

CSE326
INFORMATION SYSTEM DESIGN

How are you?
A Mental Health Screening Tool

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Chapter 1

Motivation

"Experiencing trauma is an essential part of being human; history is written in blood."¹

(van der Kolk & McFarlane)

Throughout history, the human race has faced both physical and mental ailments. Physical health issues have been widely studied and people typically care when their bodies get sick. Although there have been references of mental health disorders since ancient Mesopotamian era, many people still treat it like a taboo. However, ignoring the problem does not mean it has vanished. In today's age of postmodernism, suicide rate is greater than ever. Just in 2021, amidst the global COVID-19 pandemic, at least 101 university students took their own lives in Bangladesh.² Depression, sleep disorder and drug abuse are also in the rise. On the other hand, in a 2017 survey conducted by the US Government Accountability Office, 39.7 out of 56.8 million (70%) people with potential mental health problems replied that they did not receive any treatment.³ Combining both facts, it can be concluded that mental health disorders are getting more prevalent but there do not exist enough approachable mental health resources. That is where the vision of our project comes in. We want to develop a mental health screening tool where people can take part in mental health screening questionnaires and their responses will be verified by the experts.

¹<http://icpla.edu/wp-content/uploads/2013/01/van-der-Kolk-B.-Ch.1-Traumatic-Stress-the-black-hole-of-trauma.pdf>

²<https://www.dhakatribune.com/bangladesh/2022/01/29/survey-101-university-students-committed-suicide-in-2021>

³<https://www.gao.gov/products/gao-19-274>

What we know about our psychology is far less than what we do not know, and proper empirical research is the way to go. Literature explores many conventional and unconventional approaches for better diagnosis. For instance, free-hand sketches were leveraged to identify people with post traumatic stress disorder (PTSD).⁴ That is, why we want to include a dataset generation module in our tool.

⁴<https://dl.acm.org/doi/10.1145/3411835>

Chapter 2

Introduction

We are developing "*How are you?*", a mental health screening tool. As mental health is such a precarious topic and an incorrect inference can be life threatening, we tried to follow the existing standards as best as we could. In this section, we first delve into some of the major features we want to incorporate. Then we tabulate the major use cases. We finish by outlining the rest of this report.

The obvious first feature of our project is that patients can fill up questionnaires as part of mental health diagnosis. Here we follow the state of the art resource available - the *Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition (DSM-5)*, published by the American Psychiatric Association (APA) and readily available online.¹ A viable but not effectuated future plan is to translate such questionnaires into local languages for better outreach.

After filling up the questionnaires, our system will generate a system score based on the rubrics tabulated in the DSM-5. However, per the norm in medical practice, the report will not be directly shown to the patient. Rather it will be sent to our in-house psychiatrist team for manual verification. In the verified report, the psychiatrist may include possible diseases and suggest some consultants for further care.

The file upload feature is, to the best of our knowledge, a novel addition in the field. Here, a psychiatrist can broadcast requests for some kind of files. We did not put any restriction on the file type - it can be X-rays or brain wave data or anything the researcher might find fit. The patients can respond to the request by uploading files. Datasets will be curated from the responses and archived for further use. While developing such

¹<https://www.psychiatry.org/psychiatrists/practice/dsm/educational-resources/assessment-measures>

a module, proper emphasis should be given on privacy and other ethics standards.

Including some provisions on checking file requests and modifying test questions, the major use cases are enumerated here.

No	Actor	Use Case
1	Person	See Trends
2		Take Questionnaire
3	Patient	View Results
4		Upload File
5		Verify system generated report and suggest psychiatrists
6		Accept Consultation Request
7	Psychiatrist	Consult Patients and Prescribe Medications
8		Update Questionnaire Request
9		Request for File / Download
10	ReviewBoard	Resolve Questionnaire Request
11	Member	Resolve File Request

Table 2.1: The major use cases considered

The following diagrams were constructed and presented in the ses-sional classes. They are also included in the report in the same order.

1. BPMN Diagram
2. Mock UI
3. UML Class Diagram
4. UML Entity Relationship Diagram
5. UML Sequence Diagram
6. UML Collaboaration Diagram
7. UML State Diagram

Based on feedback provided by the respected instructors, the BPMN diagram and the ER diagram were modified.

Chapter 3

Requirement Analysis Using the BPMN Diagram

The BPMN diagram is presented below. The modifications due to feedback include:

1. A separate pool for review board was added with two lanes.
2. When a psychiatrist makes a file request, it will be sent to the review board first. Only if the review board approves, the request will be broadcast to the users. This human intervention would prune out inappropriate and/or repetitive file requests.
3. When a psychiatrist wants to modify the questionairres, it will also go to the review board.
4. When a psychiatrist will meet a patient, all relevant previous prescriptions would be available to him/her.

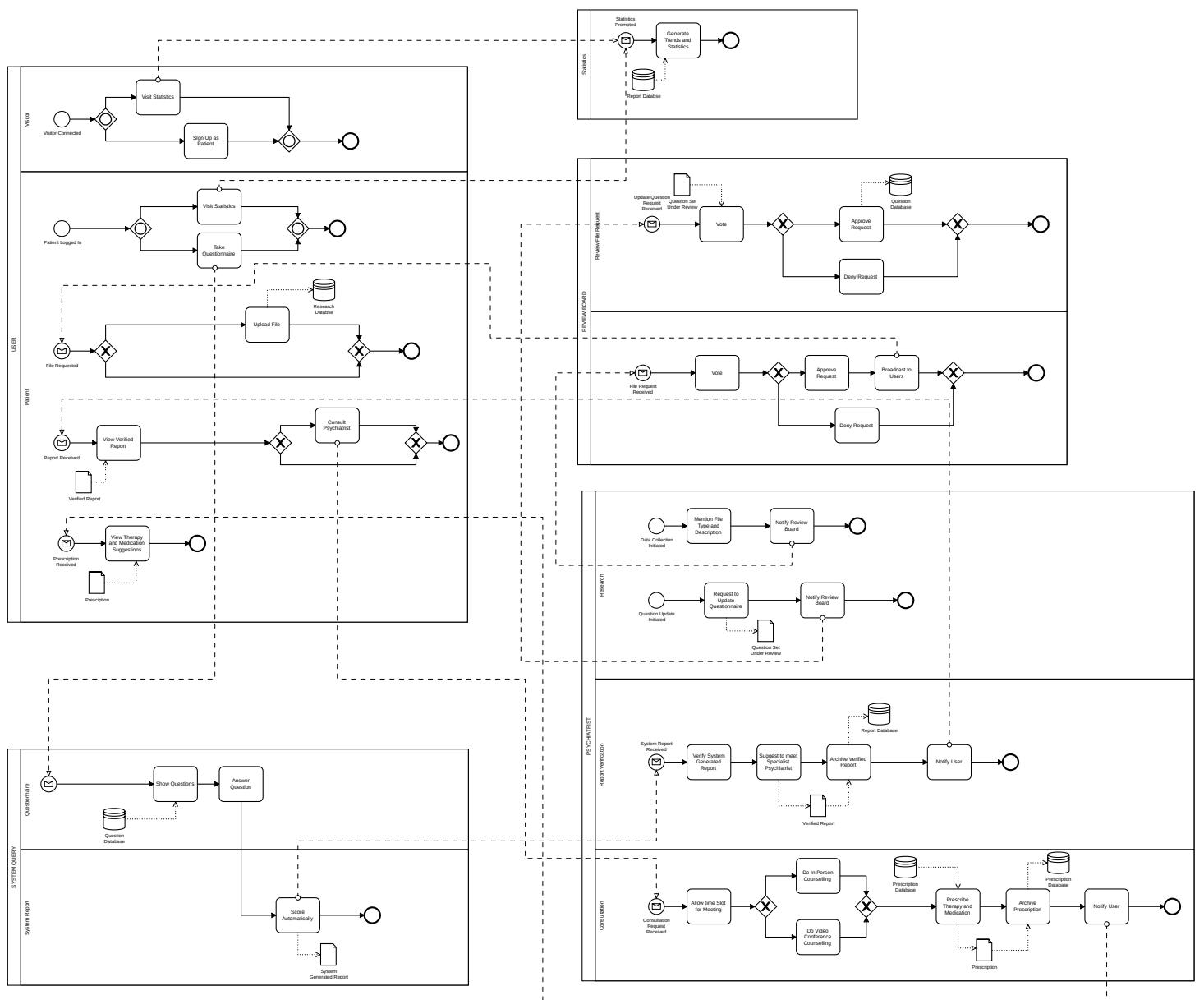


Figure 3.1: BPMN Diagram

Chapter 4

Mock UI

The mock UI is presented below. The feedbacks were mainly incorporated into the subsequent UML diagrams.



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TRENDS AND STATISTICS

[Autism Trends](#)

[OCD Trends](#)

[Depression Trends](#)

[PTSD Trends](#)

[Psychotic Trends](#)

[Orthorexia Trends](#)

[Binge Eating Trends](#)

[Stress Trends](#)



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PTSD Trends

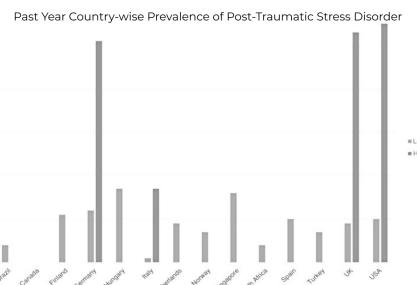
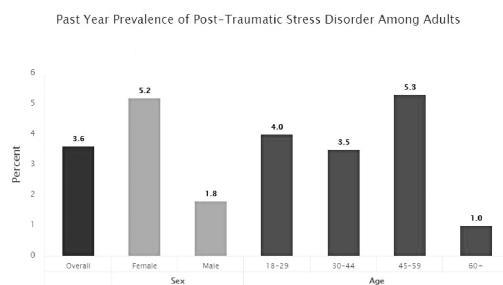
Last Month

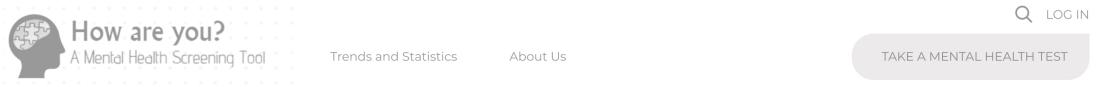
9236
Tests

5647
Confirmed

4775
Medicated

3564
Recovered





Sometimes things happen that are really traumatic. For example:

- a serious accident or injury
- a natural calamity
- a physical or sexual assault
- a war
- seeing someone else get hurt
- having a loved one die

Have you ever experienced something like this?

If YES, [take a tour to our screening tool](#).

Source:
PC-PTSSD is in Public Domain
<https://www.ptsd.va.gov>

DSM-5 Manual by The American Psychiatric Association is available at
<https://www.psychiatry.org/psychiatrists/practice/dsm>

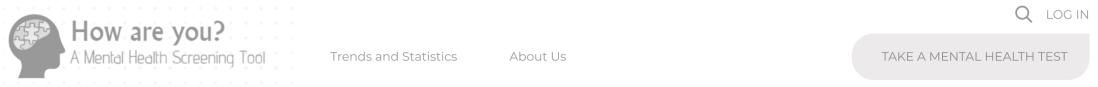
Login

Email or Username

Password ([Forgot Password?](#))

[LOG IN](#)

No account? [Create one](#)



Sometimes things happen that are really scary or traumatic. For example:

- a serious accident or injury
- a natural calamity
- a physical or sexual assault
- a war
- seeing someone else get hurt
- having a loved one die

Have you ever experienced something like this?

If YES, [take a tour to our screening tool](#).

Source:
PC-PTSSD is in Public Domain
<https://www.ptsd.va.gov>

DSM-5 Manual by The American Psychiatric Association is available at
<https://www.psychiatry.org/psychiatrists/practice/dsm>

Signup

Signup as

Patient
Psychiatrist

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Signup

Sometimes things happen that are really traumatic. For example:

- a serious accident
- a natural calamity
- a physical or sexual assault
- a war
- seeing someone they care about get hurt
- having a loved one die

Have you ever experienced something like this?

If YES, [take a tour to learn more](#)

Source:
PC-PTSSD is in Public Domain
<https://www.ptsd.va.gov>

DSM-5 Manual by The American Psychiatric Association
<https://www.psychiatry.org>

First Name

Last Name

Email

Password

Optional

Cell

Date of birth

Gender

Upload a profile photo

SIGN UP

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Signup

Sometimes things happen that are really traumatic. For example:

- a serious accident
- a natural calamity
- a physical or sexual assault
- a war
- seeing someone badly hurt
- having a loved one die

Have you ever experienced something traumatic?

