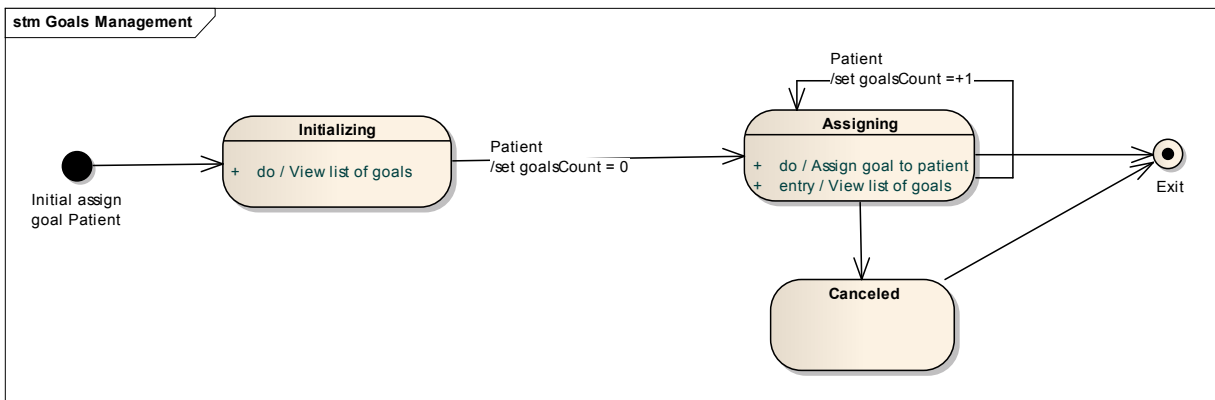
Figure 23: Assign Goal State Transition Diagram (Patient)

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7.5   Goals Suggestion

stm Goals Suggestion

/Goals suggested

Initializing

+   do / Load patient data

Initial goal
suggestion

Patient data

Checking Database

+   do / check database

[No data available]

Exit

Cancel

Canceled
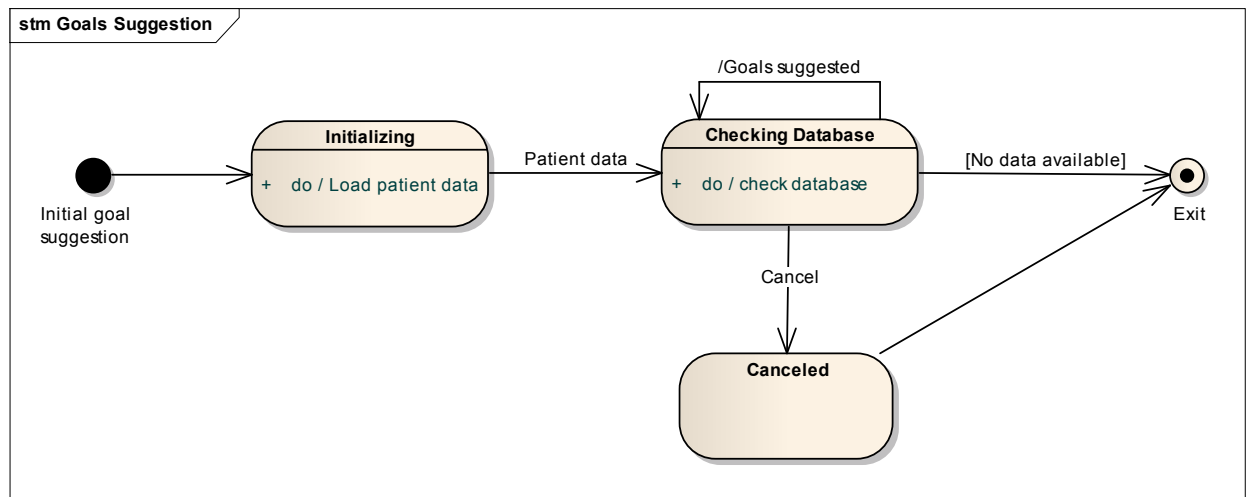
Figure 24: Goal Suggestion State Transition Diagram (OGCT View)