If YES, [take a tour to learn more](#)

Source:
PC-PTSSD is in Public Domain
<https://www.ptsd.va.gov>

DSM-5 Manual by The American Psychiatric Association
<https://www.psychiatry.org>

First Name

Last Name

Email

Cell

Password

Specialty

Optional

Upload a profile photo

SIGN UP

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Autism Tests

Are you experiencing the most common symptoms of autism? Find out using our Autism tests.

OCD Tests

Suffering from obsessive thoughts or compulsive behavior? Take a tour to our OCD tests.

Orthorexia Tests

Having eating disorders in a healthy way? Find out using our Orthorexia test.

PTSD Tests

Any horrible course of events that are still terrifyng you? Find out through our PTSD tests.



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PTSD Tests



1. Feeling detached from people, activities or surroundings?

YES NO

2. Thoughts of actually hurting yourself?

- None
- Slight
- Mild
- Moderate
- Severe

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PTSD Tests



Please take a moment to answer the following **optional** questions. Your answers help us provide better information and support for people like you.

About You

Age Range



Gender

About Your Mental Health

Have you ever been diagnosed with a mental health condition by a professional?



How are you?

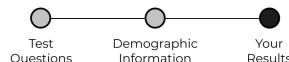
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PTSD Tests



Thank You!

Your initial score and responses are forwarded to the psychiatrists team.
You would be suggested any help or specialists if needed.
Please keep an eye on your Notifications tab for any new updates.

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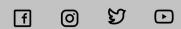
Consultation Requests

PATIENT SCORES AND RESPONSES

UPDATE QUESTIONNAIRE

REQUEST FILES FROM PATIENTS

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PATIENT SCORES AND RESPONSES

Patient Name	System Scores	Responses	Suggest Psychiatrists
Audrey McKinney	PTSD Positive	Show Responses	Suggest
Stella Warren	PTSD Positive	Show Responses	Suggest
John Doe	PTSD Negative	Show Responses	Suggest
Brian Smith	PTSD Positive	Show Responses	Suggest
Trent Alexander	PTSD Negative	Show Responses	Suggest



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Suggest Psychiatrist(s) for Stella Warren



Adolescent

- Marvin McCoy
- Benedict Cumberbatch

Geriatric

- Arlene Steward
- Kevin De Bruyne

Send



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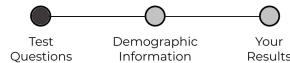
Notifications

VERIFIED REPORTS

COUNSELING APPROVALS

SUGGESTED MEDICATIONS

PTSD Tests



1. Feeling detached from people, activities or surroundings?

YES NO

2. Thoughts of actually hurting yourself?

- None
- Slight
- Mild
- Moderate
- Severe

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VERIFIED REPORTS

Arlene Steward reviewed your report

On 2022-01-10, 15:00

Show Verified Report

Suggested Psychiatrists



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VERIFIED REPORTS

Arlene Steward reviewed your report

On 2022-01-10, 15:00

Show Verified Report

Suggested Psychiatrists



Marvin McCoy

Kevin De Bruyne

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Marvin McCoy



Adolescent
Psychiatrist

Cell: 998-543210
Email: mcoy@mail.com

AREAS OF EXPERTISE

1. Adolescent Psychiatry
2. Cultural Psychiatry
3. Psychiatry on Personality Disorders

HONORS AND AWARDS

1. Arnold P. Gold Foundation Award for Humanism and Excellence In Teaching, 2015
2. Program for Adolescent Research Program in Psychiatry National Research Service Award (NRSA), 2009

AVAILABLE HOURS

Monday to Thursday: 18:00 - 20:00
Sunday: 15:30 - 20:00

[Send Consultation Request ▶](#)



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CONSULTATION REQUESTS

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SUGGESTIONS

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UPDATE QUESTIONNAIRE

REQUEST FILES FROM PATIENTS



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CONSULTATION REQUESTS

Name	Verified Report	Counseling Time	Counseling Method	Notify Patient
Stella Warren	Show Verified Report	2022-01-04, 20:00	In Person Counseling ▾	Notify
John Doe	Show Verified Report	2022-01-20, 20:00	In Person Counseling ▾	Notify
Brian Smith	Show Verified Report	2022-01-20, 20:00	In Person Counseling ▾	Notify
Trent Alexander	Show Verified Report	2022-02-02, 20:00	In Person Counseling ▾	Notify
Phil Foden	Show Verified Report	2022-02-20, 20:00	In Person Counseling ▾	Notify



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CONSULTATION REQUESTS

Name	Verified Report	Counseling Time	Counseling Method	Notify Patient
Stella Warren	<button>Show Verified Report</button>	2022-01-04, 20:00	<button>In Person Counseling</button>	<button>Notify</button>
John Doe	<button>Show Verified Report</button>	2022-01-20, 20:00	<button>In Person Counseling</button>	<button>Notify</button>
Brian Smith	<button>Show Verified Report</button>	2022-01-20, 20:00	<button>In Person Counseling</button> <button>Video Conference Counseling</button>	<button>Notify</button>
Trent Alexander	<button>Show Verified Report</button>	2022-02-02, 20:00	<button>In Person Counseling</button>	<button>Notify</button>
Phil Foden	<button>Show Verified Report</button>	2022-02-20, 20:00	<button>In Person Counseling</button>	<button>Notify</button>



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Notifications

COUNSELING APPROVALS

Filter By

Marvin McCoy responded to your request

On 2022-01-10, 15:00

Counseling Detail

Arlene Steward responded to your request

On 2022-01-09, 15:00

Counseling Detail

Home



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COUNSELING APPROVALS

Filter By

Marvin McCoy responded to your request

On 2022-01-10, 15:00

Counseling Detail



Arlene Steward responded to your request

On 2022-01-09, 15:00

Counseling Detail



Date: 2020-01-02

Time: 18:30

Method: Video Conference Counseling

Home



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PENDING MEDICATION SUGGESTIONS

Name	Counseling Time	Counseling Method	Suggest	Remove
Stella Warren	2022-01-04, 20:00	In Person Counseling	<button>Prescribe</button>	
John Doe	2022-01-20, 20:00	Video Conference Counseling	<button>Prescribe</button>	
Brian Smith	2022-01-20, 20:00	Video Conference Counseling	<button>Prescribe</button>	
Trent Alexander	2022-02-02, 20:00	In Person Counseling	<button>Prescribe</button>	
Phil Foden	2022-02-20, 20:00	In Person Counseling	<button>Prescribe</button>	



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Prescription for Stella Warren

Therapy



Medicine



Cancel

Send

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Prescription for Stella Warren

Therapy



Name: _____

Description: _____

Add Therapy

Medicine



Cancel

Send



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Prescription for Stella Warren

Therapy



Medicine



Name: _____

Days: _____

Usage: _____

Add Medicine

Cancel

Send ➤



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SUGGESTED MEDICATIONS

Filter By

Marvin McCoy has suggested medications for you.
Find details with the attached prescription.

 [Show Prescription](#)

On 2022-01-10, 15:00

Arlene Steward has suggested medications for you.
Find details with the attached prescription.

 [Show Prescription](#)

On 2022-01-10, 10:00

Marvin McCoy has suggested medications for you.
Find details with the attached prescription.

 [Show Prescription](#)

On 2022-01-05, 20:00

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Prescription from Marvin McCoy

Medicine

Name: Lurasidone(Latuda) 50mg

Days: 1 month

Usage: 1+0+1 (after meal)

Home



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Consultation Requests

REQUEST FILES FROM PATIENTS

File Type *

e.g. hand-sketch of some object, room, etc.

Message *

short specification of the file

Cancel

Send

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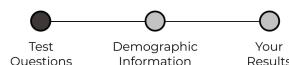
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Take active part in our Data Collection process

PTSD Tests



1. Feeling detached from people, activities or surroundings?

YES NO

2. Thoughts of actually hurting yourself?

- None
- Slight
- Mild
- Moderate
- Severe

NEXT >



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FILE REQUESTS



From Psychiatrist A

On 2022-01-10, 15:00

[+ Show Detail](#)

No file chosen

[⊖ Remove](#)

From Psychiatrist B

On 2022-01-10, 15:00

[+ Show Detail](#)

No file chosen

[⊖ Remove](#)[Home](#)



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FILE REQUESTS



From Psychiatrist A

On 2022-01-10, 15:00



No file chosen

+ Show Detail

From Psychiatrist B

On 2022-01-10, 15:00



No file chosen

⊖ Remove

File Type: Room Sketch

Message: Mention door,
window, stairs locations
clearly

+ Show Detail

Home



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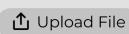
[Notifications](#)

FILE REQUESTS



From Psychiatrist A

On 2022-01-10, 15:00



sketch1.jpg

+ Show Detail



Done



Remove

From Psychiatrist B

On 2022-01-10, 15:00



No file chosen

+ Show Detail





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UPDATE QUESTIONNAIRE

Autism Tests

OCD Tests

Orthorexia Tests

PTSD Tests

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UPDATE QUESTIONNAIRE (PTSD)

1. Feeling detached from people, activities or surroundings?

[YES](#)[NO](#)[Edit](#)

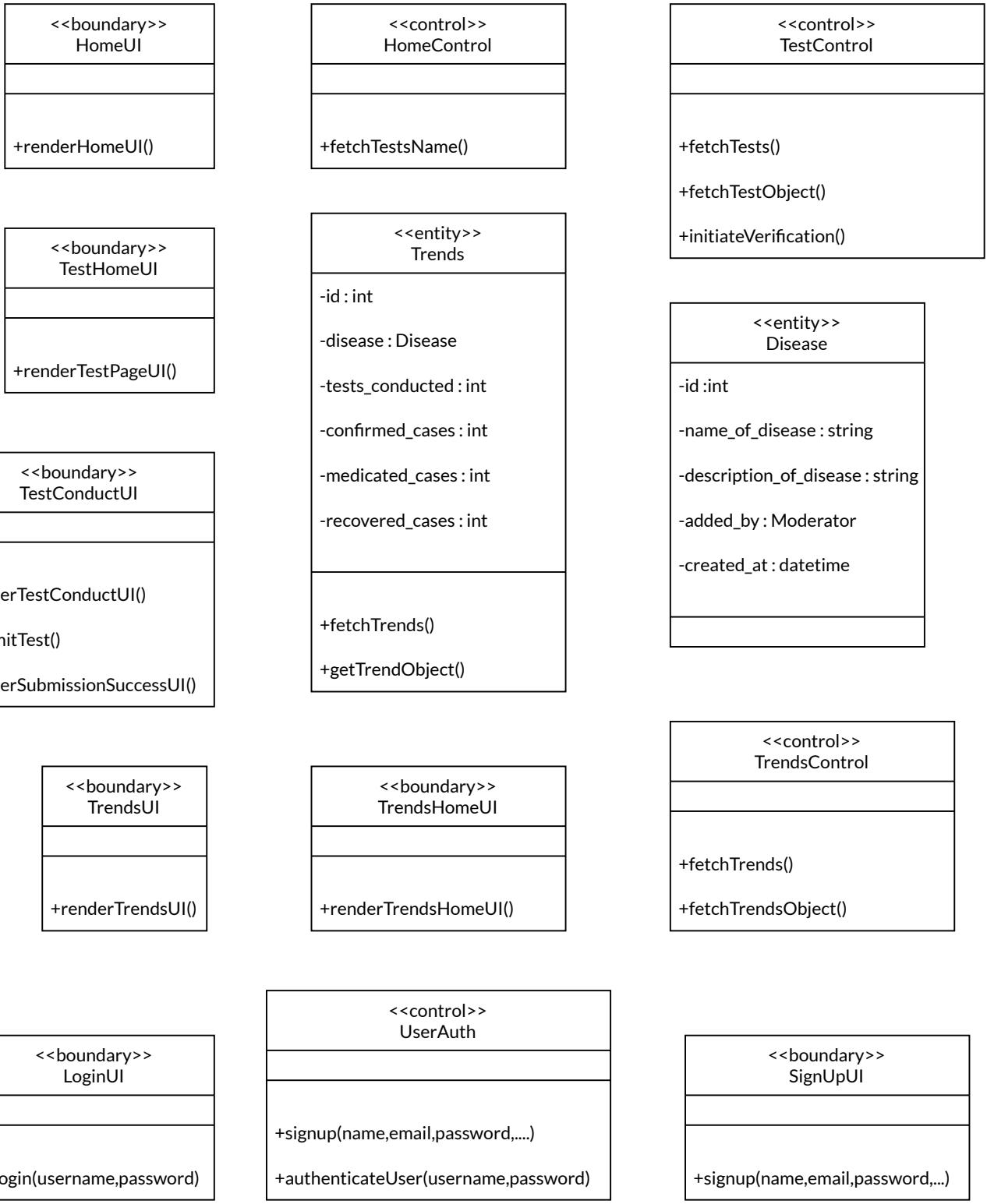
2. Thoughts of actually hurting yourself?

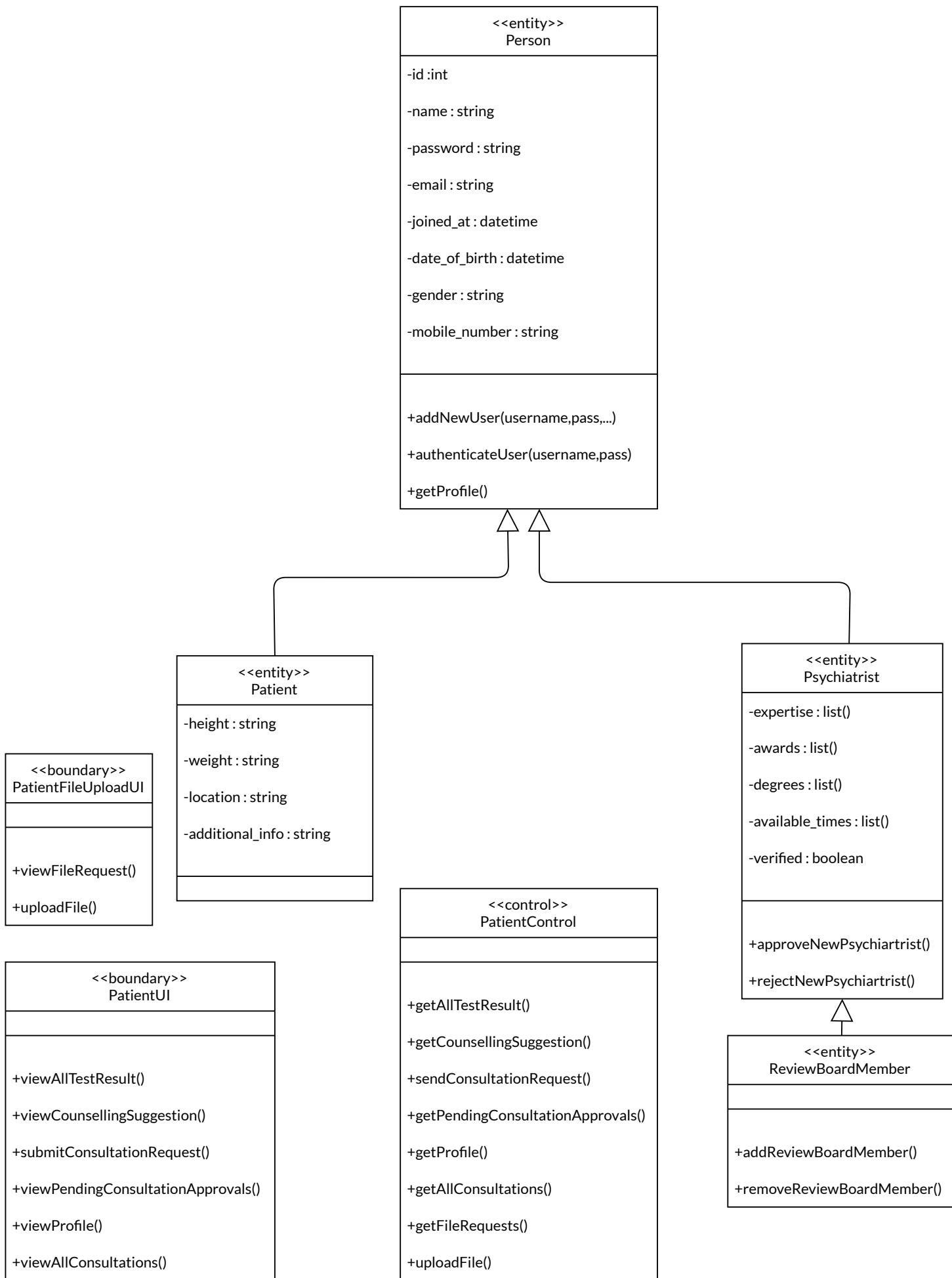
 None Slight Mild Moderate Severe[Edit](#)[+ Add New](#)[Update ➤](#)

Chapter 5

UML Class Diagrams

The UML Class Diagram is presented below. The feedbacks were incorporated into the UML sequence and collaboration diagrams.





<<entity>>
Award
- id :int
- award_name : string
- description : string
-award_host : string
-award_year : datetime

<<entity>>
Expertise
- id :int
- field_name : string
- description : string

<<entity>>
Degree
-id :int
-degree_name : string
-description : string
-institution : string
-graduation_year : datetime

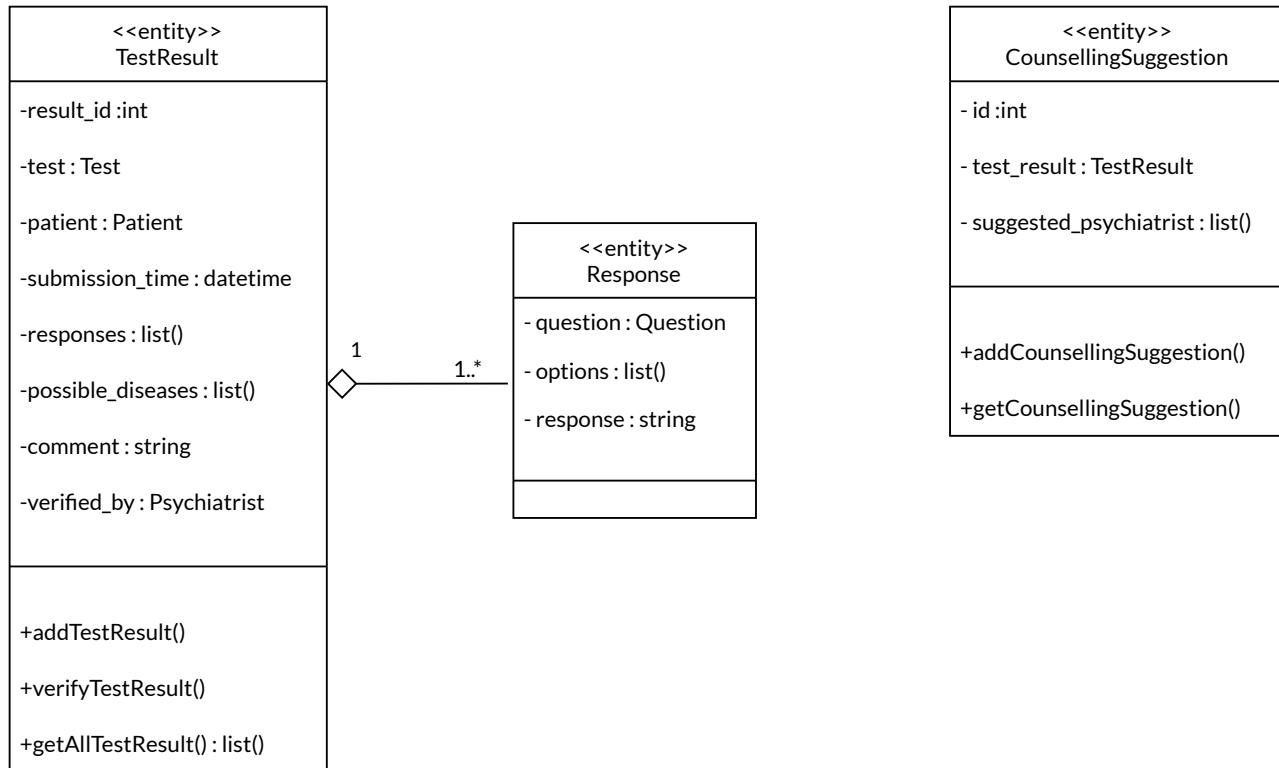
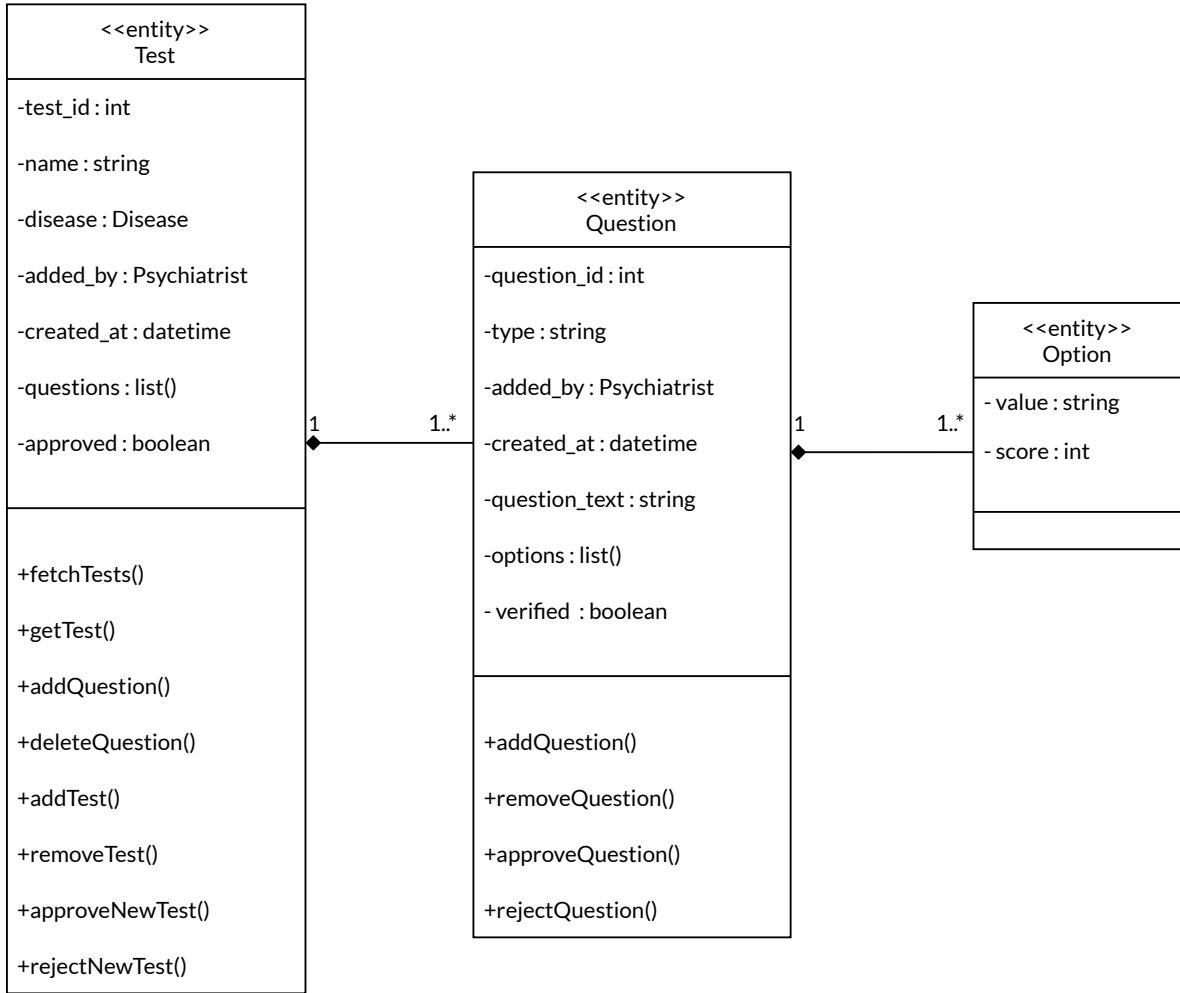
<<boundary>>
FileRequestUI
+submitFileRequest()
+showUploads()