7.6   Report Management
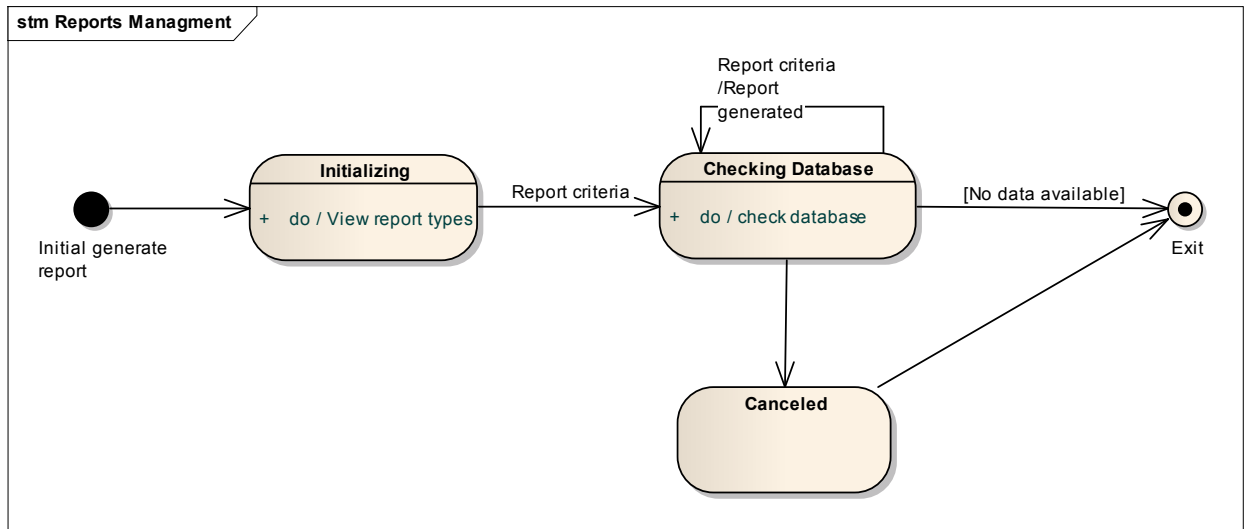
Figure 25: Report Management State Transition Diagram

7.7   System
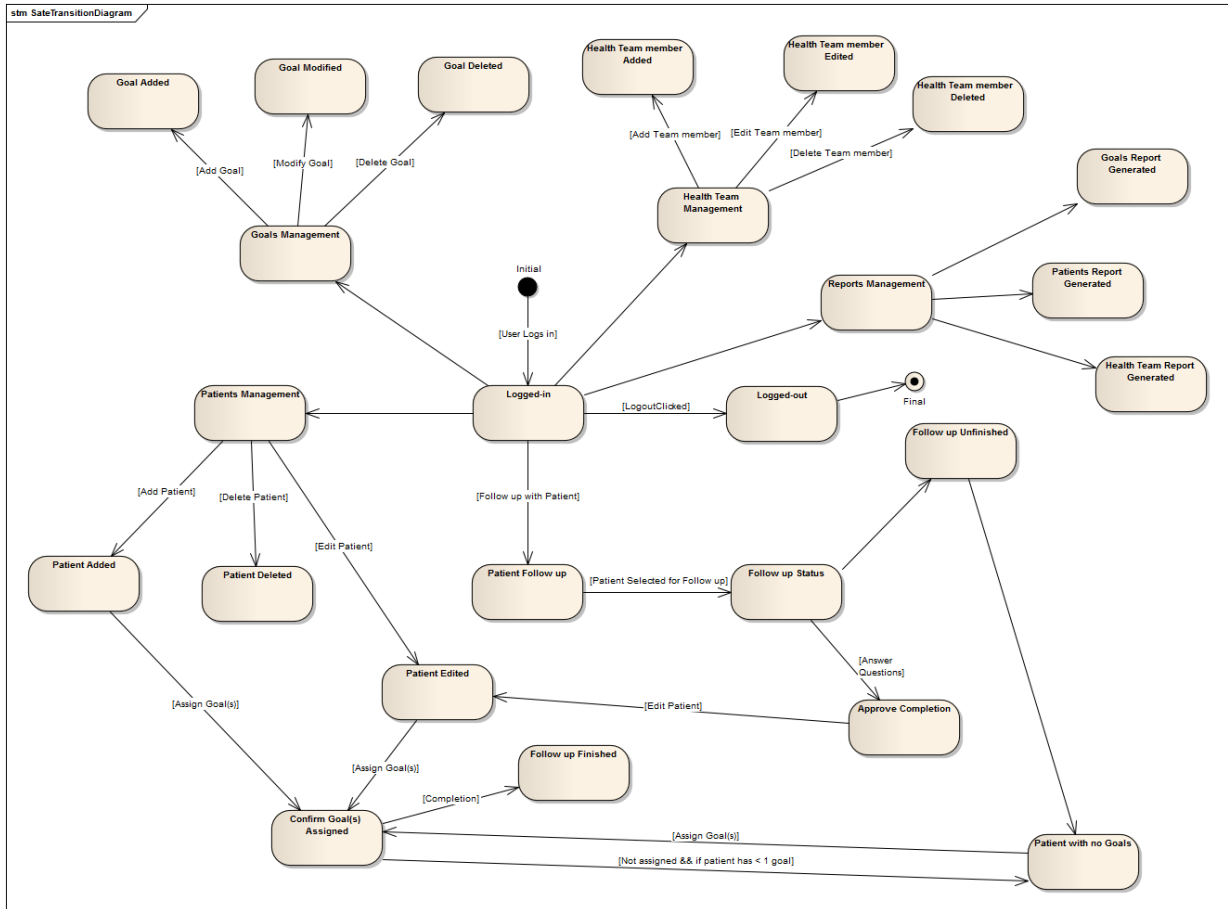
Figure 26: System State Transition Diagram

8. Class model

8.1 Class diagram
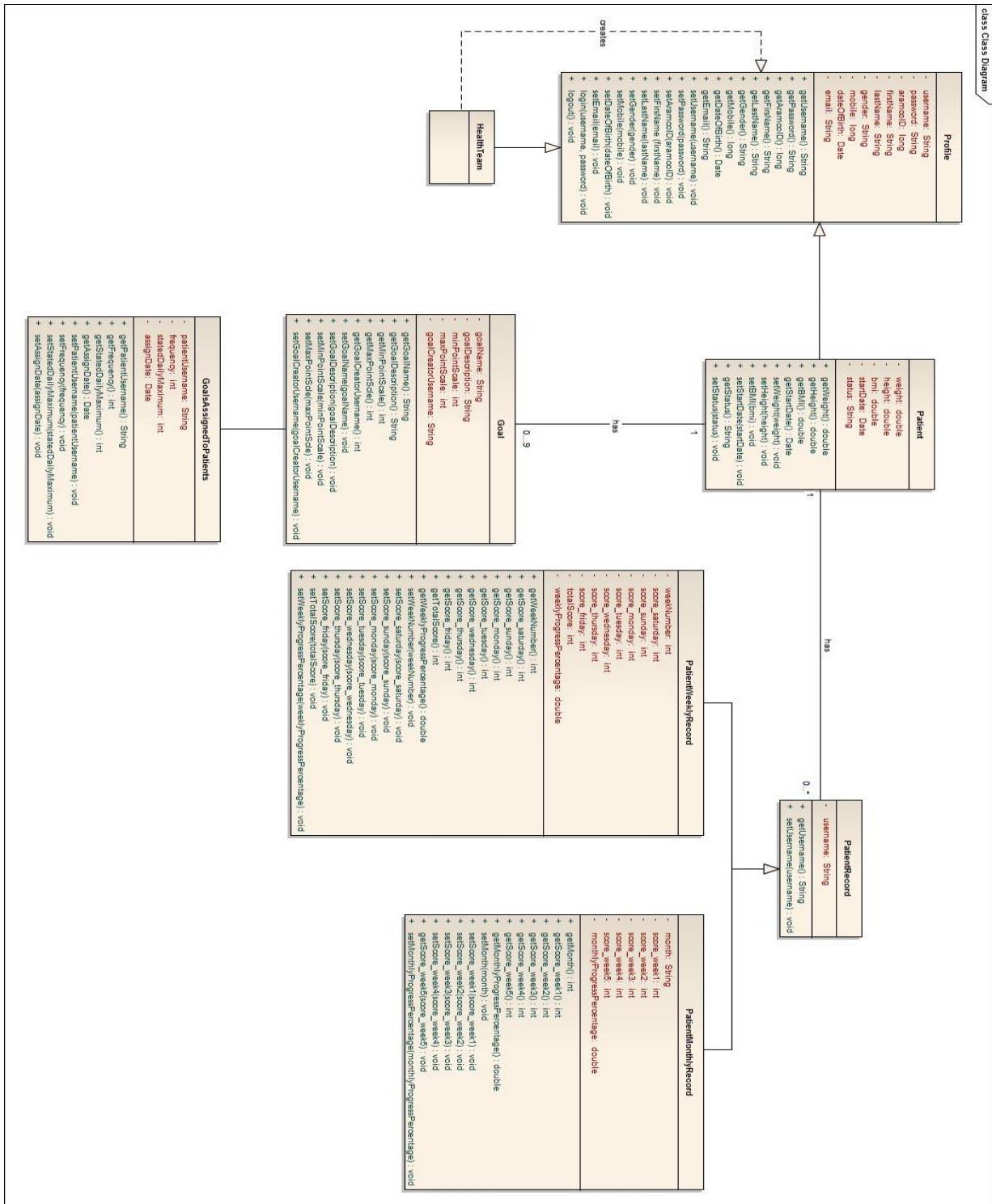
Figure 27: Class Diagram

9. Sequence diagram model
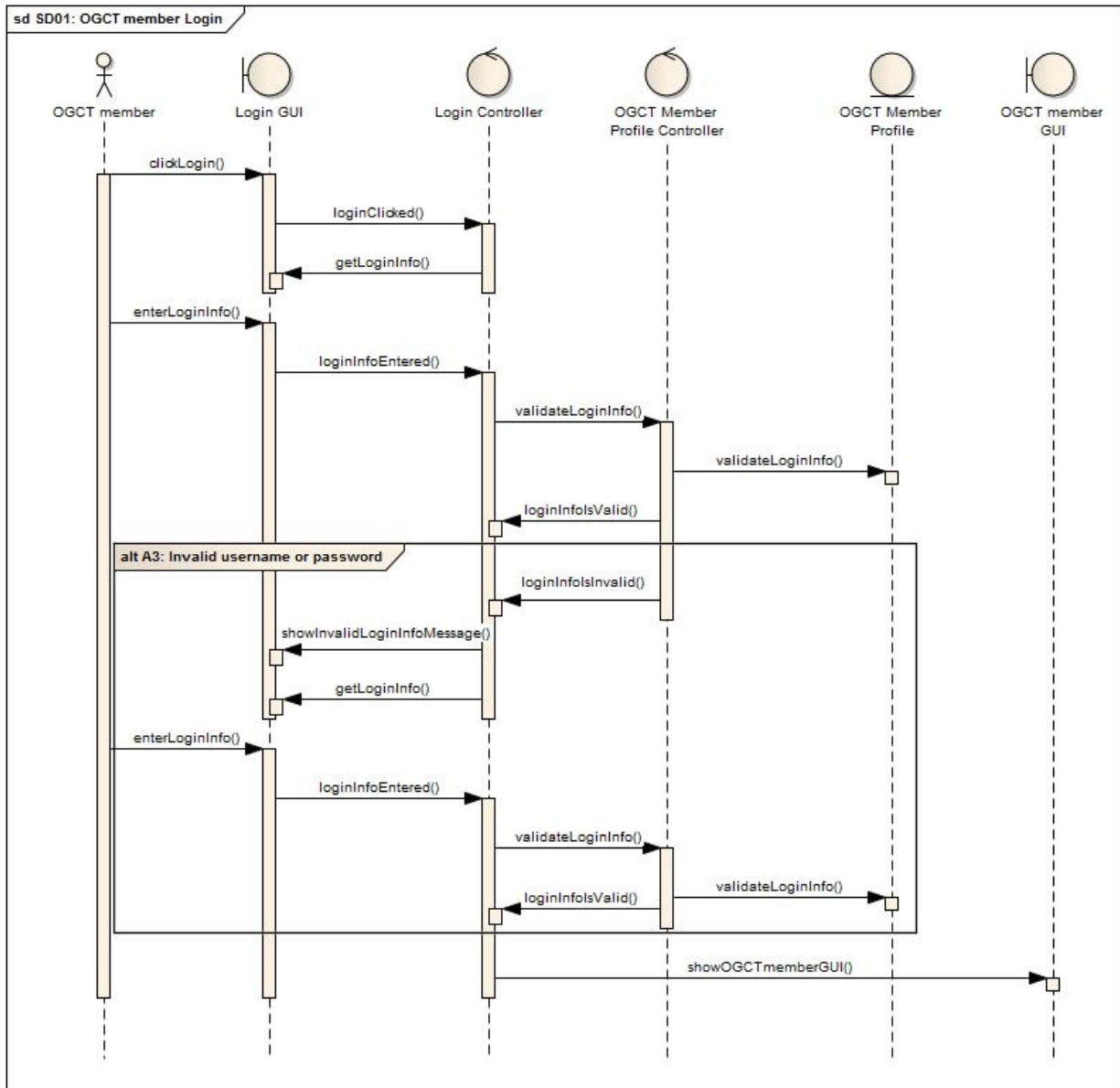
Figure 28: OGCT login Sequence Diagram
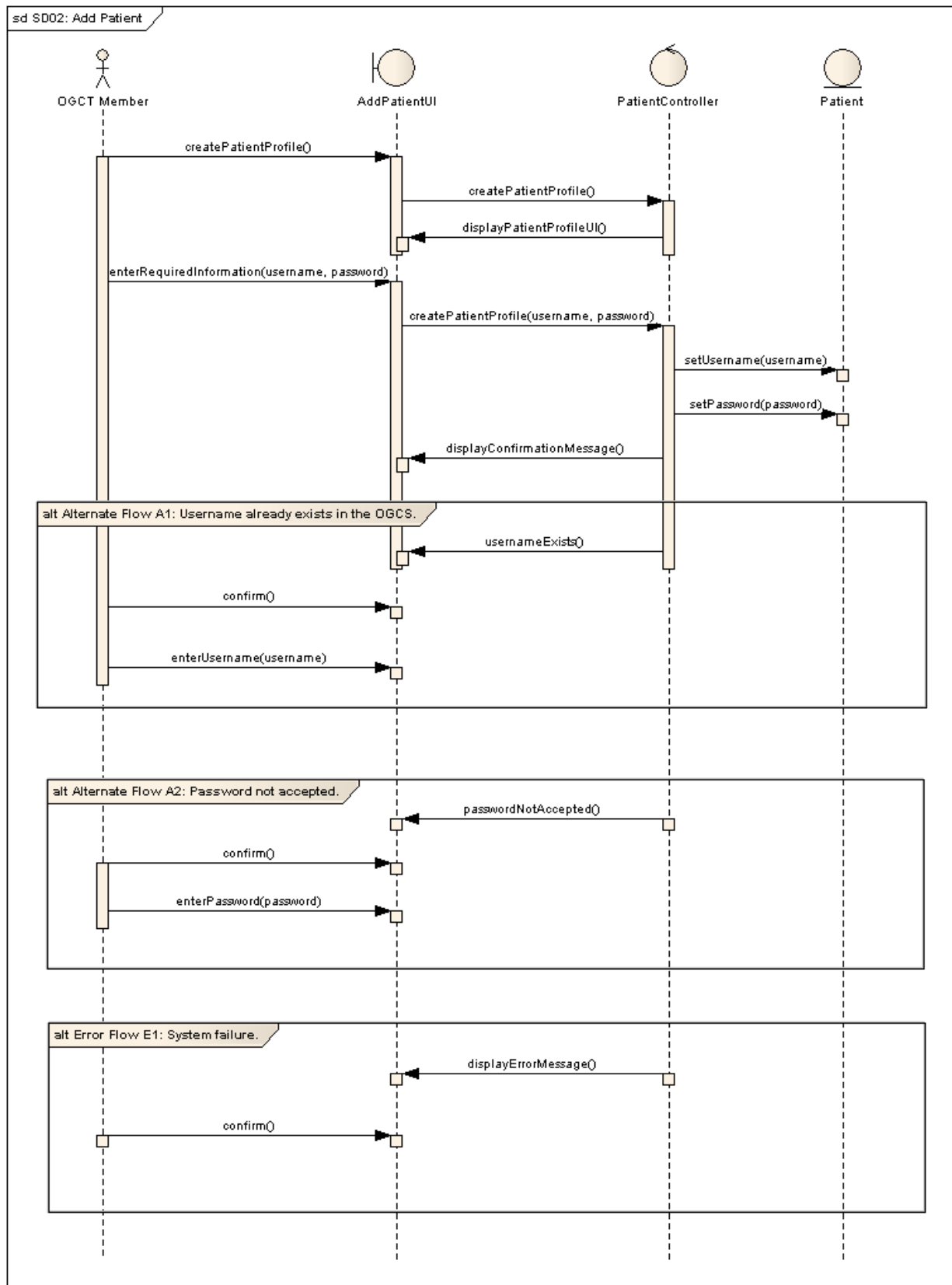