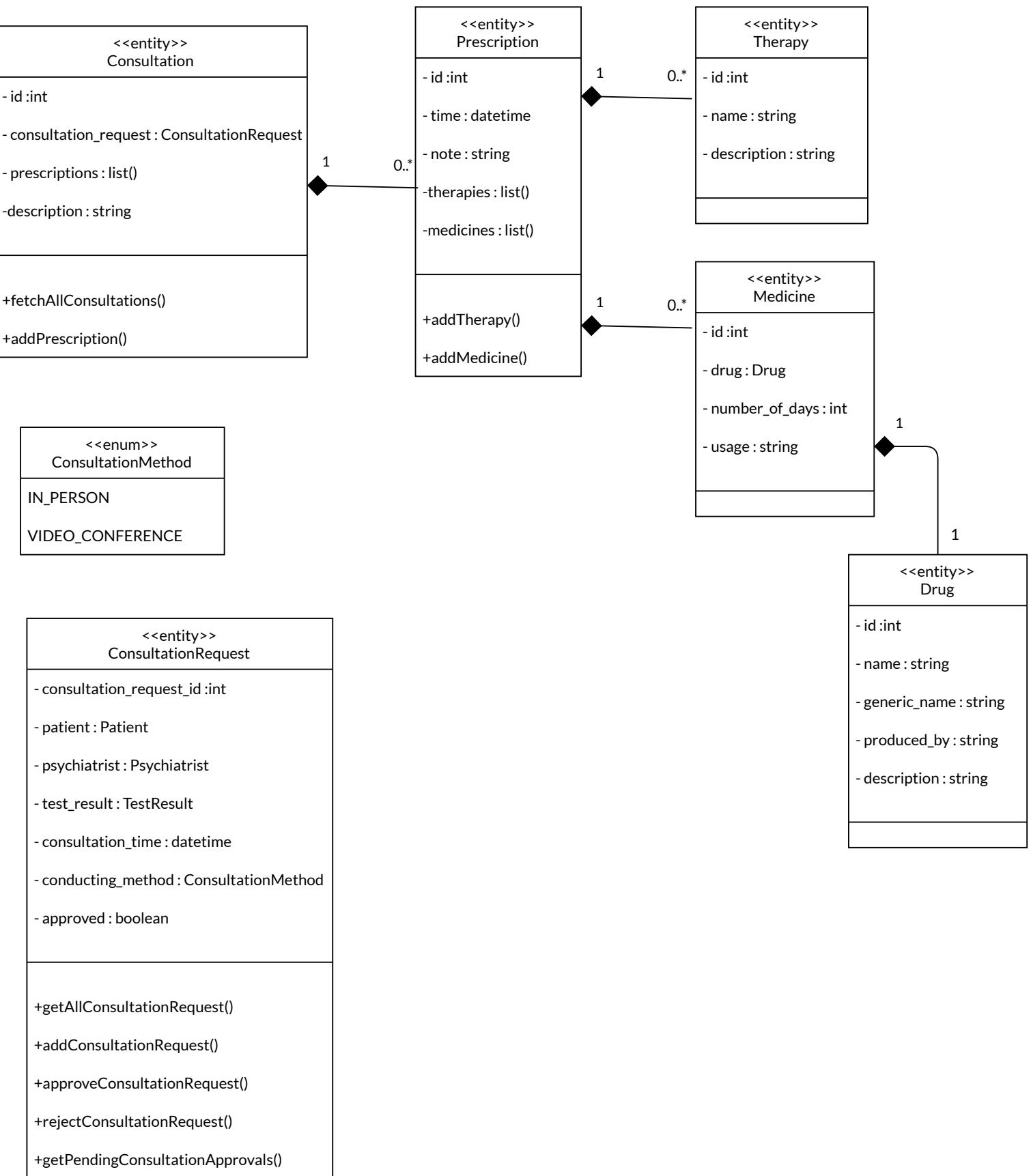
<<boundary>>
TestPanelUI
+submitNewQuestion()
+submitRemoveQuestion()
+submitNewTest()
+submitRemoveTest()

<<boundary>>
PsychiatristUI
+showPendingVerification()
+submitVerification()
+submitPsychiatristSuggestion()
+viewProfile()

<<boundary>>
ConsultationUI
+viewAllConsultationRequest()
+submitConsultationRequestResponse()
+viewAllConsultations()
+submitPrescription()

<<control>> PsychiatristControl	<<control>> PsychiatristReviewBoardControl	<<boundary>> PsychiatristReviewBoardUI
+verifyTestResult() +suggestPsychiatrist() +fetchAllConsultations() +getProfile() +getAllConsultationRequest() +approveConsultationRequest() +rejectConsultationRequest() +prescribe() +addQuestion() +removeQuestion() +requestFile() +getUploads() +addTest() +removeTest()	+approveNewPsychiartrist() +rejectNewPsychiartrist() +approveQuestion() +rejectQuestion() +approveFileRequest() +rejectFileRequest() +approveNewTest() +rejectNewTest()	+viewPendingApproval() +submitNewPsychiatristDecision() +submitNewQuestionDecision() +submitFileRequestDecision() +submitNewTestDecision()





Chapter 6

UML ER Diagram

The UML Entity Relationship Diagram is presented below. Based on feedback, the following changes have been made.

1. A generalization has been added from the Patient and Psychiatrist tables to the Person table.
2. There was a one-to-many relationship from the Question table to the Rule table. However, a rule better corresponds to an option, rather than the whole question. Hence, the previous relationship has been removed and a one-to-many relationship has been inserted from the Option table to the Rule table.
3. At one particular consultation, only one prescription makes sense. There was a one-to-many relationship from the ConsultationRequest table to the prescription table. It was changed to a one-to-one relationship.
4. A field 'comment' was added to the ConsultationRequest table.

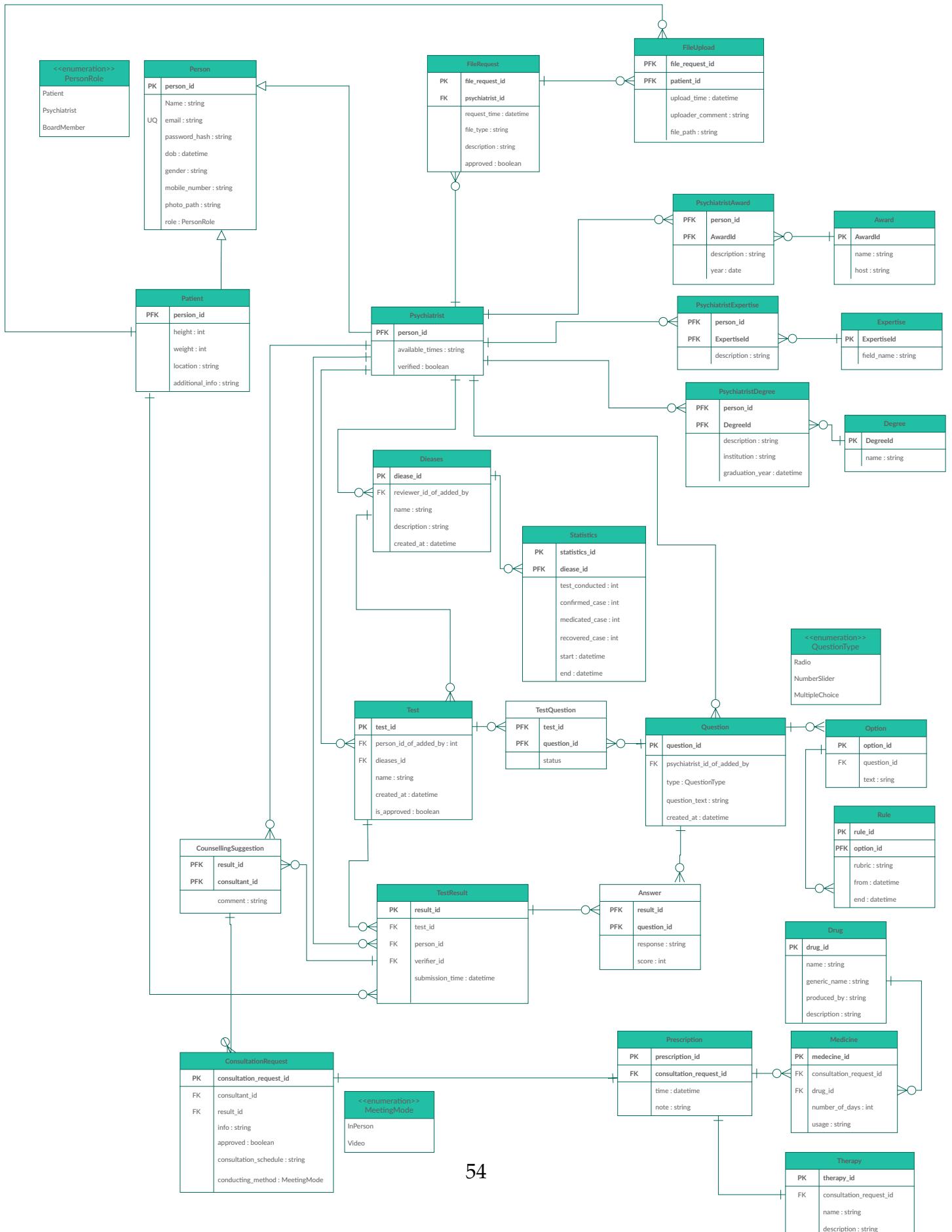
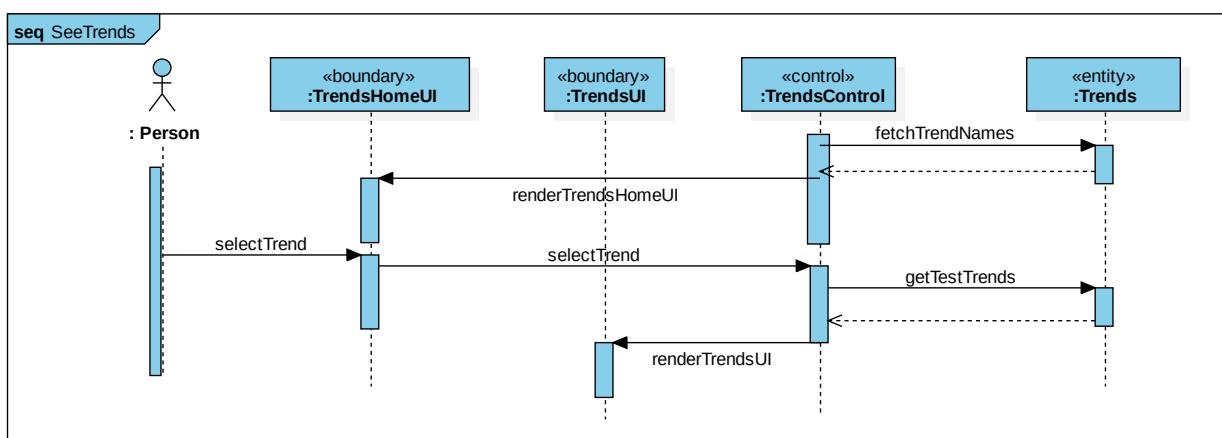


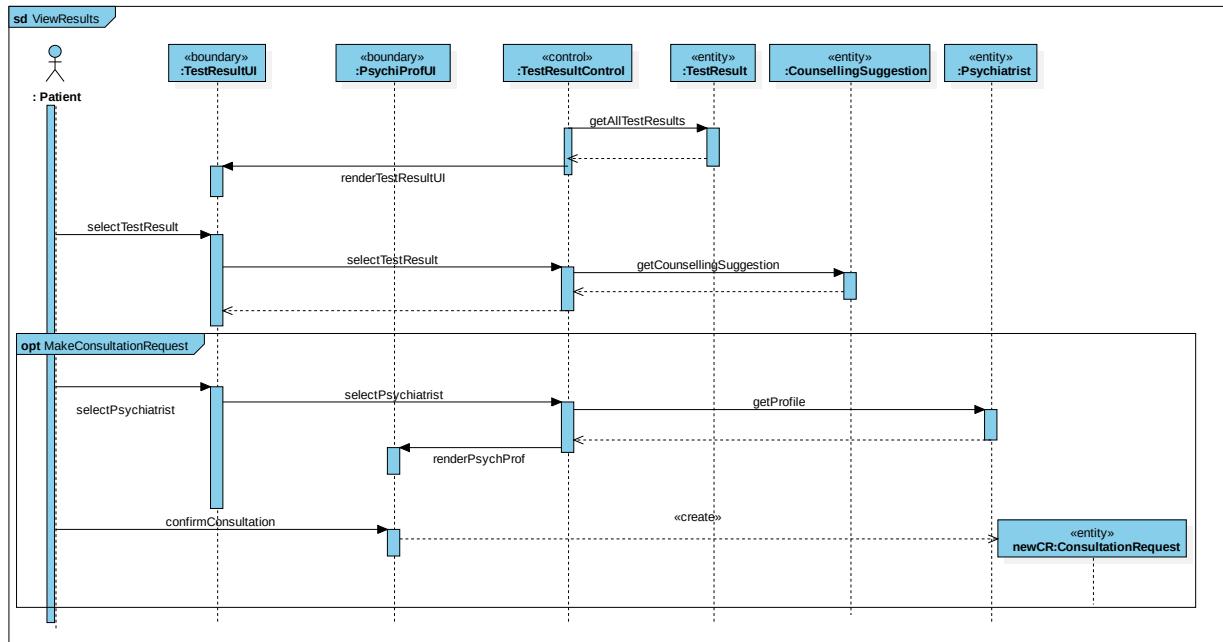
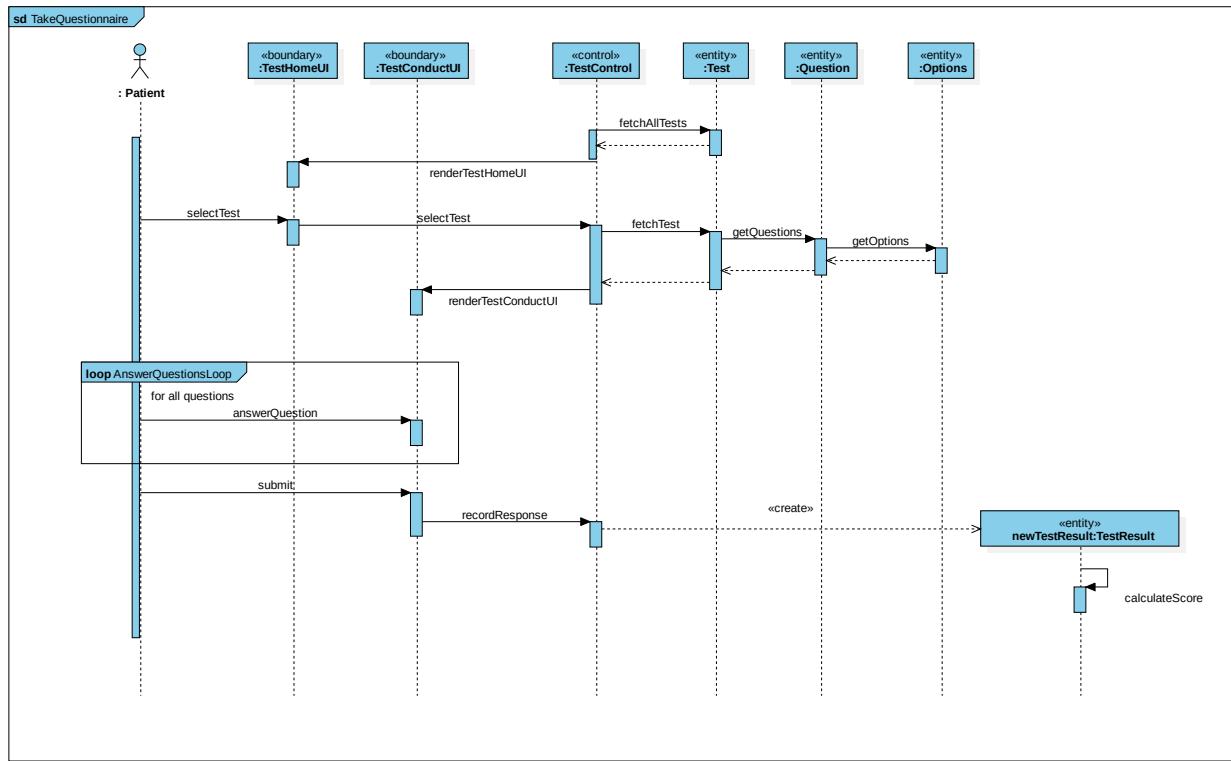
Figure 6.1: ER Diagram