Figure 29: Add Patient Sequence Diagram
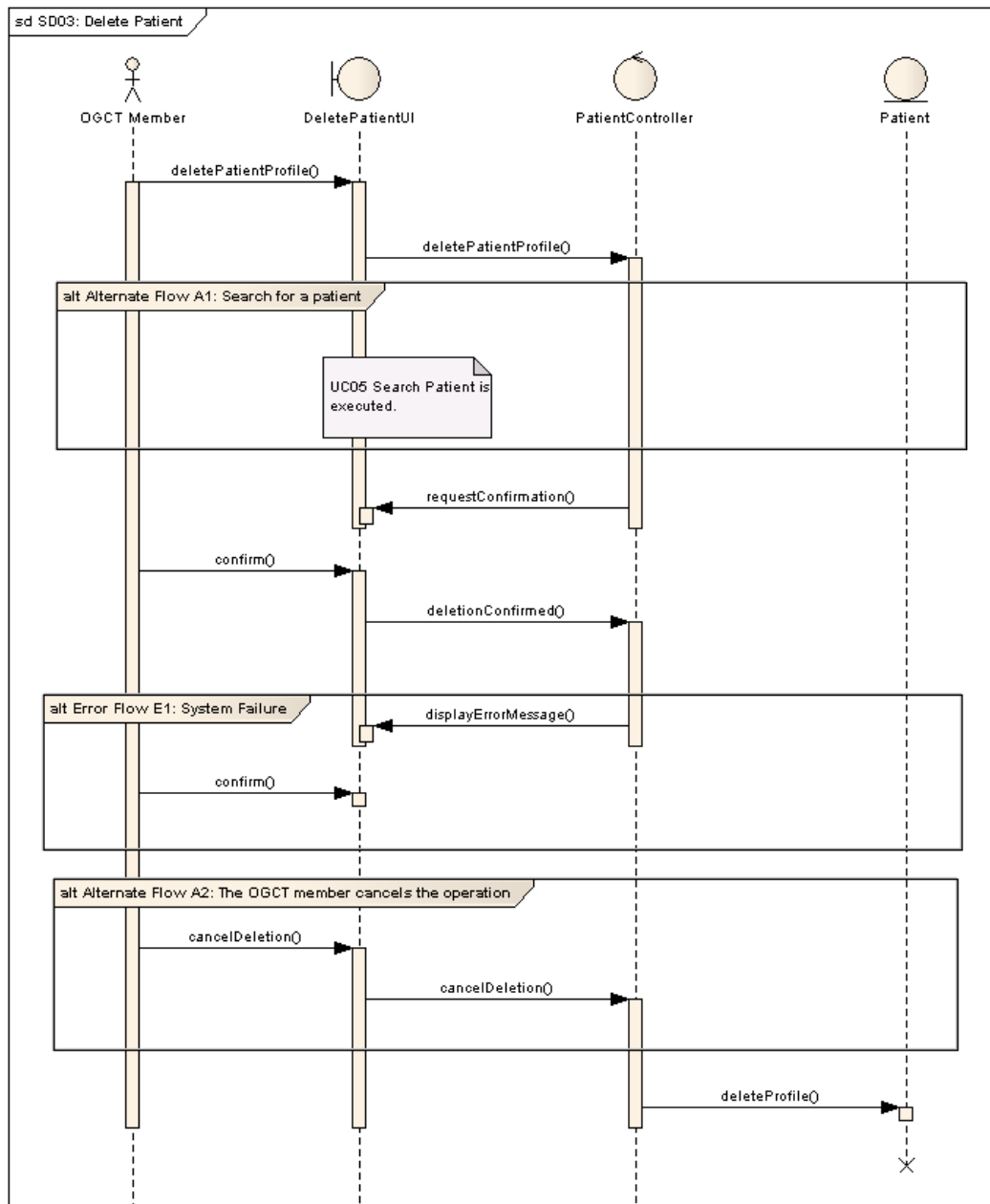
Figure 30: Delete Patient Sequence Diagram
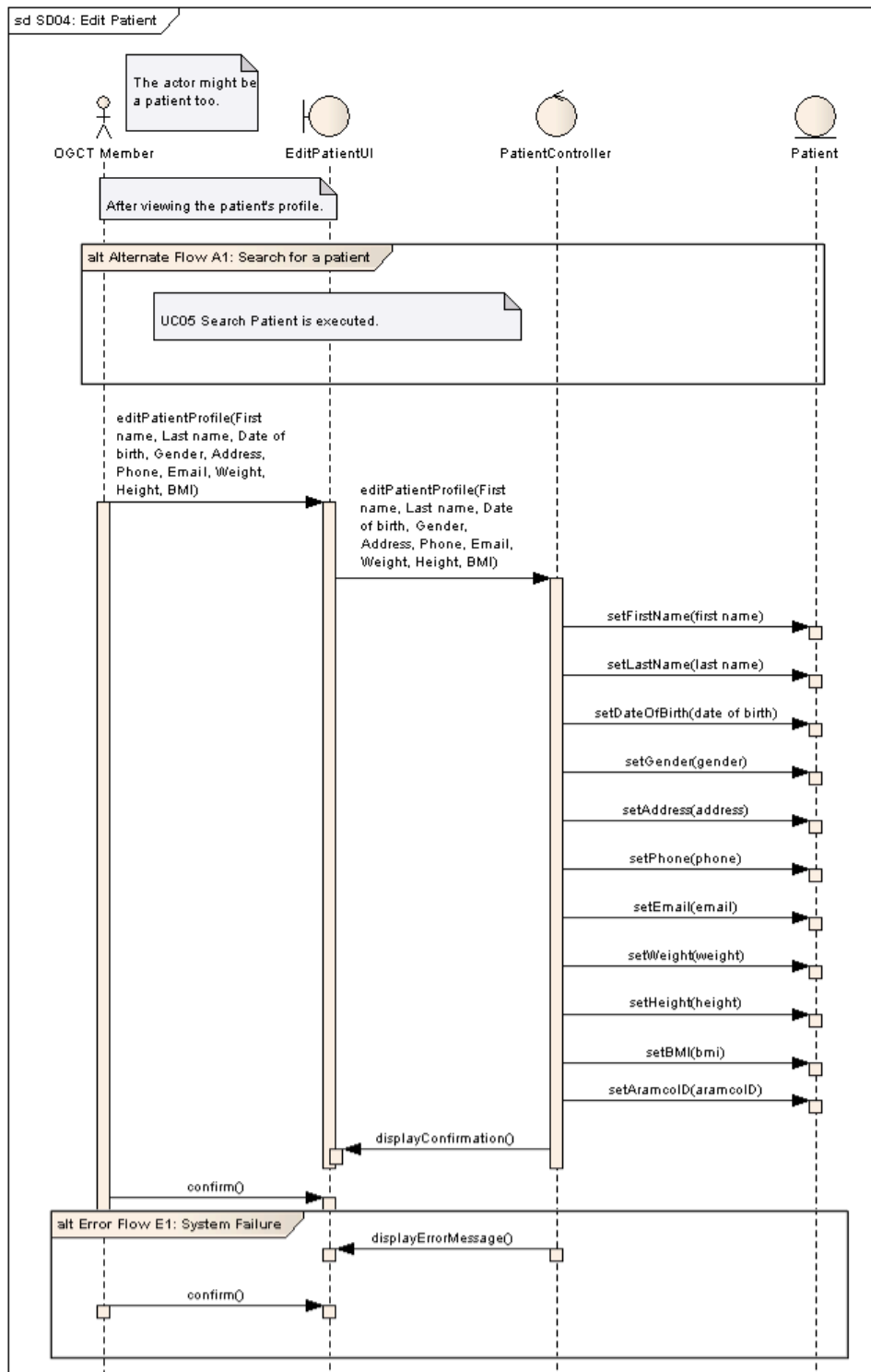
Figure 31: Edit Patient Sequence Diagram
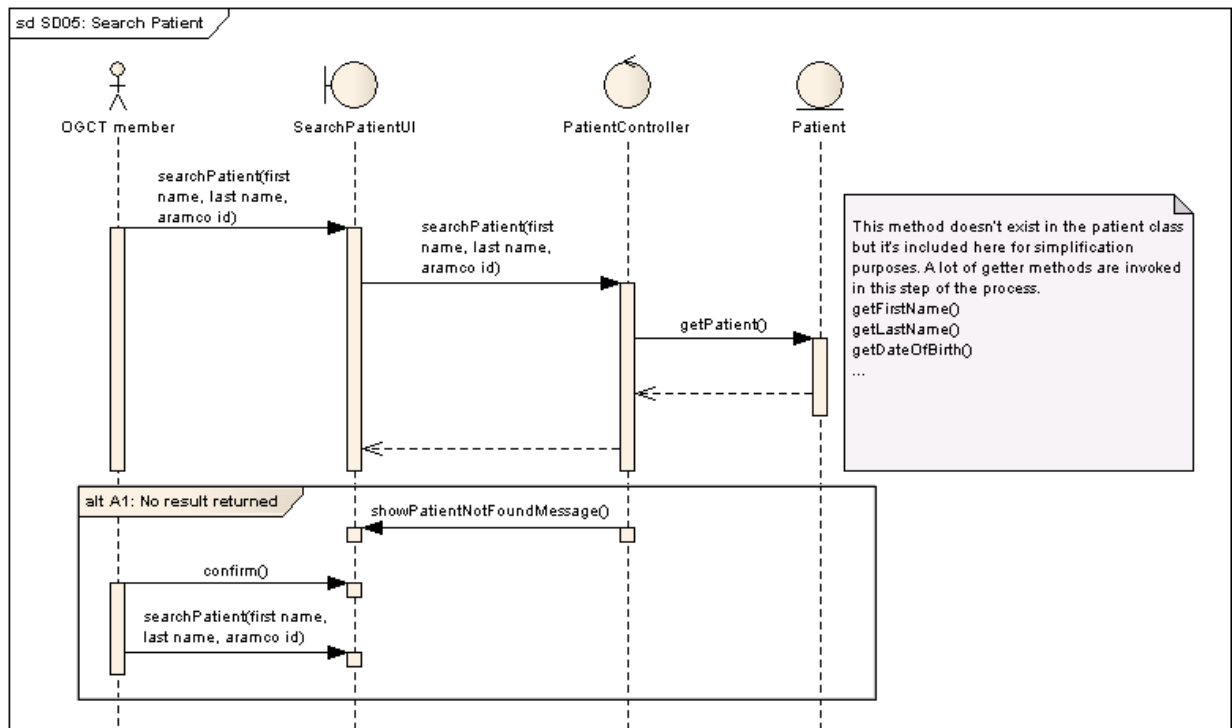
Figure 32: Search Patient Sequence Diagram
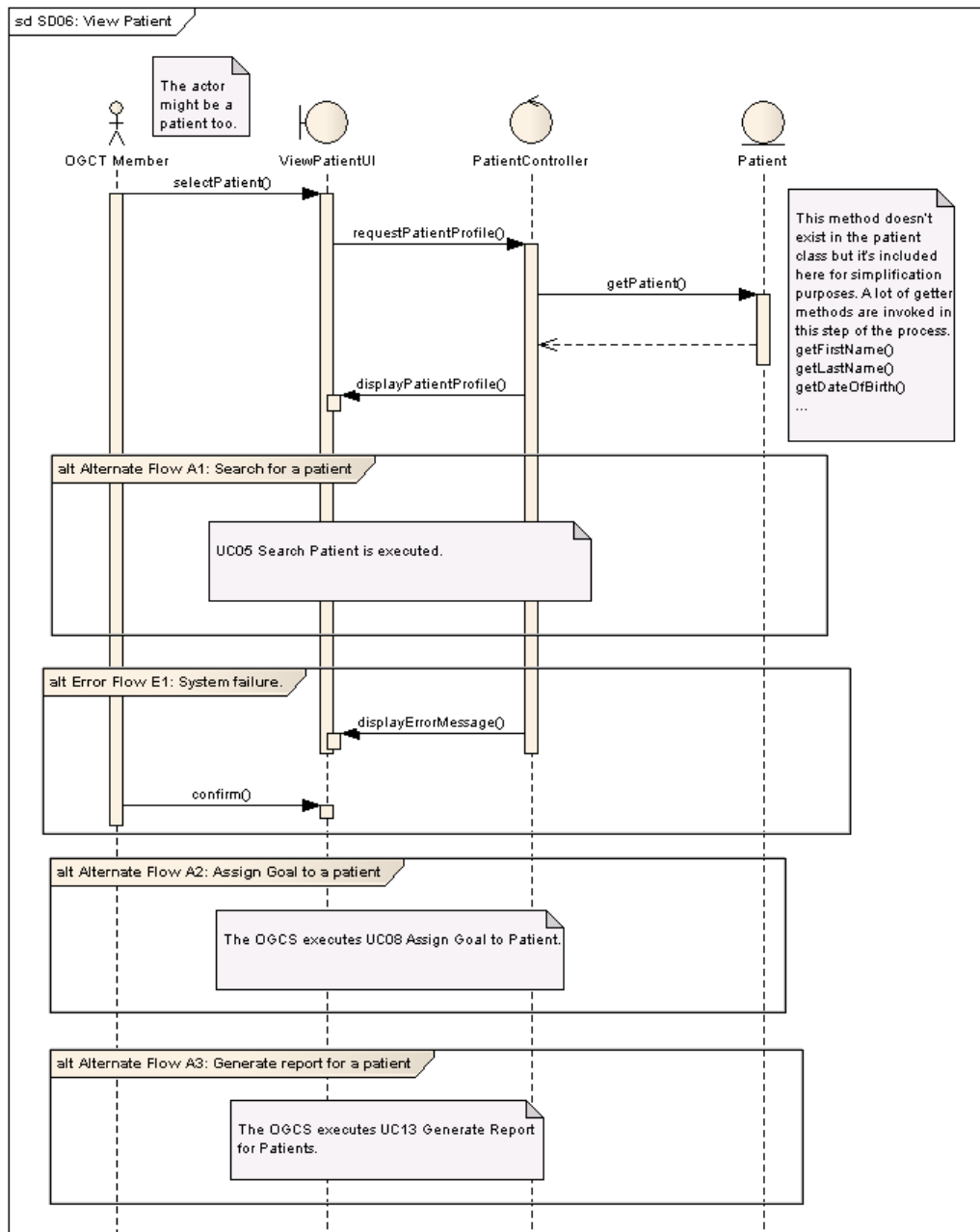
Figure 33: View Patient Sequence Diagram
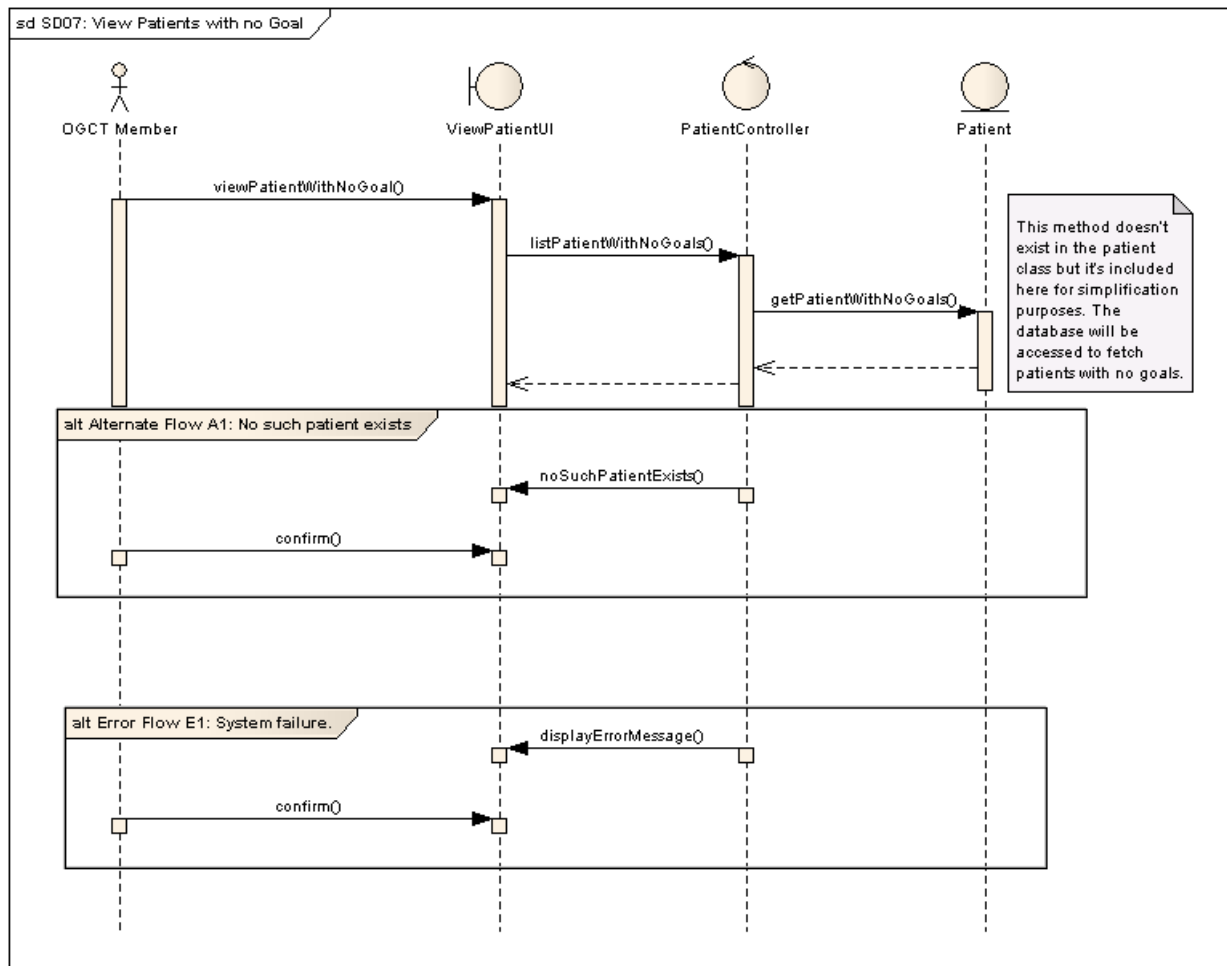
Figure 34: View Patient With No Goals Sequence Diagram
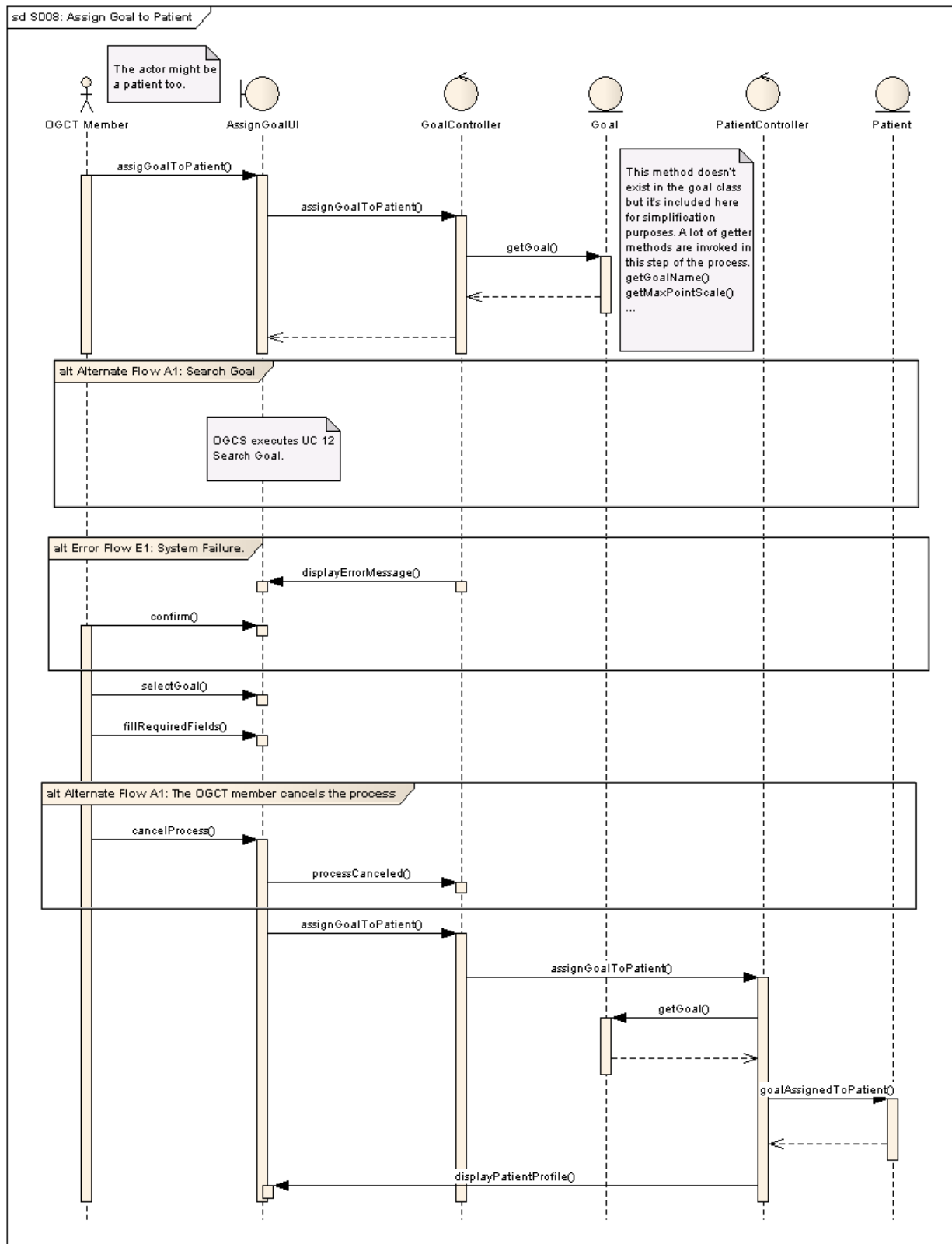
Figure 35: Assign Goal To Patient Sequence Diagram
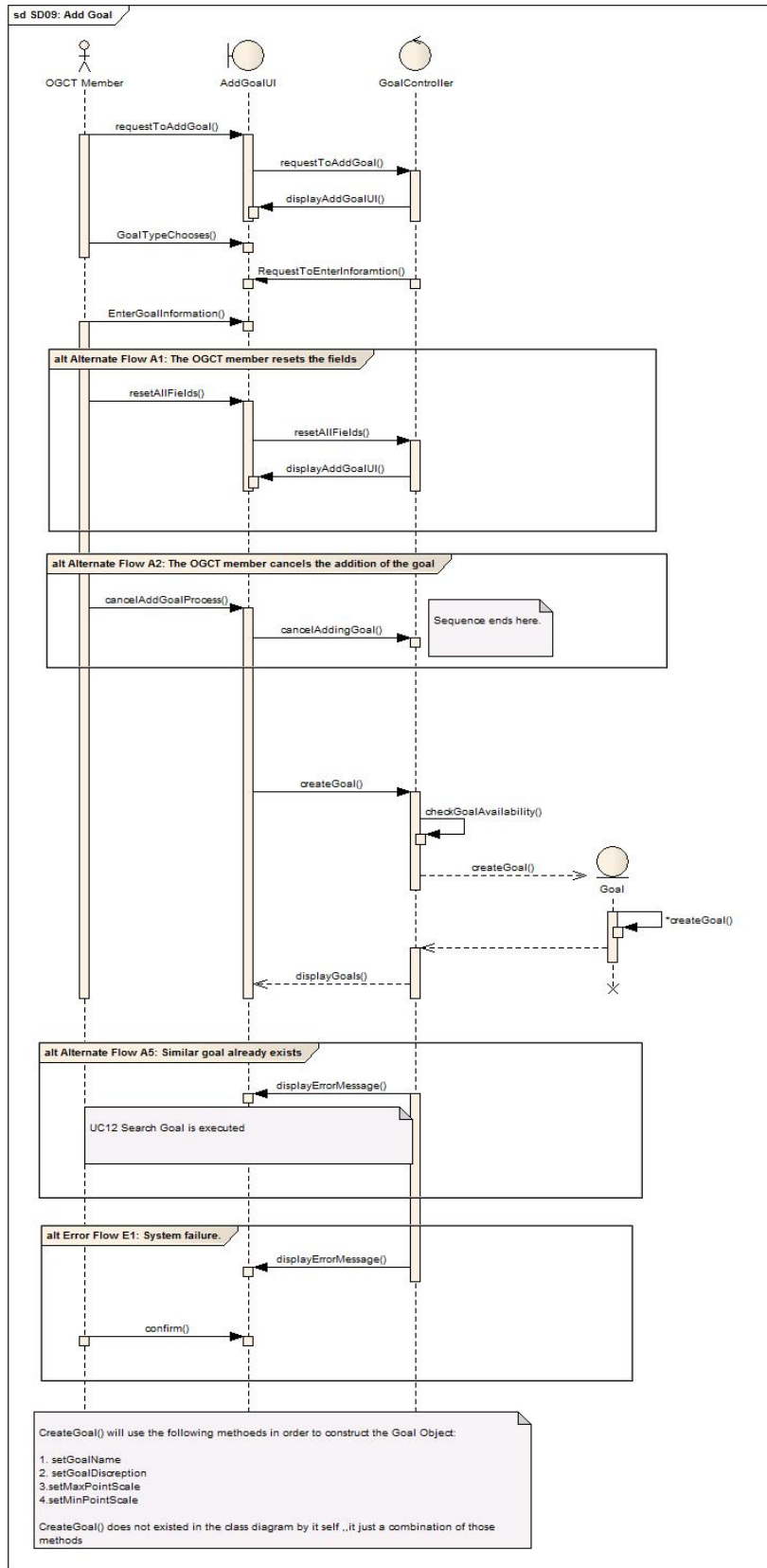
Figure 36: Add Goal Sequence Diagram
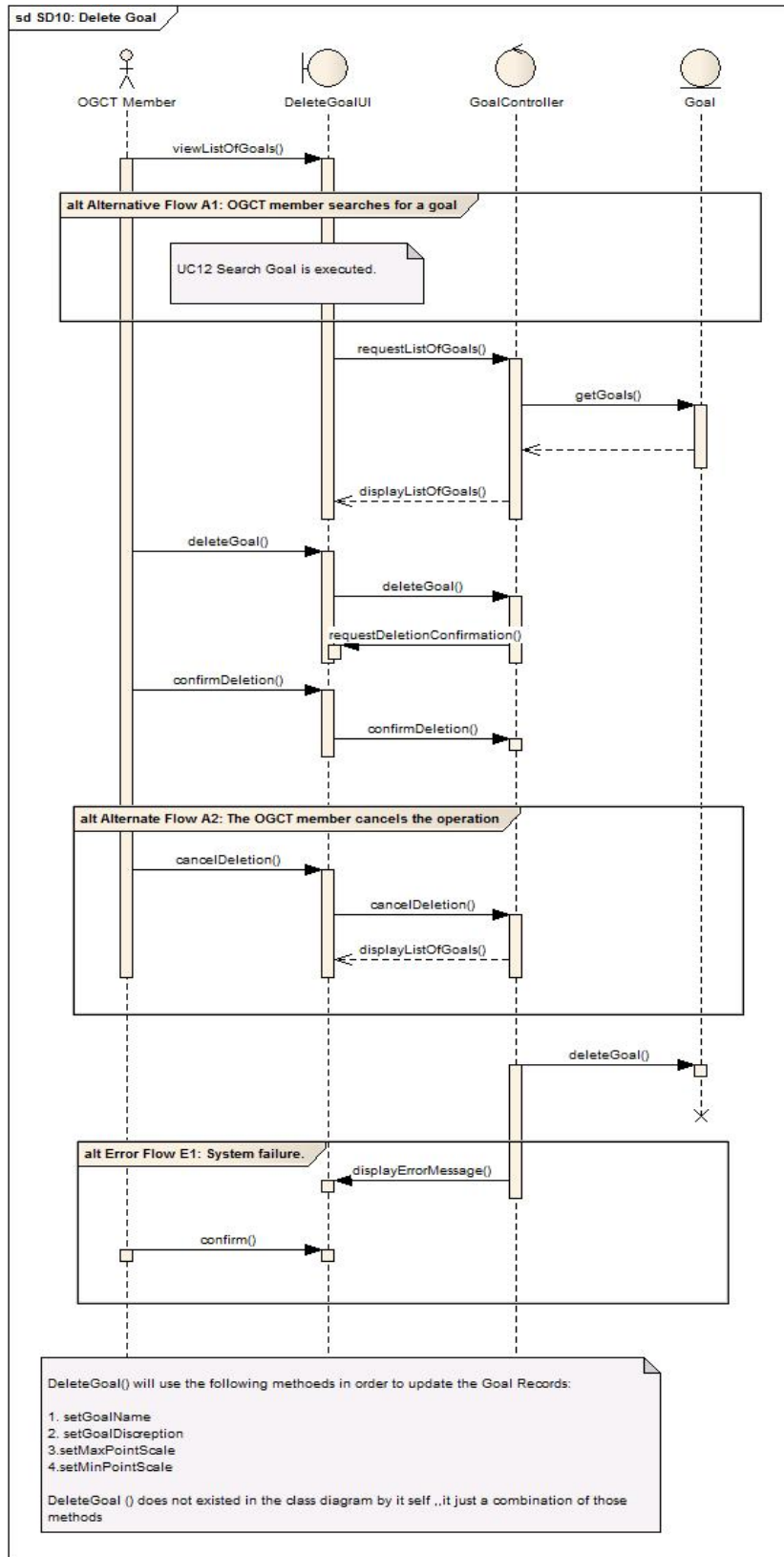
Figure 37: Delete Goal Sequence Diagram
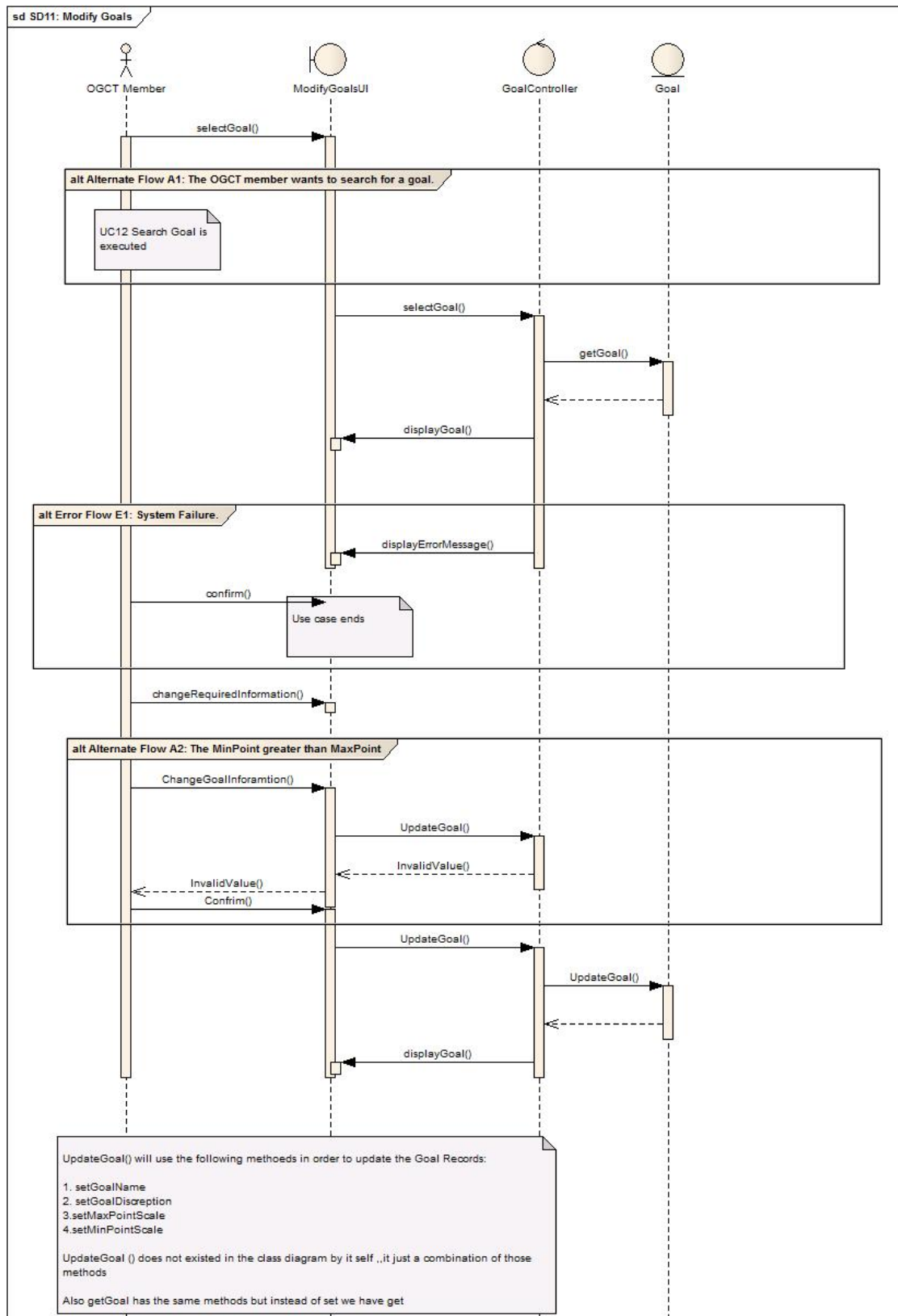
Figure 38:Modify Goal Sequence Diagram
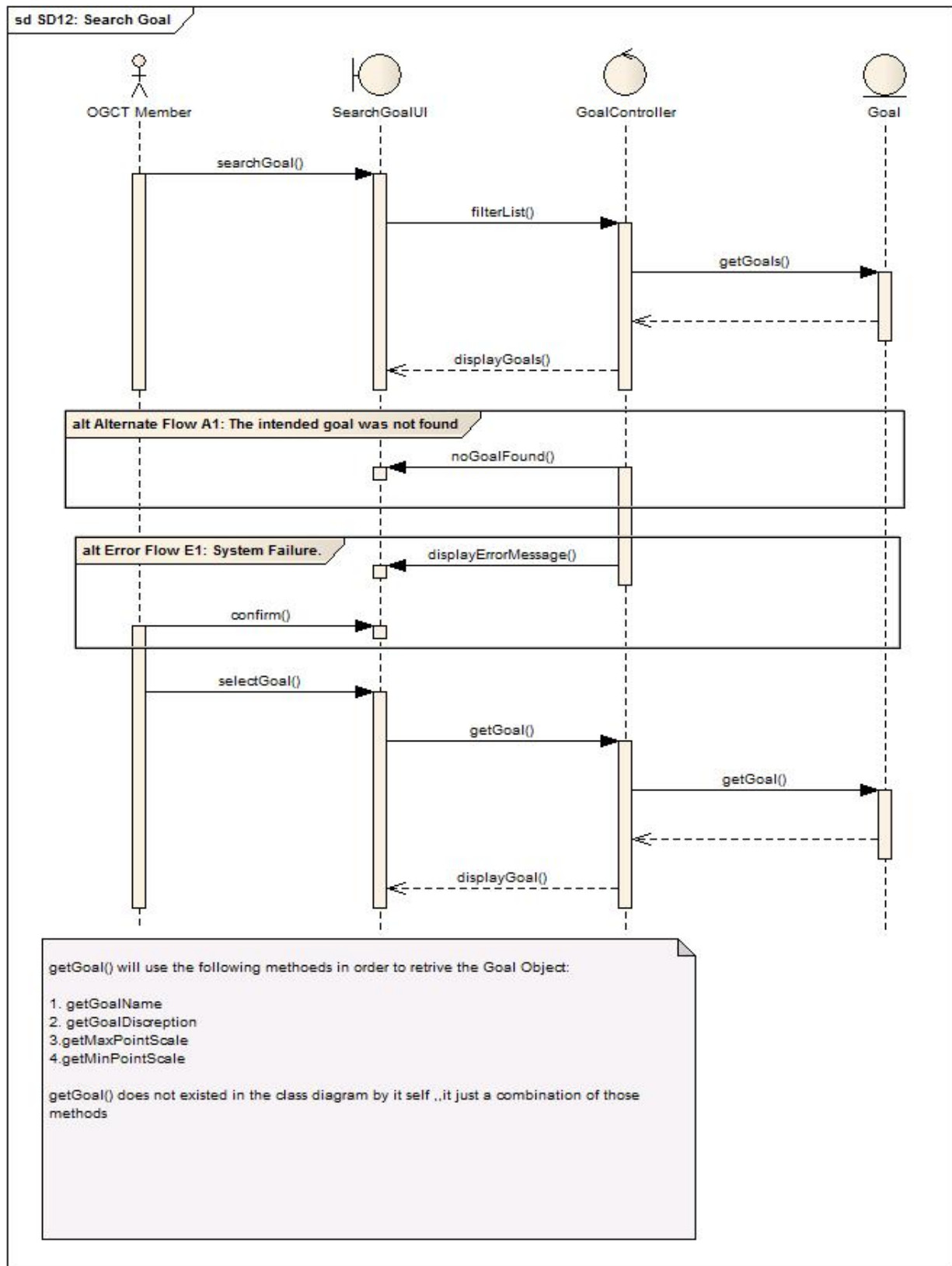
Figure 39: Search Goal Sequence Diagram
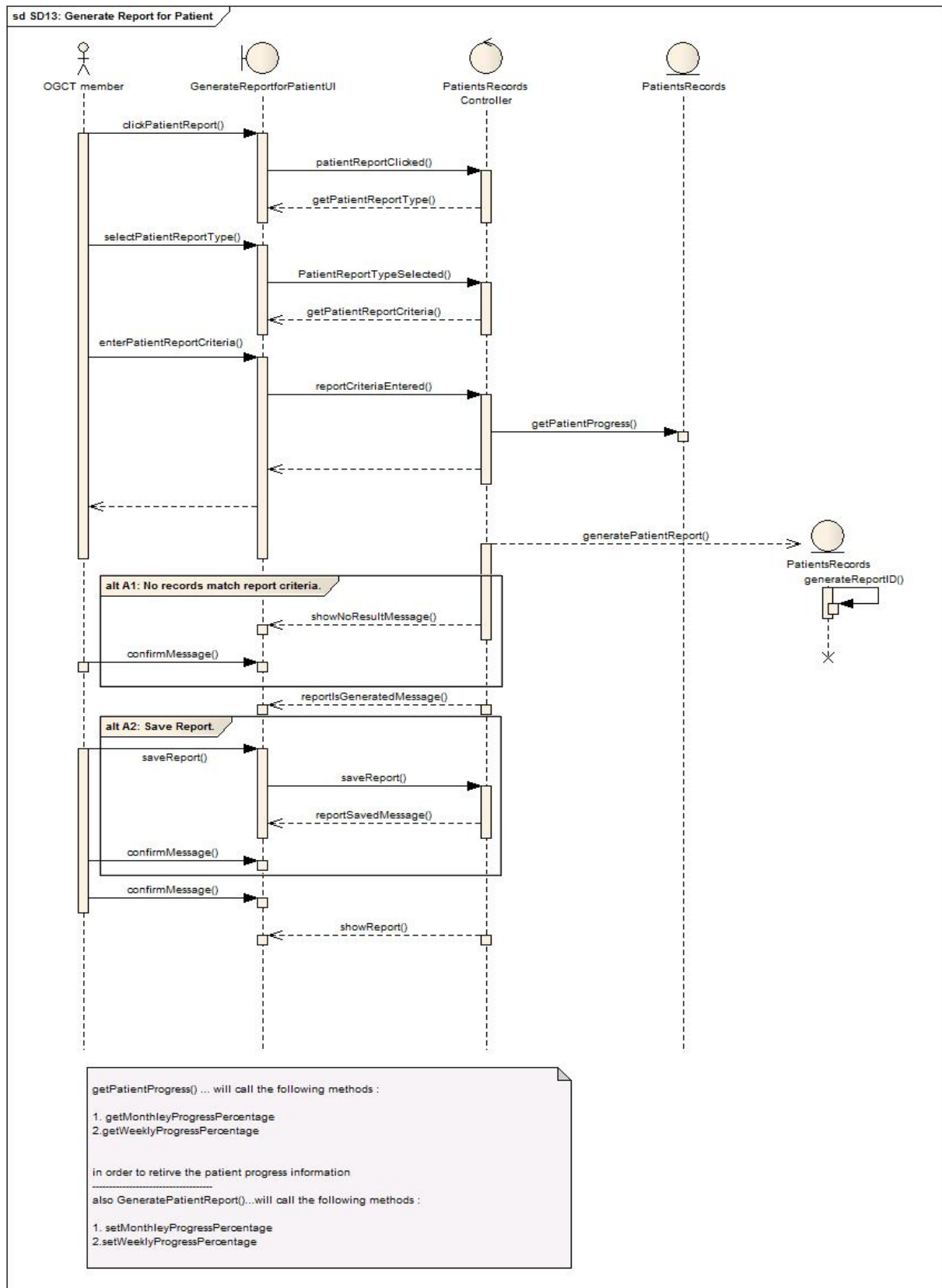
Figure 40: Generate Report For Patient Sequence Diagram