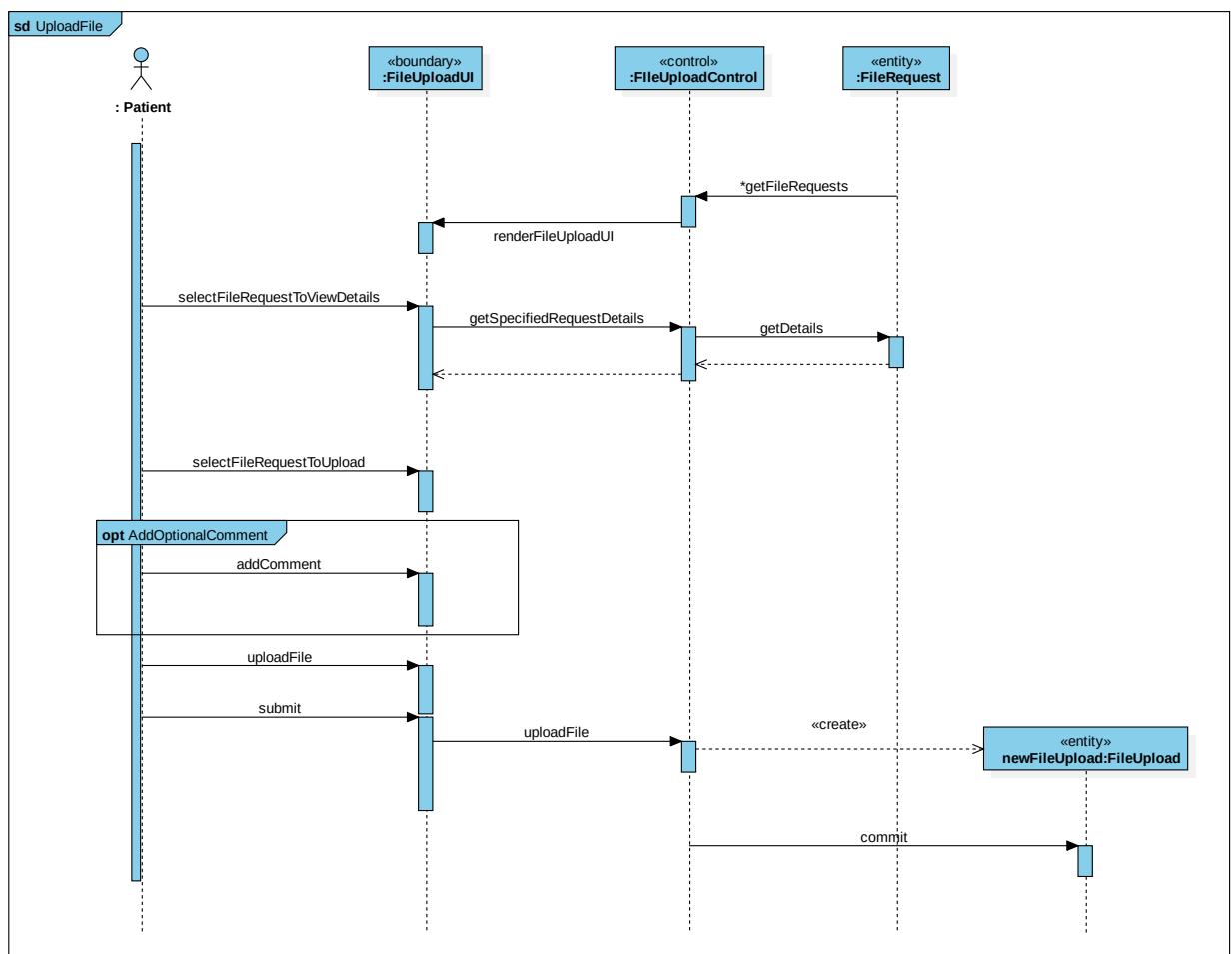
Chapter 7

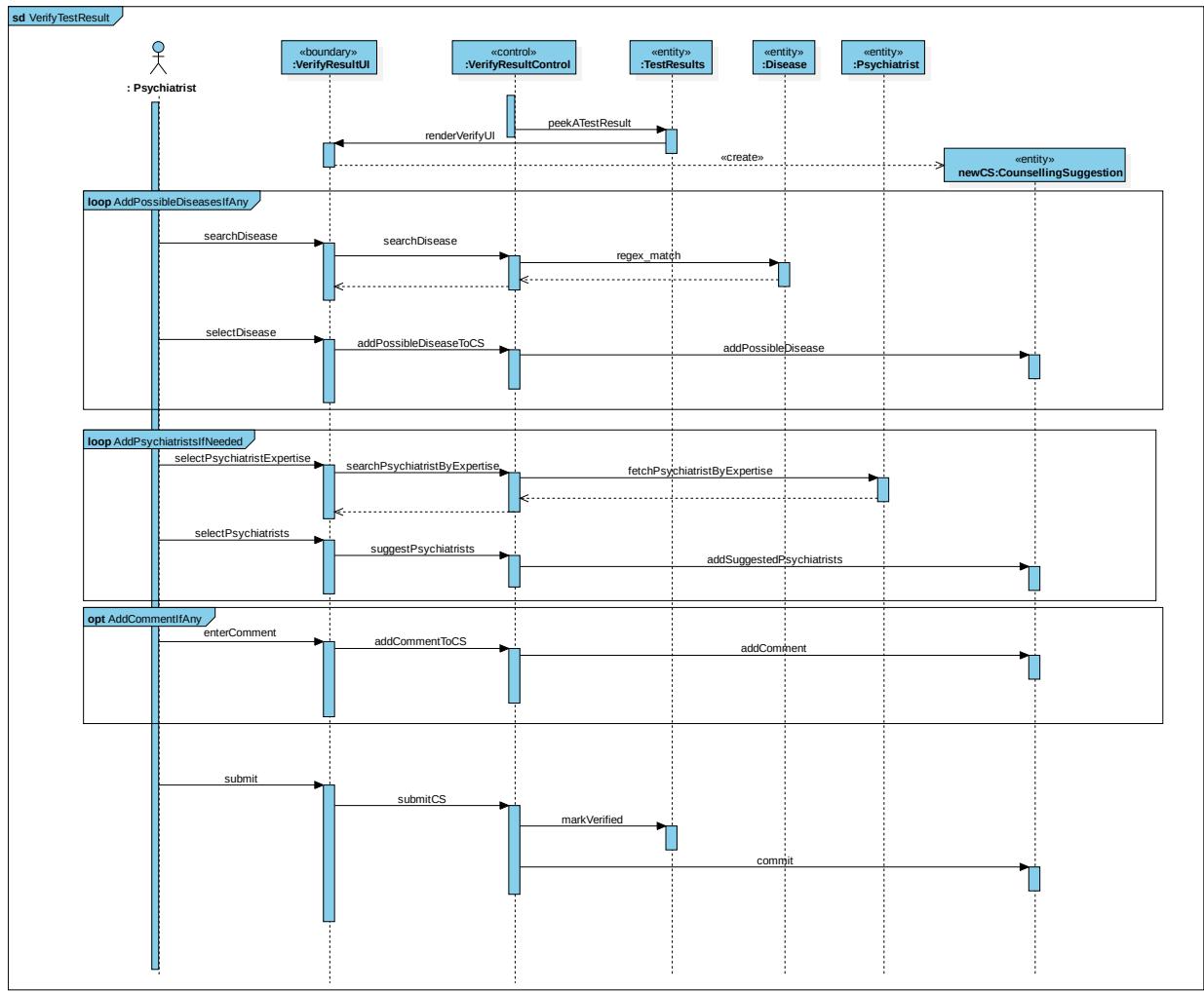
UML Sequence Diagrams

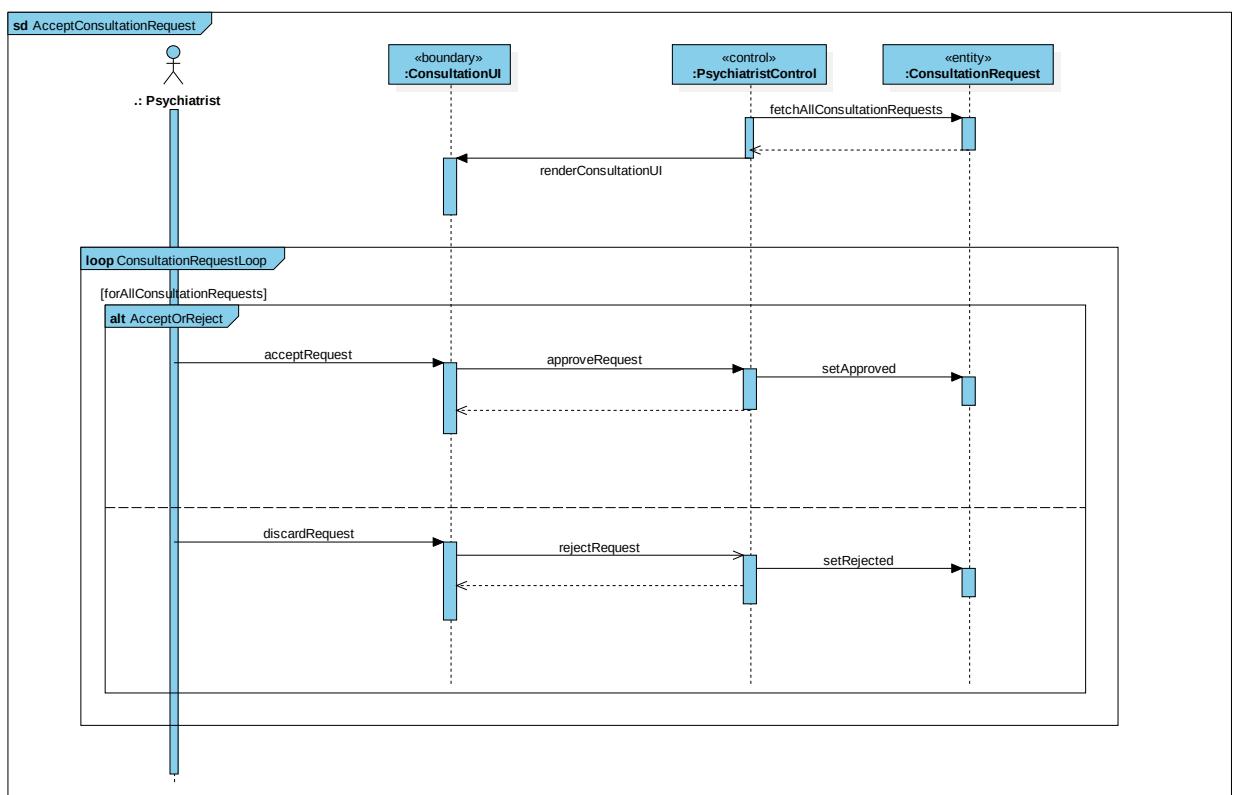
Here we attach the UML Sequence Diagrams. No modifications were suggested when they were presented in class.