sd SD14: Generate Reports for Goals

OGCT member | GenerateReportsforGoalsUI | GoalController | Goal | GoalsAssignedToPatient

clickGoalsReport()

goalsReportClicked()

getGoalsReportType()

selectGoalsReportType()

goalsReportTypeSelected()

getGoalsReportCriteria()

enterGoalsReportCriteria()

reportCriteriaEntered()

getGoal()

getGoalAssigned()

generateGoalsReport()

GoalsReport

alt A2: No records match report criteria.

showNoResultMessage()

confirmMessage()

generateReportID()

reportIsGeneratedMessage()

alt A3: Save Report.

saveReport()

saveReport()

reportSavedMessage()

confirmMessage()

confirmMessage()

showReport()

getGoal() will use the following methoeds in order to retrive the Goal Object:

1. getGoalName
2. getGoalDiscreption
3.getMaxPointScale
4.getMinPointScale

getGoal() does not existed in the class diagram by it self ,,it just a combination of those methods
----
getGoalAssigned.. also will collect the information about goal assigned to patients ..will also call:

1.getPatientUserName()
2.getAssignDate()
3.getStatedDailyMaximum()

Figure 41: Generate Report For Goals Sequence Diagram

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sd SD15: Add Team Member

OGCT Member (Admin) · Add OGCTMemberUI · OGCTMember Controller · OGCTMember

EnterOGCTMemberInformation()

AddOGCTMember()

CreateOGCTMember()

*isExited()

alt Alternate Flow A1: OGCT member is already exist in the OGCS

OGCTMemberAlreadyExited()

confrims()

Confrim()

CreateOGCTMember() will use the following methoeds in order to add a new OGCT Memebr :

1. setFirstName
2. setLastName
3.setAramcoID
4.setDateOfBirth
5.setEmail
6.SetGeneder
7.setMobile
8.setUsername
9.setPassword

CreateOGCTMember() does not existed in the class diagram by it self ,,it just a combination of those methods

Figure 42: Add Team Member Sequence Diagram
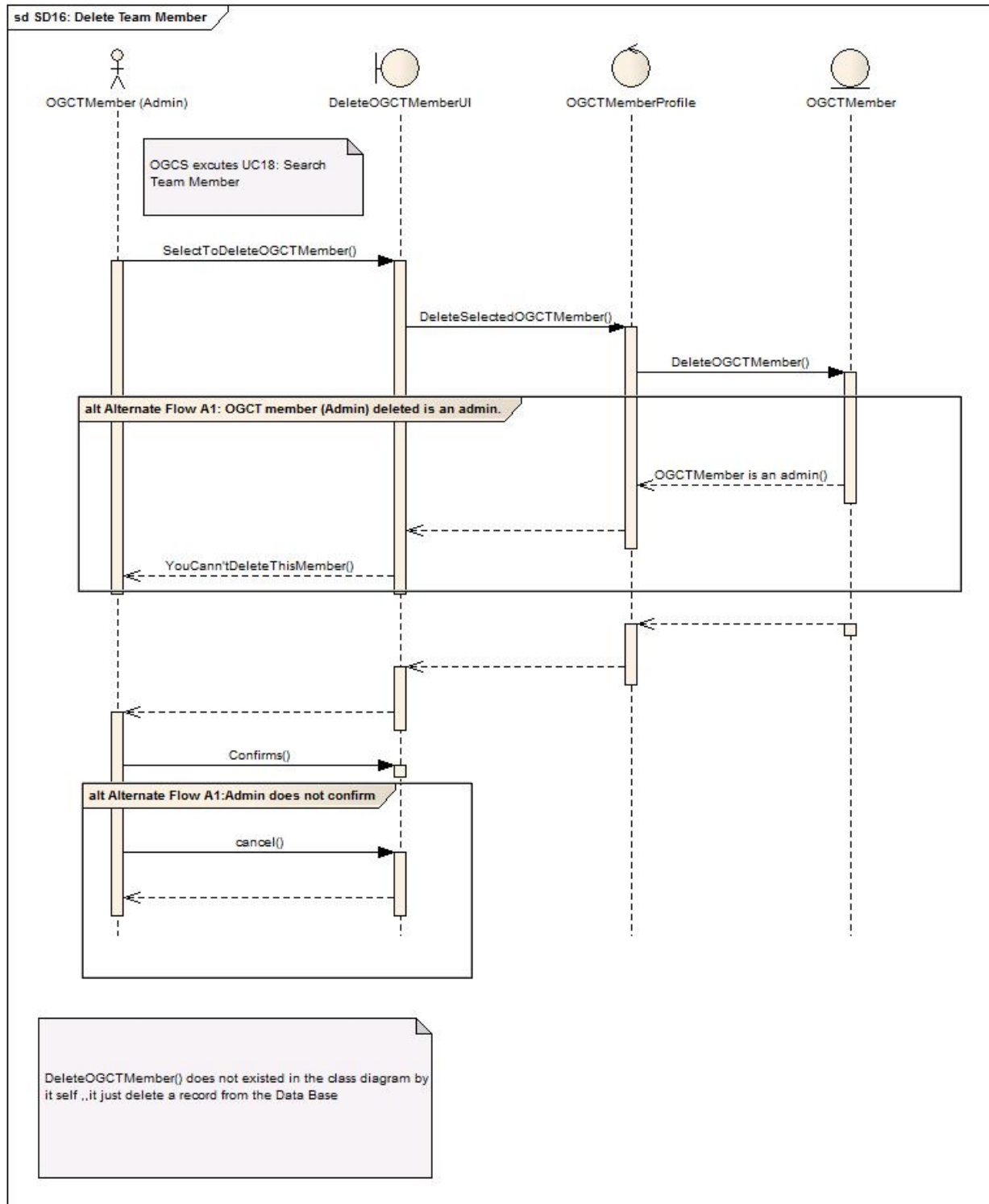
Figure 43: Delete Team Member Sequence Diagram
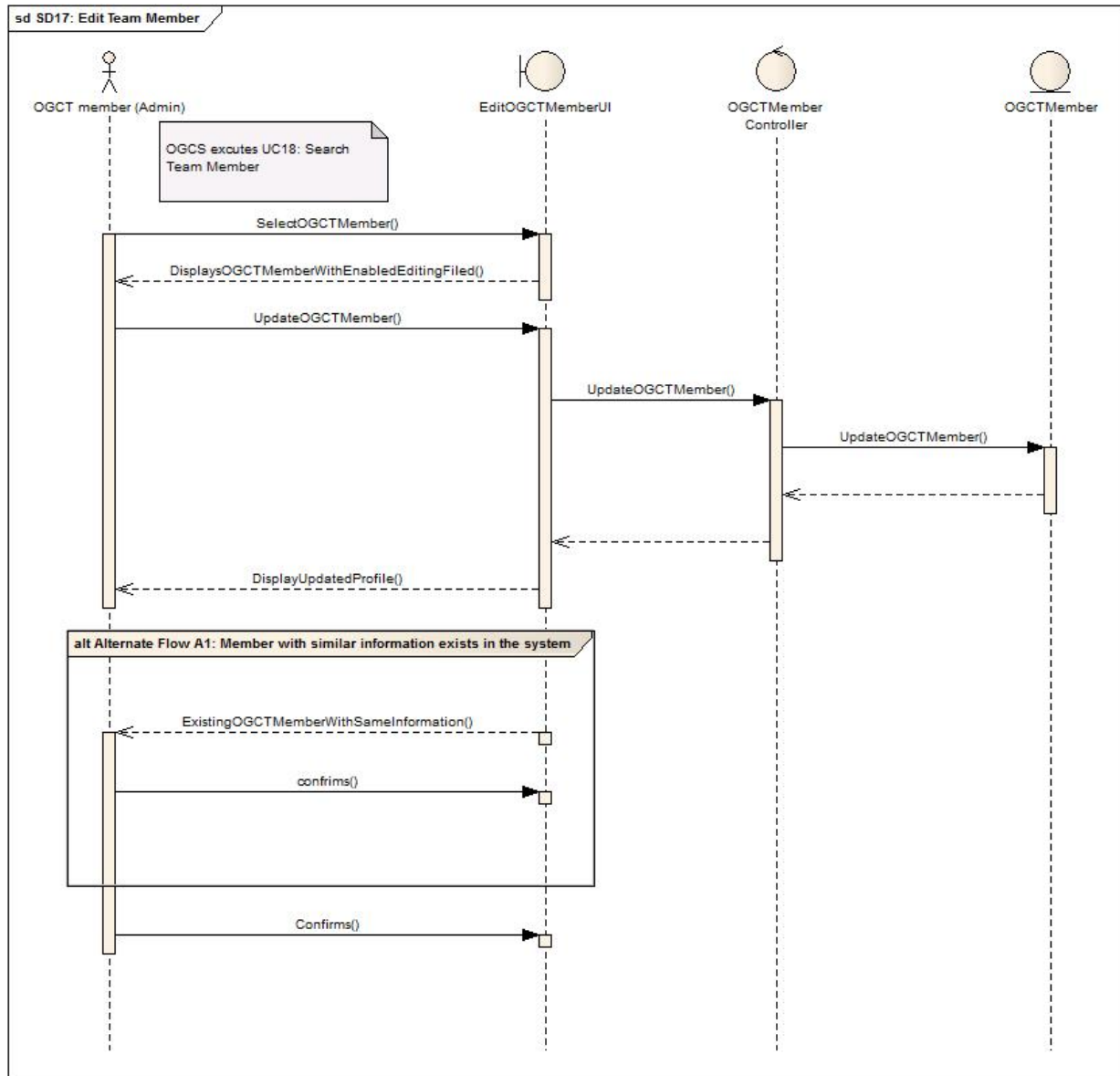
Figure 44: Edit Team Member Sequence Diagram
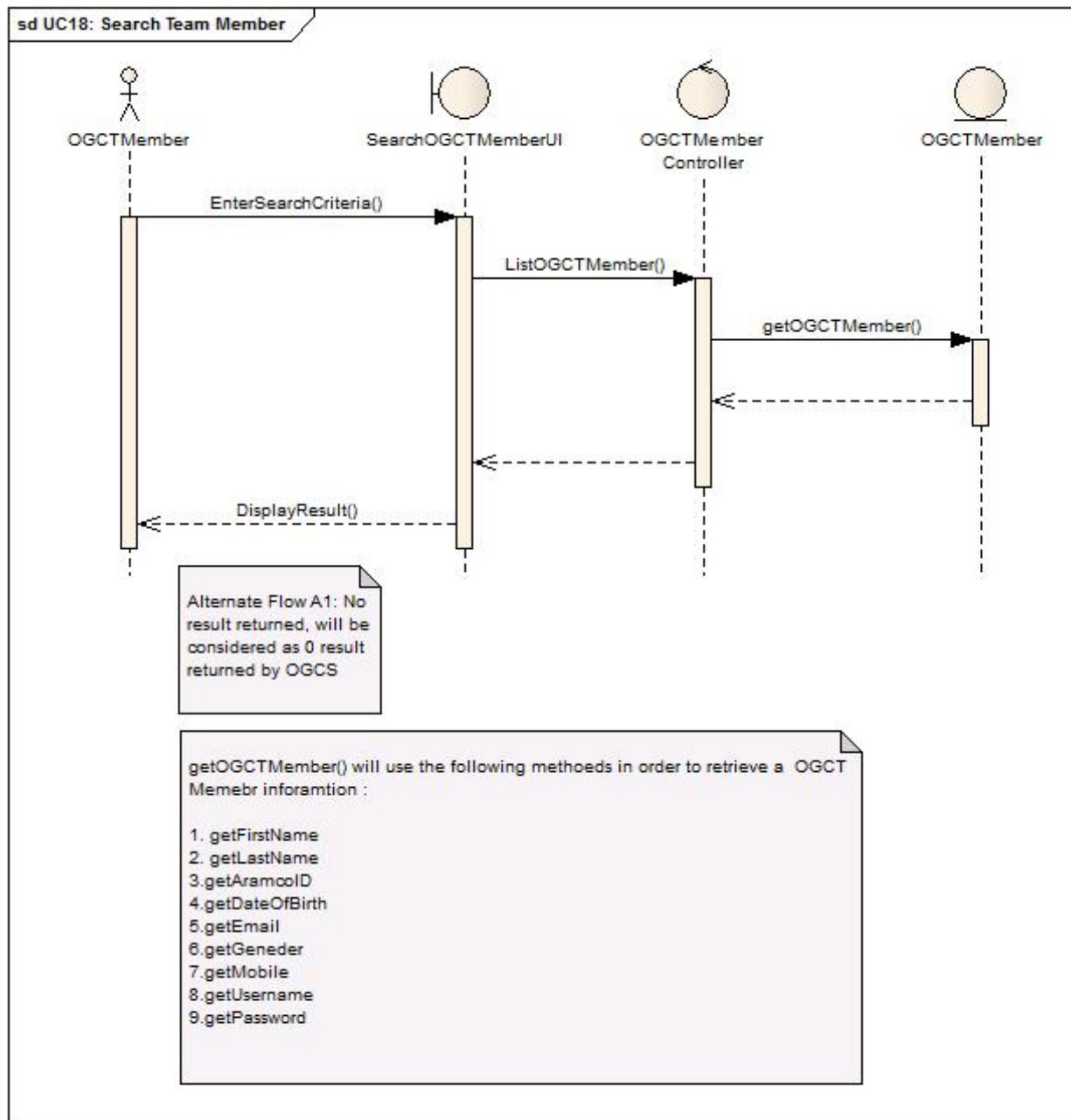
Figure 45: Search Team Member Sequence Diagram
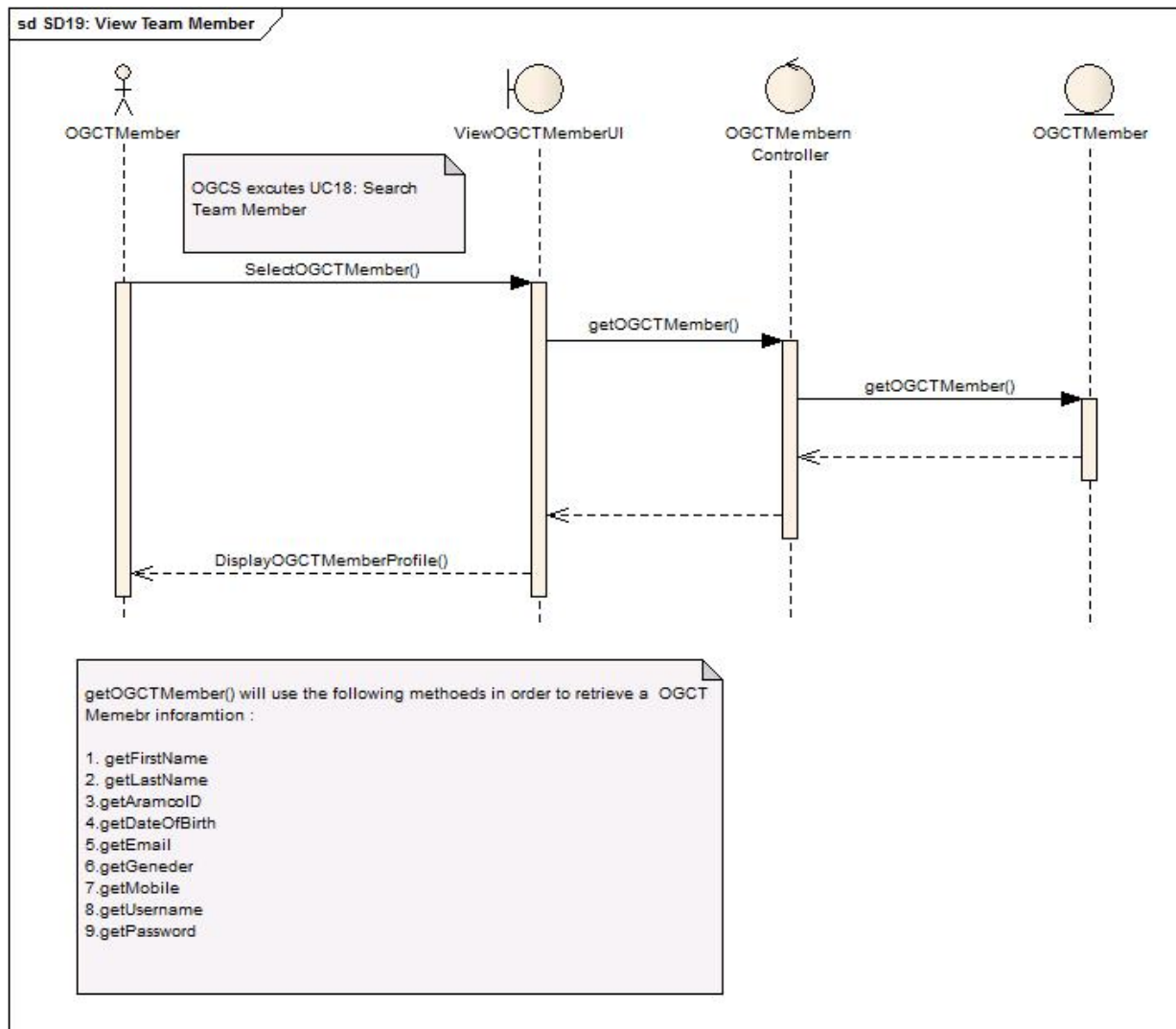
Figure 46: View Team Member Sequence Diagram
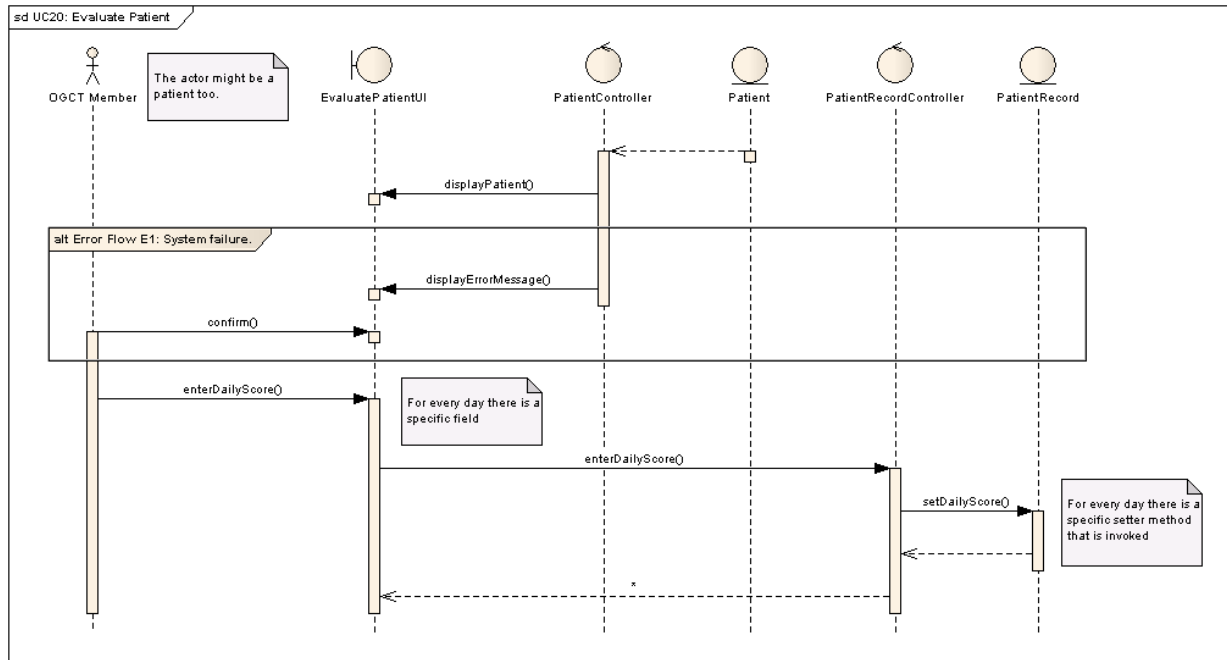
Figure 47: Evaluate Patient Sequence Diagram
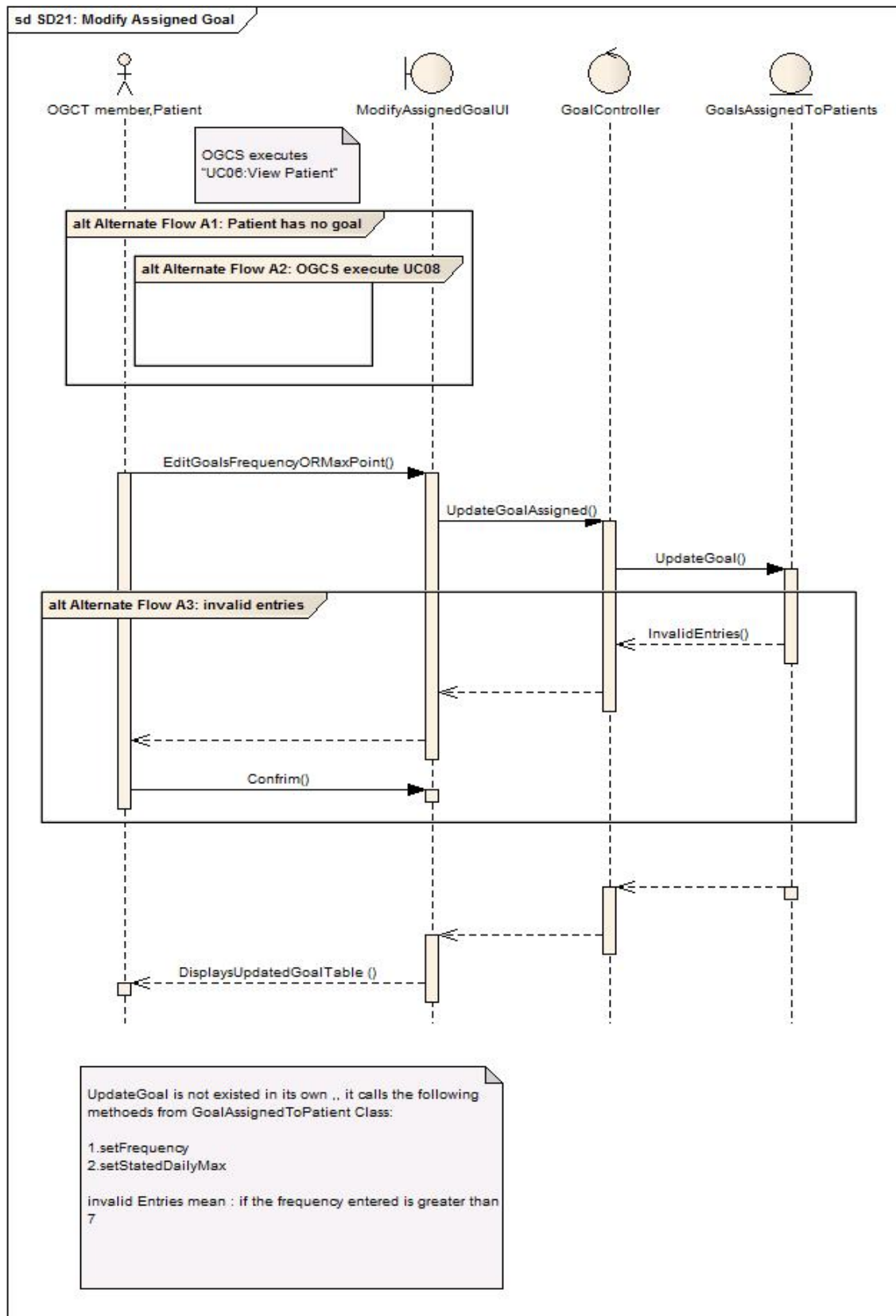
Figure 48: Modify Assigned Goal Sequence Diagram
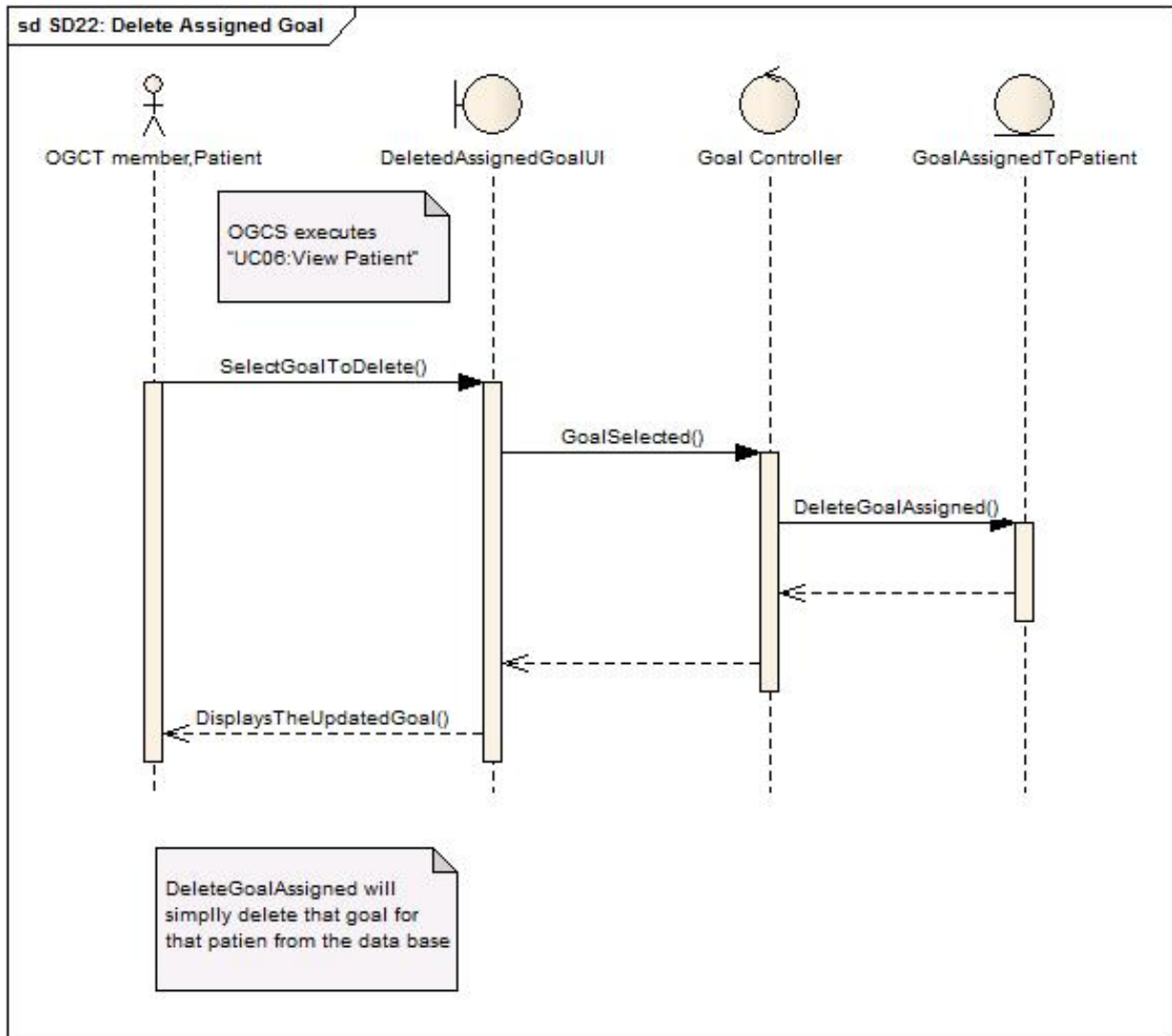
Figure 49: Delete Assigned Goal Sequence Diagram