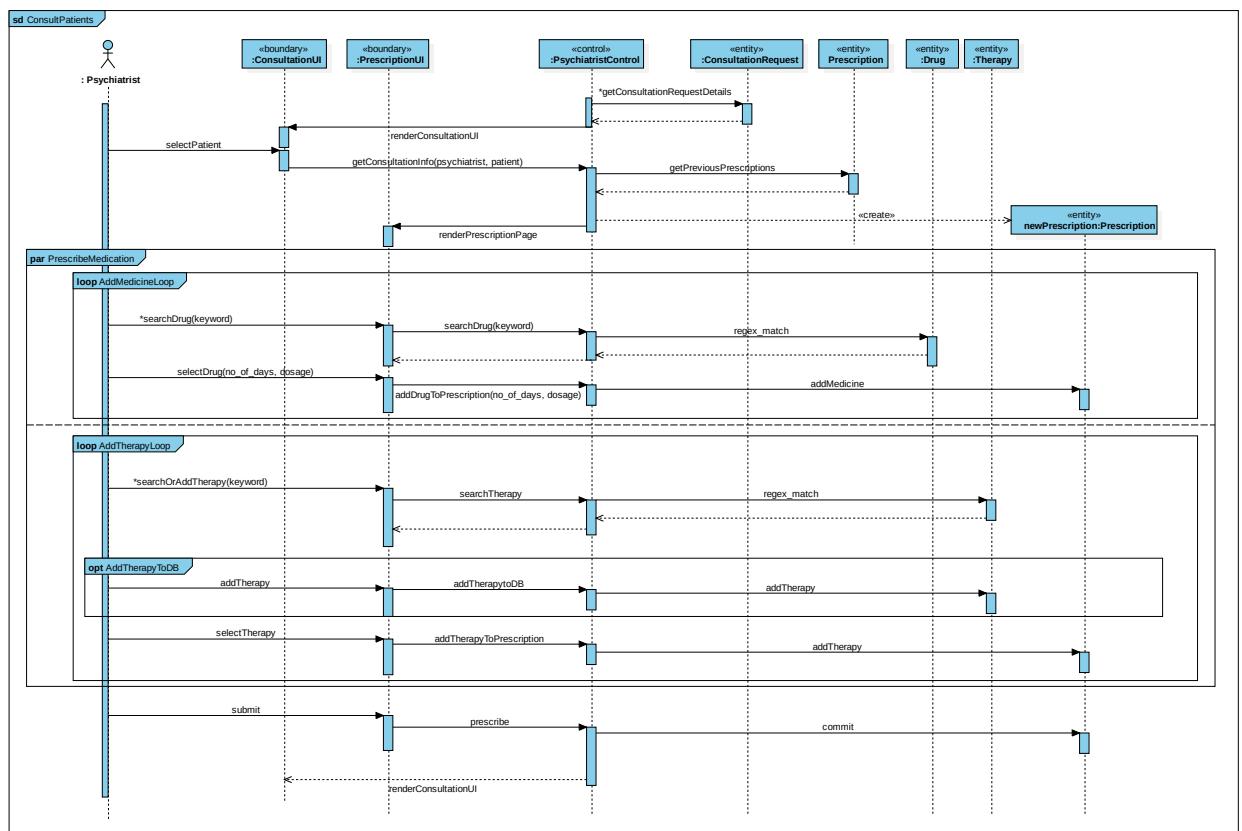


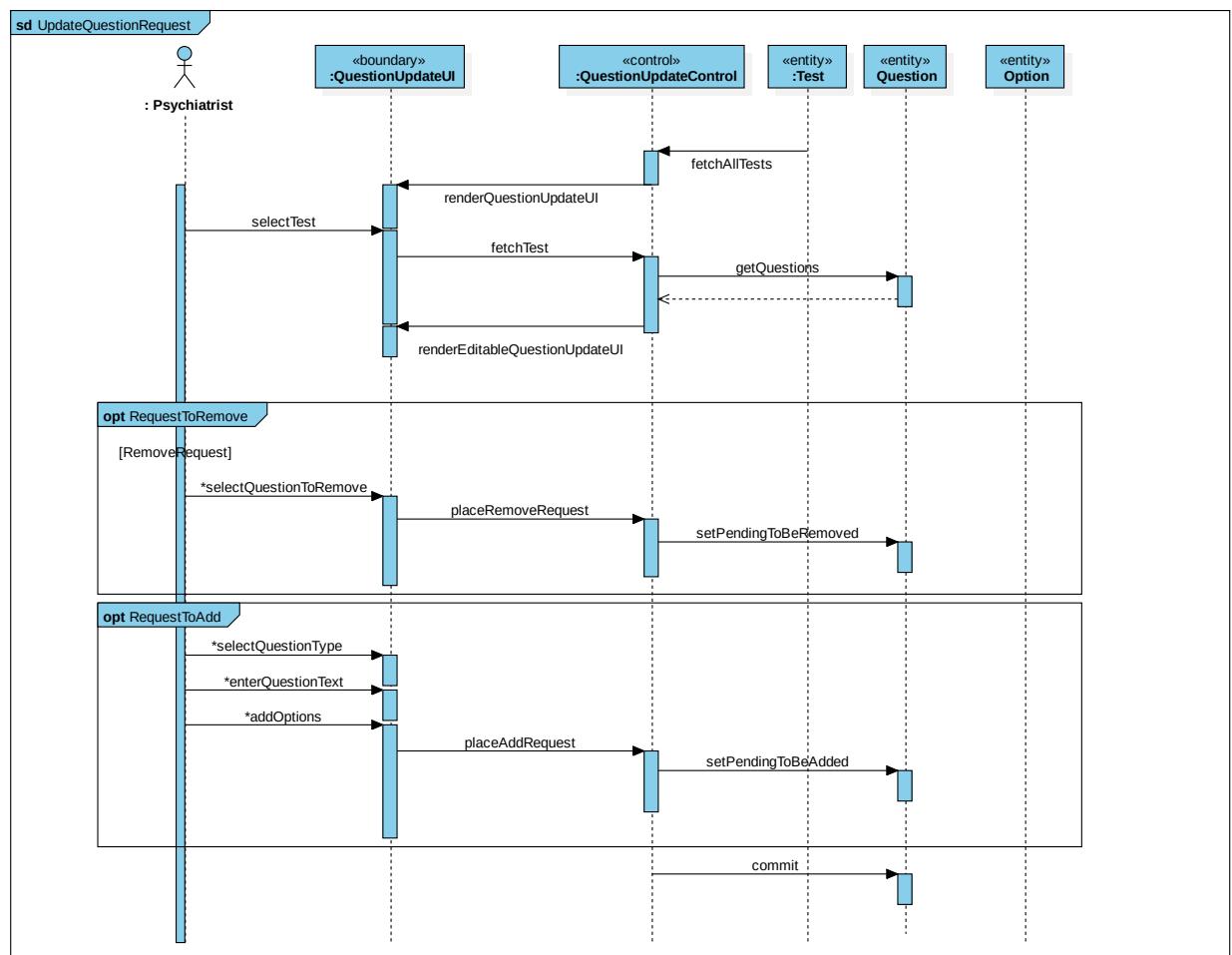


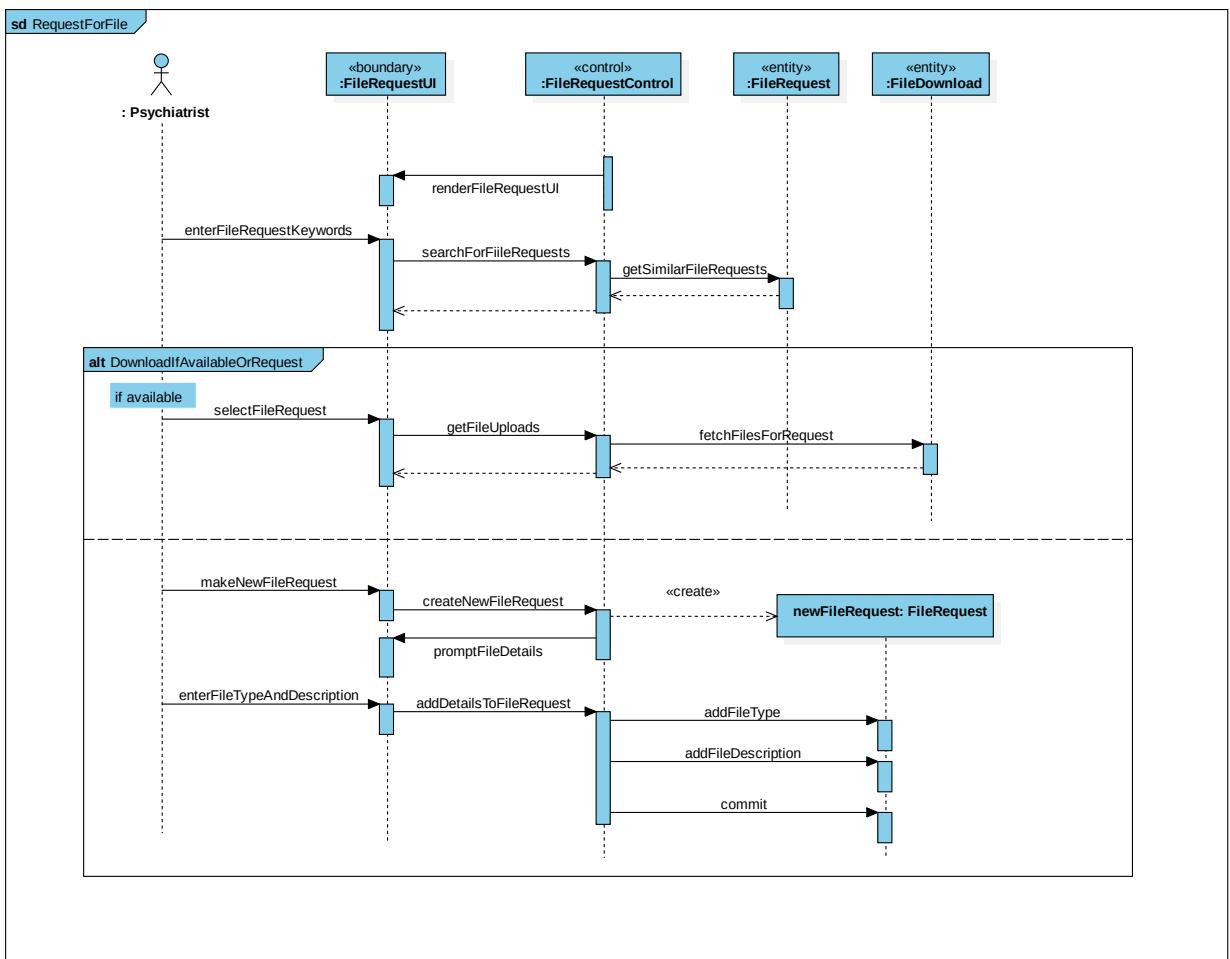


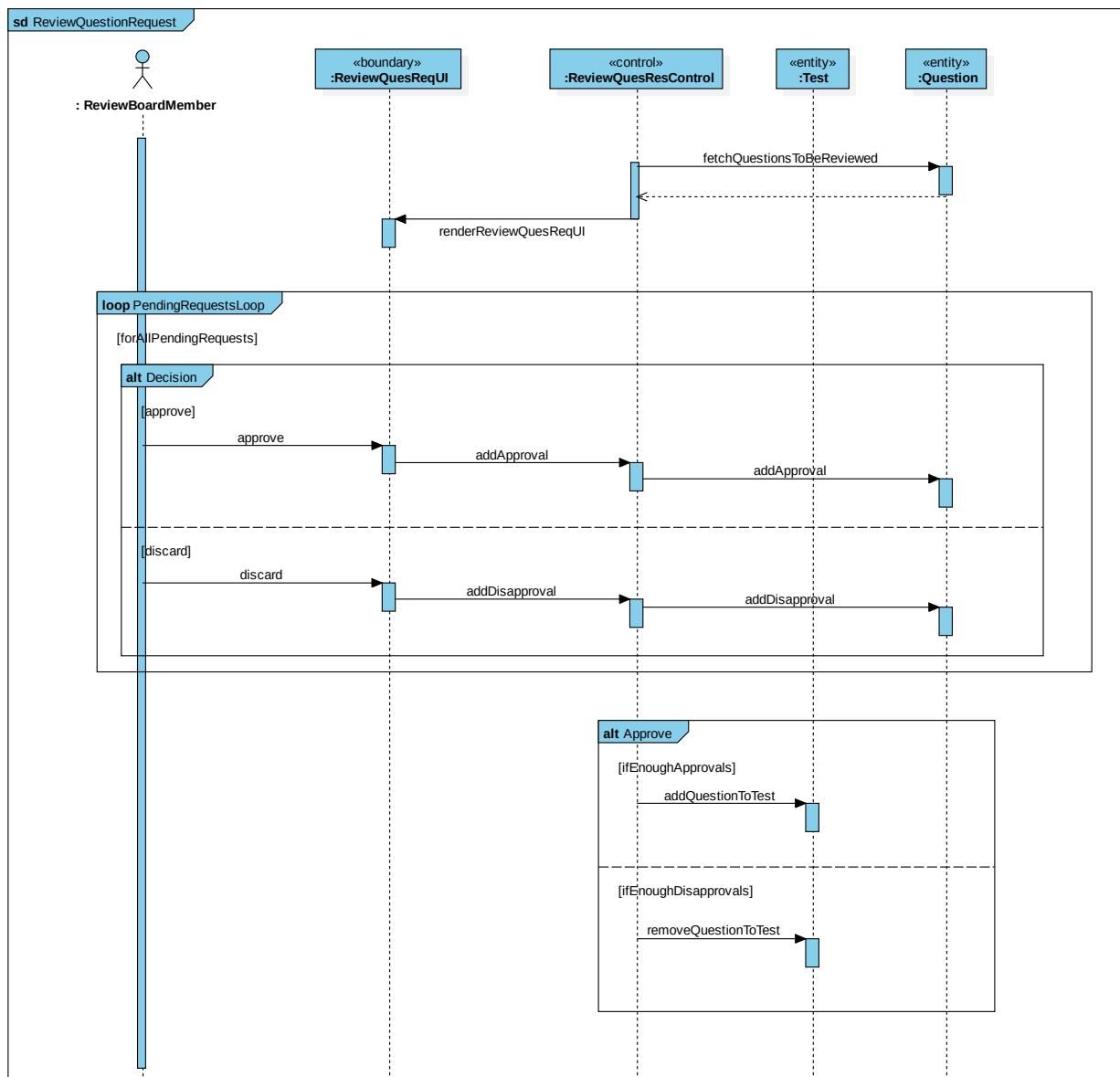


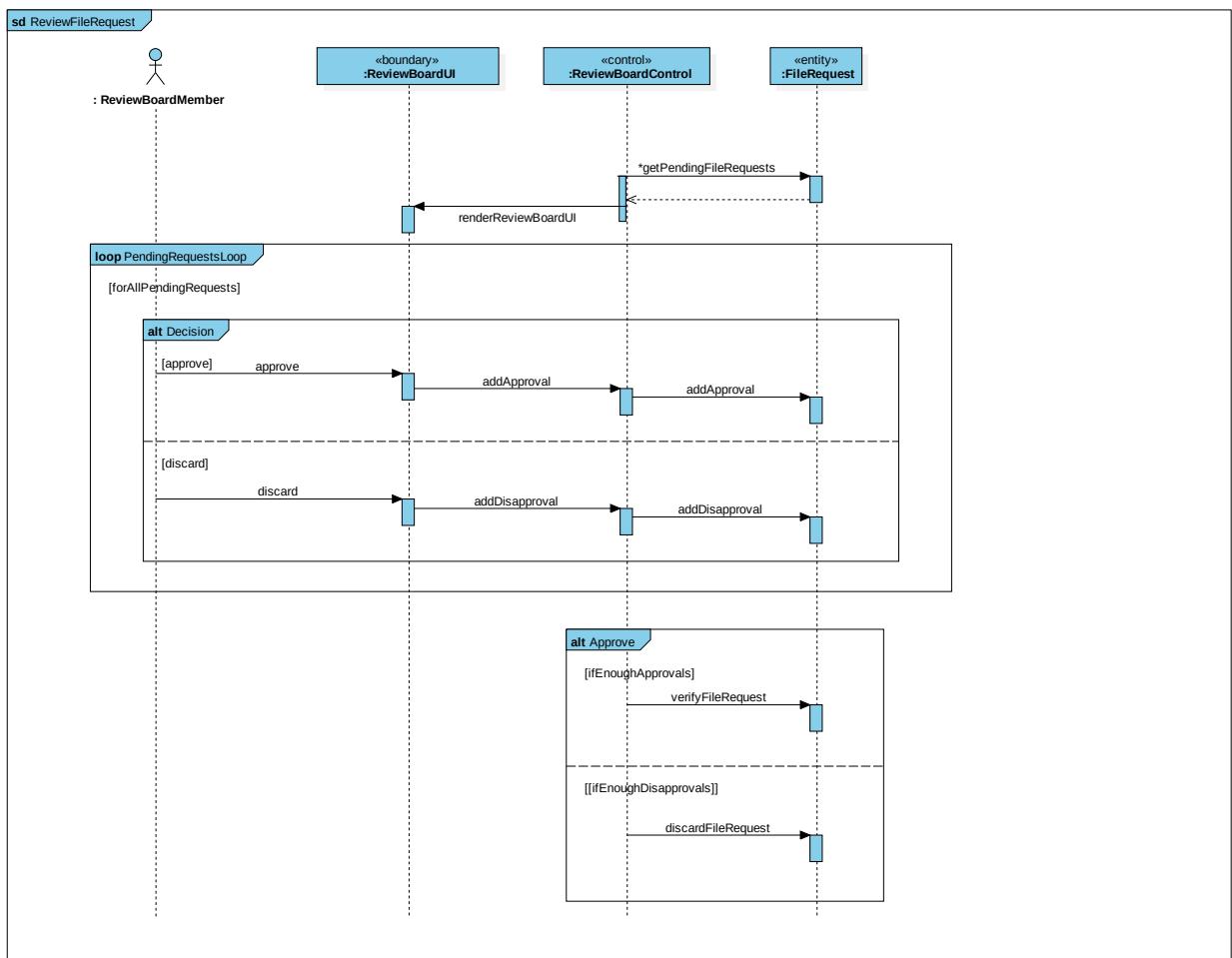












Chapter 8

UML Collaboaration Diagrams

Here we attach the UML Collaboaration Diagrams. No modifications were suggested when they were presented in class.