10.   Programing framework

As per agreement, we have to use open source programs and programming languages only. The following are more likely to be used:-

1. **PHP**
2. **HTML**
3. **XHTML**
4. **CSS**
5. **Codeigniter**
6. **JavaScripts**
7. **AJAX**

11.   Screen layouts

Enclosed with the submission as a PDF file [Screen Layots.pdf]

12.   Test cases

Test Case Title	Login Test Case
Test Case ID	TC01-1
Initial State	OGCT member state is logged out.
Author	Saeed Al-Tuwaileb
Pre-conditions (if applicable)	OGCT member has a valid username and password.
Use Case (if applicable)	UC01: Login
Test Input	OGCT member enters a valid username and password.
Expected Output	OGCT member page is displayed.
Priority	High.
Test Type	Functional.

Test Case Title	Login Test Case
Test Case ID	TC01-2
Initial State	Admin state is logged out.
Author	Saeed Al-Tuwaileb
Pre-conditions (if applicable)	Admin has a valid username and password.
Use Case (if applicable)	UC01: Login
Test Input	Admin enters a valid username and password.
Expected Output	Admin page is displayed.
Priority	High.
Test Type	Functional.

Test Case Title	Login Test Case
Test Case ID	TC01-3
Initial State	User state is logged out.
Author	Saeed Al-Tuwaileb
Pre-conditions (if applicable)	User has a valid username and password.
Use Case (if applicable)	UC01: Login
Test Input	User enters an invalid username or password.
Expected Output	A message that says that the username or password is invalid.
Priority	High.
Test Type	Functional.

Test Case Title	Login Test Case
Test Case ID	TC01-4
Initial State	User state is logged out.
Author	Saeed Al-Tuwaileb
Pre-conditions (if applicable)	User must enter his or her email that is stored in the profile.
Use Case (if applicable)	UC01: Login
Test Input	User clicks on forgot username or password.
Expected Output	OGCS prompts User to enter his or her email that is stored in the system.
Priority	Medium.
Test Type	Functional.

Test Case Title	Login Test Case
Test Case ID	TC01-5
Initial State	User state is logged out.
Author	Saeed Al-Tuwaileb
Pre-conditions (if applicable)	User must enter his or her email that is stored in the profile.
Use Case (if applicable)	UC01: Login
Test Input	User enters a valid email address.
Expected Output	OGCS sends an email to the entered email address with the login information.
Priority	Medium.
Test Type	Functional.

Test Case Title	Login Test Case
Test Case ID	TC01-6
Initial State	User state is logged out.
Author	Saeed Al-Tuwaileb
Pre-conditions (if applicable)	None.
Use Case (if applicable)	UC01: Login
Test Input	User enters an invalid email address.
Expected Output	OGCS shows a message saying that the entered email is not valid.
Priority	Medium.
Test Type	Functional.

Test Case Title	Add Patient Test Case
Test Case ID	TC02-1
Author	Abdulaziz Alamoudi
Initial State	The profile creation UI for patients is displayed to the OGCT member.
Pre-conditions (if applicable)	No username should exist matching the entered username.
Use Case (if applicable)	UC02 Add Patient
Test Input	Fill the following fields: • Patient's username. • Password.
Expected Output	A username and password are created for the patient.
Failure	Username and password are not created for the patient.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Add Patient Test Case
Test Case ID	TC02-2
Author	Abdulaziz Alamoudi
Initial State	The profile creation UI for patients is displayed to the OGCT member.
Pre-conditions (if applicable)	No username should exist matching the entered username.
Use Case (if applicable)	UC02 Add Patient
Test Input	Fill the following fields: • Patient's username. • Password. But for an existing patient or incorrect input.
Expected Output	Error message generated.
Failure	Input accepted and no error is generated.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Delete Patient Test Case
Test Case ID	TC03-1
Author	Abdulaziz Alamoudi
Initial State	The patient's profile is displayed.
Pre-conditions (if applicable)	The patient should already exist in the OGCS.
Use Case (if applicable)	UC03 Delete Patient
Test Input	Try to delete the patient.
Expected Output	The patient is deleted.
Failure	The patient is not deleted.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Delete Patient Test Case
Test Case ID	TC03-2
Author	Abdulaziz Alamoudi
Initial State	A list of patients should be displayed.
Pre-conditions (if applicable)	The patient should already exist in the OGCS.
Use Case (if applicable)	UC03 Delete Patient
Test Input	Cancel deletion process
Expected Output	The deletion process is canceled.
Failure	The deletion process is not canceled.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Edit Patient Test Case
Test Case ID	TC04-1
Author	Abdulaziz Alamoudi
Initial State	The patient's profile is displayed.
Pre-conditions (if applicable)	The patient should already exist in the OGCS.
Use Case (if applicable)	UC04 Edit Patient
Test Input	Personal information of the patient is updated.
Expected Output	The patient's personal information is updated.
Failure	The patient's profile is not updated.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Search Patient Test Case
Test Case ID	TC05-1
Author	Abdulaziz Alamoudi
Initial State	OGCT member clicks search patient.
Pre-conditions (if applicable)	OGCT member is logged-in the system.
Use Case (if applicable)	UC05 Search Patient
Test Input	OGCT member enters search criteria for a patient that exists in OGCS.
Expected Output	OGCS returns the search result to OGCT member with the patient profile that matches search criteria.
Failure	OGCS doesn't return the search result.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Search Patient Test Case
Test Case ID	TC05-2
Author	Abdulaziz Alamoudi
Initial State	OGCT member clicks search patient.
Pre-conditions (if applicable)	OGCT member is logged-in the system.
Use Case (if applicable)	UC05 Search Patient
Test Input	OGCT member enters search criteria for a patient that does not exist in OGCS.
Expected Output	OGCS shows a message saying that the patient with the entered search criteria does not exist.
Failure	OGCS doesn't return the search result.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	View Patient Test Case
Test Case ID	TC06-1
Author	Abdulaziz Alamoudi
Initial State	None
Pre-conditions (if applicable)	The patient should already exist in the OGCS.
Use Case (if applicable)	UC06 View Patient
Test Input	The OGCT member selects a patient's profile.
Expected Output	The patient's profile is displayed.
Failure	The patient's profile is not displayed.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	View Patients with no Goal Test Case
Test Case ID	TC07-1
Author	Abdulaziz Alamoudi
Initial State	OGCT member chooses to "View Patients with no goals"
Pre-conditions (if applicable)	• OGCT member successfully login into the OGCS. • Patient already exists in OGCS.
Use Case (if applicable)	UC07 View Patients with no Goal
Test Input	OGCT member tries to view patents with no goals.
Expected Output	Patient(s) with no goals list are displayed to the OGCT member successfully. If no such patient exists then the OGCT member should notified.
Failure	The list of patients is not displayed
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Assign Goal to Patient Test Case
Test Case ID	TC08-1
Author	Abdulaziz Alamoudi
Initial State	The patient's profile should be displayed.
Pre-conditions (if applicable)	Both the patient and the goal should already exist.
Use Case (if applicable)	UC08 Assign Goal to Patient
Test Input	Select the goal and fill the required fields.
Expected Output	A goal is assigned to a patient.
Failure	No goal was assigned to the patient.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Assign Goal to Patient Test Case
Test Case ID	TC08-2
Author	Abdulaziz Alamoudi
Initial State	The patient's profile should be displayed.
Pre-conditions (if applicable)	Both the patient and the goal should already exist.
Use Case (if applicable)	UC08 Assign Goal to Patient
Test Input	Cancel assigning a goal to the patient.
Expected Output	Assigning goal is canceled.
Failure	The goal is assigned.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Add Goal Test Case
Test Case ID	TC09-1
Author	Sameer AlAmri
Initial State	The list of goals is displayed.
Pre-conditions (if applicable)	The new goal shouldn't exist in the OGCS.
Use Case (if applicable)	UC09 Add Goal
Test Input	The OGCT member will enter the attributes of a goal: -Name of the goal. -description of the goal. -MaxPointScale -MinPointScale
Expected Output	A new goal is created.
Failure	The goal is not added to OGCS.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Add Goal Test Case
Test Case ID	TC09-2
Author	Abdulaziz Alamoudi
Initial State	The list of goals is displayed.
Pre-conditions (if applicable)	The goal shouldn't exist in the OGCS.
Use Case (if applicable)	UC09 Add Goal
Test Input	Reset all fields.
Expected Output	All fields are cleared.
Failure	Fields are not cleared.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Add Goal Test Case
Test Case ID	TC09-3
Author	Abdulaziz Alamoudi
Initial State	The list of goals is displayed.
Pre-conditions (if applicable)	The goal shouldn't exist in the OGCS.
Use Case (if applicable)	UC09 Add Goal
Test Input	Cancel adding a goal.
Expected Output	Adding goal process is canceled.
Failure	Adding goal process is not canceled.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Add Goal Test Case
Test Case ID	TC09-4
Author	Abdulaziz Alamoudi
Initial State	The list of goals is displayed.
Pre-conditions (if applicable)	The goal shouldn't exist in the OGCS.
Use Case (if applicable)	UC09 Add Goal
Test Input	Add a goal that already exists in the OGCS.
Expected Output	The OGCS notifies the OGCT member that a similar goal exists.
Failure	The duplicated goal is added.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Delete Goal Test Case
Test Case ID	TC10-1
Author	Abdulaziz Alamoudi
Initial State	A list of goal is displayed.
Pre-conditions (if applicable)	The goal should already exist in the OGCS.
Use Case (if applicable)	UC10 Delete Goal
Test Input	The OGCT member deletes the goal.
Expected Output	The goal is deleted.
Failure	The goal is not deleted.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Delete Goal Test Case
Test Case ID	TC10-2
Author	Abdulaziz Alamoudi
Initial State	A list of goal is displayed.
Pre-conditions (if applicable)	The goal should already exist in the OGCS.
Use Case (if applicable)	UC10 Delete Goal
Test Input	The OGCT member cancels the deletion of the goal.
Expected Output	The deletion process is canceled.
Failure	The deletion is not canceled.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Modify Goals Test Case
Test Case ID	TC11-1
Author	Abdulaziz Alamoudi
Initial State	The goals attributes are displayed.
Pre-conditions (if applicable)	The goal that is going to be modified should exist in the OGCS.
Use Case (if applicable)	UC11 Modify Goals
Test Input	Certain attributes are modified.
Expected Output	Updating the original information of the goal.
Failure	Failure of goal modification process.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Modify Goals Test Case
Test Case ID	TC11-2
Author	Sameer AlAmri
Initial State	The goals attributes are displayed.
Pre-conditions (if applicable)	The goal that is going to be modified should exist in the OGCS.
Use Case (if applicable)	UC11 Modify Goals
Test Input	The OGCT member modifies the goal.
Expected Output	The OGCS updates the goal.
Failure	The original information does not change.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Search Goal Test Case
Test Case ID	TC12-1
Author	Sameer AlAmri
Initial State	The goal screen is displayed.
Pre-conditions (if applicable)	None
Use Case (if applicable)	UC12 Search Goal
Test Input	Search criteria. -Keyword. -Type. -Checkbox (most popular, most successful and most failed
Expected Output	A filtered list of goals is displayed.
Failure	Wrong results are displayed.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Search Goal Test Case
Test Case ID	TC12-2
Author	Abdulaziz Alamoudi
Initial State	The goal screen is displayed.
Pre-conditions (if applicable)	None
Use Case (if applicable)	UC12 Search Goal
Test Input	Search criteria for a goal that doesn't exist. -Keyword. -Type. -Checkbox (most popular, most successful and most failed
Expected Output	No results were found.
Failure	Wrong results are displayed.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Generate Report For Patient Test Case
Test Case ID	TC13-001
Author	Sameer Al-Amri
Initial State	OGCT member page is displayed.
Pre-conditions (if applicable)	OGCT member is logged-in the system.
Use Case (if applicable)	UC13: Generate Report for Patient
Test Input	OGCT member: • Selects report type. • Fills in report criteria. • Selects report period. And clicks Generate.
Expected Output	OGCS displays Patient Reports page to OGCT member.
Failure	No Failure.
Priority	High.
Test Type	Functional.

Test Case Title	Generate Report For Patient Test Case
Test Case ID	TC13-002
Author	Sameer Al-Amri
Initial State	Patient Reports page is displayed.
Pre-conditions (if applicable)	OGCT member is logged-in the system.
Use Case (if applicable)	UC13: Generate Report for Patient
Test Input	OGCT member: • Selects report type. • Fills in report criteria. • Selects report period. And clicks Generate.
Expected Output	OGCS generates the report and views it to OGCT member.
Failure	The system does not generate the report.
Priority	High.
Test Type	Functional.

Test Case Title	Generate Report For Goal Test Case
Test Case ID	TC14-001
Author	Sameer Al-Amri
Initial State	OGCT member page is displayed.
Pre-conditions (if applicable)	OGCT member is logged-in the system.
Use Case (if applicable)	UC14: Generate Reports for Goals
Test Input	OGCT member clicks on Goals Reports.
Expected Output	OGCS displays Goals Reports page to OGCT member.
Failure	No Failure.
Priority	High.
Test Type	Functional.

Test Case Title	Generate Report For Goal Test Case
Test Case ID	TC14-002
Author	Sameer Al-Amri
Initial State	OGCT member page is displayed.
Pre-conditions (if applicable)	OGCT member is logged-in the system.
Use Case (if applicable)	UC14: Generate Reports for Goals
Test Input	OGCT member: • Selects report type. • Fills in report criteria. • Selects report period. And clicks Generate.
Expected Output	OGCS generates the report and views it to OGCT member.
Failure	No Failure.
Priority	High.
Test Type	Functional.

Test Case Title	Generate Report For Goal Test Case
Test Case ID	TC14-003
Author	Saeed Al-Tuwaileb
Initial State	The generated Goals Report is displayed to OGCT member.
Pre-conditions (if applicable)	OGCT member is logged-in the system.
Use Case (if applicable)	UC22: Generate Reports for Goals
Test Input	OGCT member clicks Save Report.
Expected Output	OGCS shows a message saying that the report has been saved successfully.
Failure	No Failure.
Priority	High.
Test Type	Functional.

Test Case Title	Add Team Member Test Case
Test Case ID	TC15-1
Author	Sameer Al-Amri
Initial State	Add Team Member form is displayed.
Pre-conditions (if applicable)	• OGCT Member (Admin) successfully login into the OGCS. • The new OGCT member does not exist in the OGCS.
Use Case (if applicable)	UC15: Add Team Member
Test Input	OGCT Member (Admin) tries to add a Team Member.
Expected Output	Team Member is added.
Failure	Team Member is not added.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Add Team Member Test Case
Test Case ID	TC15-2
Author	Sameer Al-Amri
Initial State	Add Team Member form is displayed.
Pre-conditions (if applicable)	• OGCT Member (Admin) successfully login into the OGCS. • The new OGCT member does not exist in the OGCS.
Use Case (if applicable)	UC15: Add Team Member
Test Input	Adding a Team Member that already exists.
Expected Output	A message is displayed saying that the Team Member already exists.
Failure	Team Member is added.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Delete Team Member Test Case
Test Case ID	TC16-1
Author	Sameer Al-Amri
Initial State	OGCT member leaves the OGC program.
Pre-conditions (if applicable)	• OGCT Member (Admin) successfully login into the OGCS. • The OGCT member existing in the OGCS.
Use Case (if applicable)	UC16 Delete Team Member
Test Input	The team member is deleted
Expected Output	The follow up is done by OGCT member.
Failure	OGCT member is deleted from the OGCS successfully.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Edit Team Member
Test Case ID	TC17-1
Author	Sameer Al-Amri
Initial State	Edit Team Member form is displayed.
Pre-conditions (if applicable)	• OGCT Member (Admin) successfully login into the OGCS.
Use Case (if applicable)	UC17: Edit Team Member
Test Input	OGCT Member (Admin) tries to edit a Team Member.
Expected Output	Team Member profile is edited.
Failure	Team Member profile is not edited.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Search Team Member Test Case
Test Case ID	TC18-1
Author	Sameer Al-Amri
Initial State	OGCT member chooses search.
Pre-conditions (if applicable)	OGCT member is logged-in the OGCS successfully.
Use Case (if applicable)	UC18 Search Team Member
Test Input	User enters OGCT member to enter one or more search criteria: • First Name • Last Name • ARAMCO ID
Expected Output	OGCS shows the result of searching for OGCT member.
Failure	Team Member not found.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	View Team Member Test Case
Test Case ID	TC19-1
Author	Sameer Al-Amri
Initial State	OGCT member wants to see OGCT member information.
Pre-conditions (if applicable)	OGCT member successfully login into the OGCS.
Use Case (if applicable)	UC19 View Team Member
Test Input	The Admin chooses to view the team member.
Expected Output	OGCT member information is displayed.
Failure	OGCT member information is not displayed.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Evaluate Patient Test Case
Test Case ID	TC20-1
Author	Abdulaziz Alamoudi
Initial State	The patient's progress table is displayed.
Pre-conditions (if applicable)	The patient's profile should already exist.
Use Case (if applicable)	UC20 Evaluate Patient
Test Input	Fill in the required fields with correct input.
Expected Output	The progress table is updated.
Failure	-Values are not accepted. -Table is not updated.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Evaluate Patient Test Case
Test Case ID	TC20-2
Author	Abdulaziz Alamoudi
Initial State	The patient's progress table is displayed.
Pre-conditions (if applicable)	The patient's profile should already exist.
Use Case (if applicable)	UC20 Evaluate Patient
Test Input	Fill in the required fields with incorrect input.
Expected Output	The OGCS rejects the inputs and notifies the user.
Failure	-Values are accepted. -Table is updated.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Modify Assigned Goal Test Cases
Test Case ID	TC21
Author	Sameer Al-Amri
Initial State	OGCT member or patient wants to edit the goal assigned.
Pre-conditions (if applicable)	-OGCT member or patient successfully login into the OGCS. - No entry in the first slot of the goal assigned table.
Use Case (if applicable)	UC21 Modify Assigned Goal
Test Input	OGCT member or patient wants to edit the following: -Frequency -daily Max
Expected Output	Updated goal assigned table is displayed.
Failure	The original information is not changed.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional

Test Case Title	Deleted Assigned Goal Test Cases
Test Case ID	TC22
Author	Sameer Al-Amri
Initial State	OGCT member or patient wants to delete the goal assigned.
Pre-conditions (if applicable)	-OGCT member or patient successfully login into the OGCS.
Use Case (if applicable)	UC22 Delete Assigned Goal
Test Input	OGCT member or patient selects the goal that he wants to delete then confirms.
Expected Output	Updated goal assigned table is displayed.
Failure	The original table is not changed.
Priority (High/Medium/Low)	High
Test Type (Functional, Performance, stress, etc.)	Functional