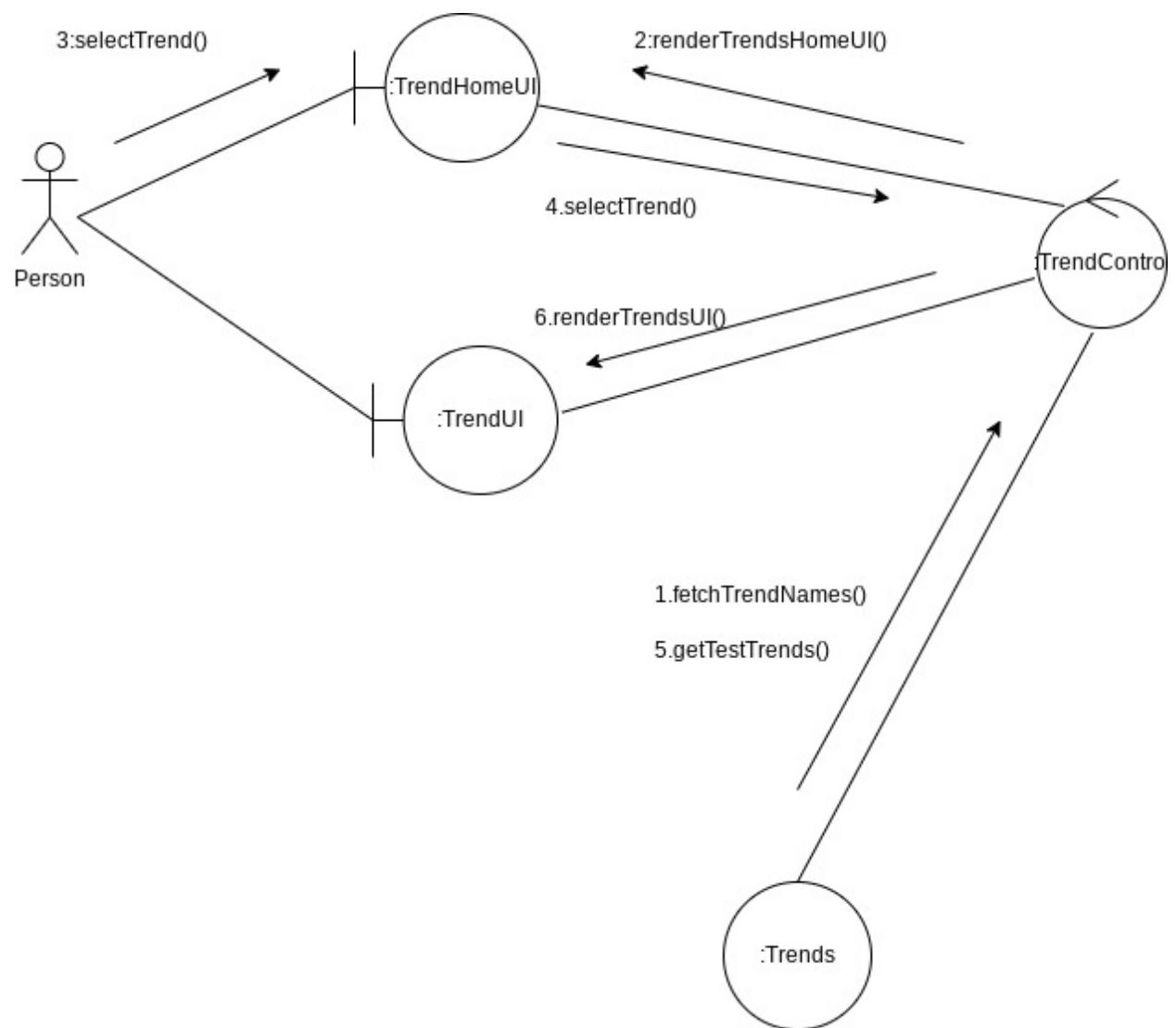


Figure 8.1: Collaboration: See Trends

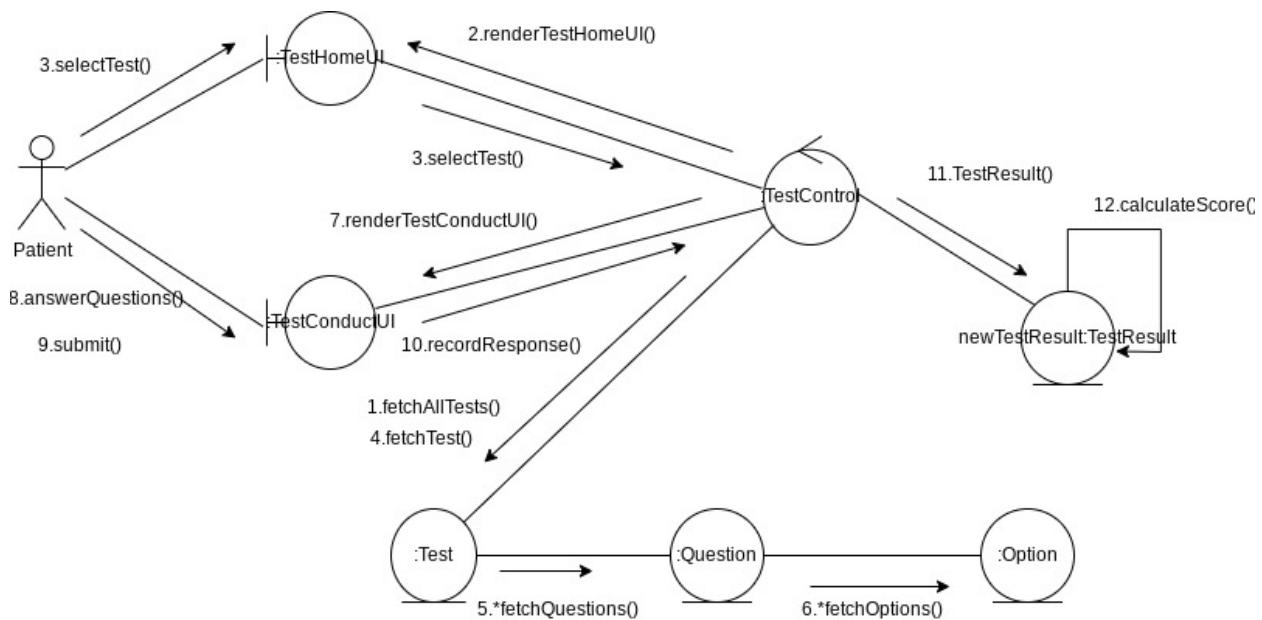


Figure 8.2: Collaboration: Take Questionnaire

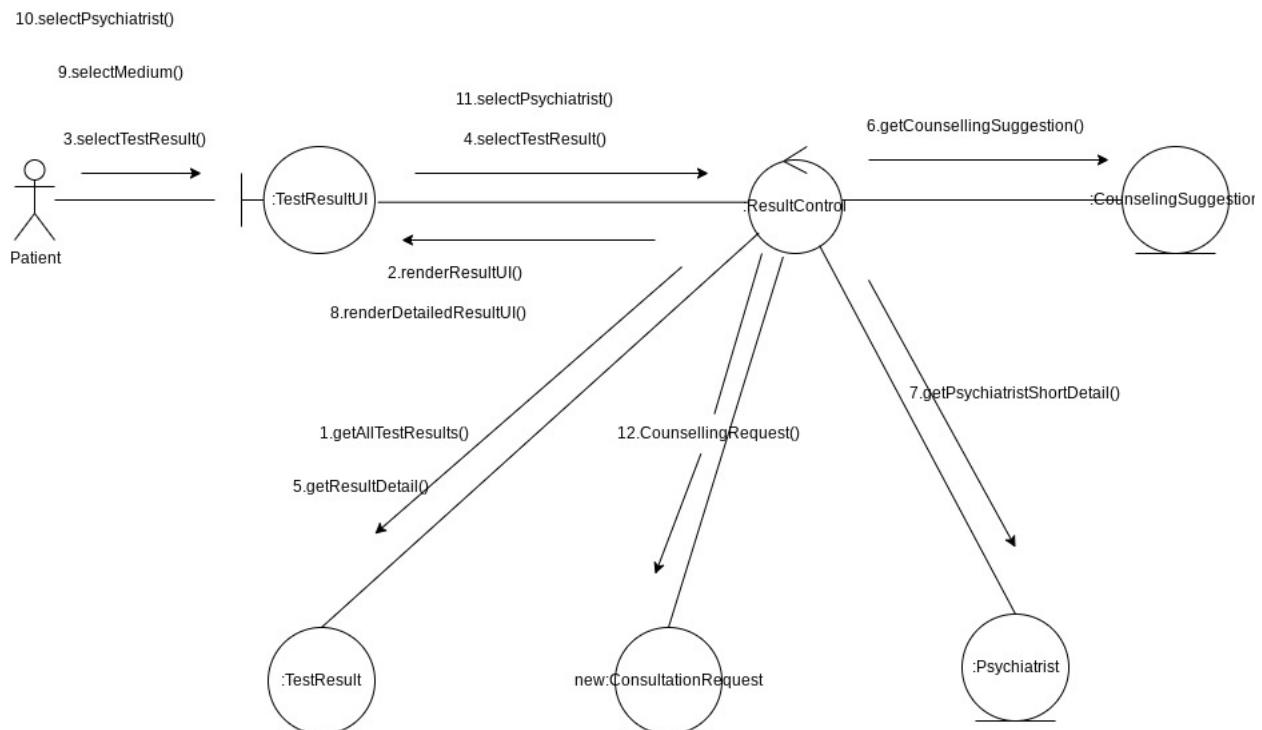


Figure 8.3: Collaboration: View Results

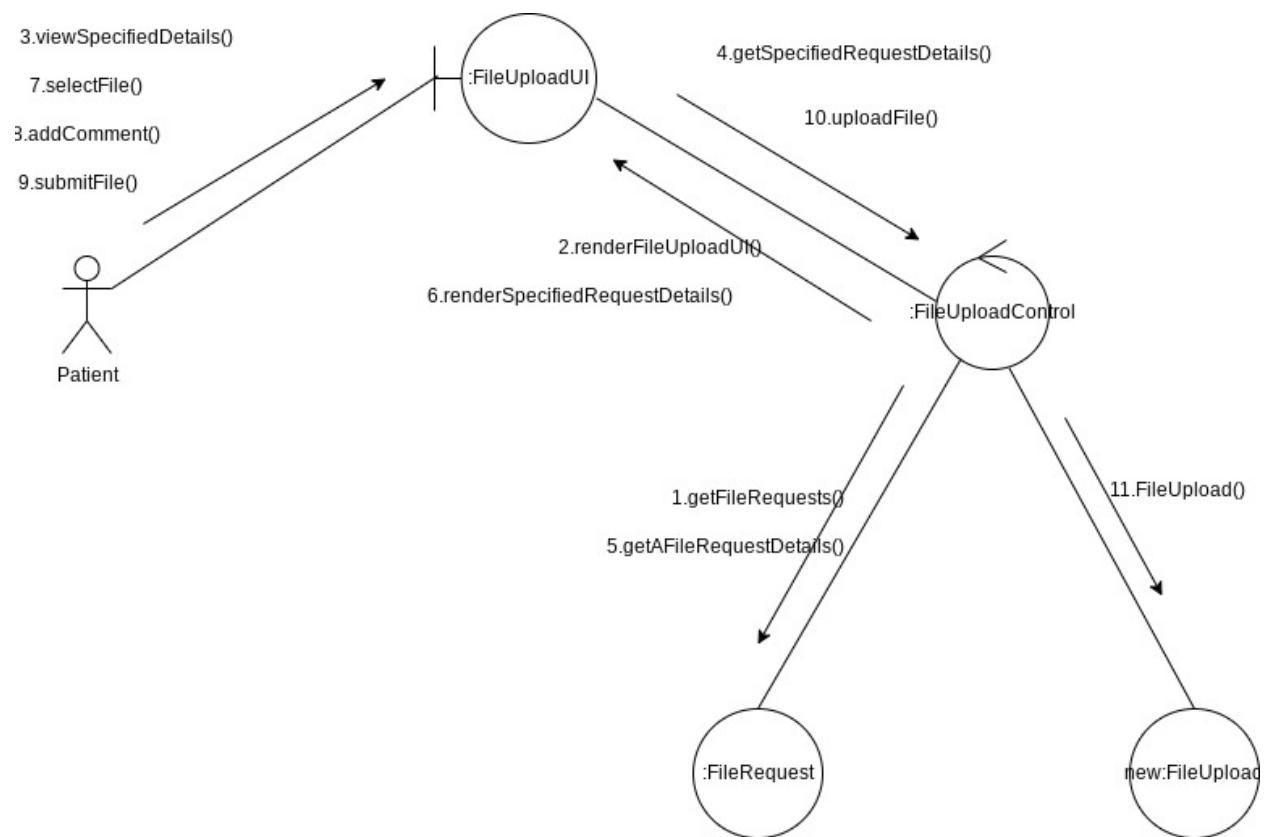


Figure 8.4: Collaboration: Upload Files

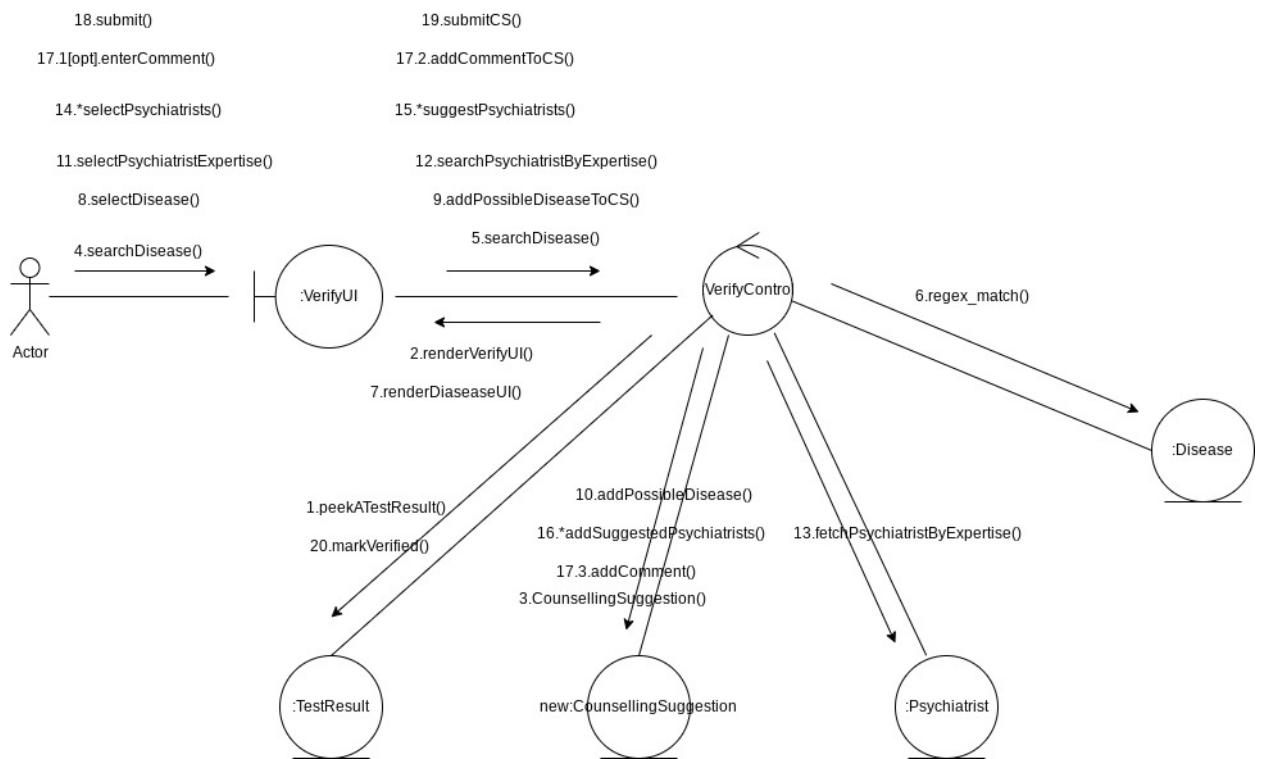


Figure 8.5: Collaboration: Verify System Generated Reports and Suggest Psychiatrists

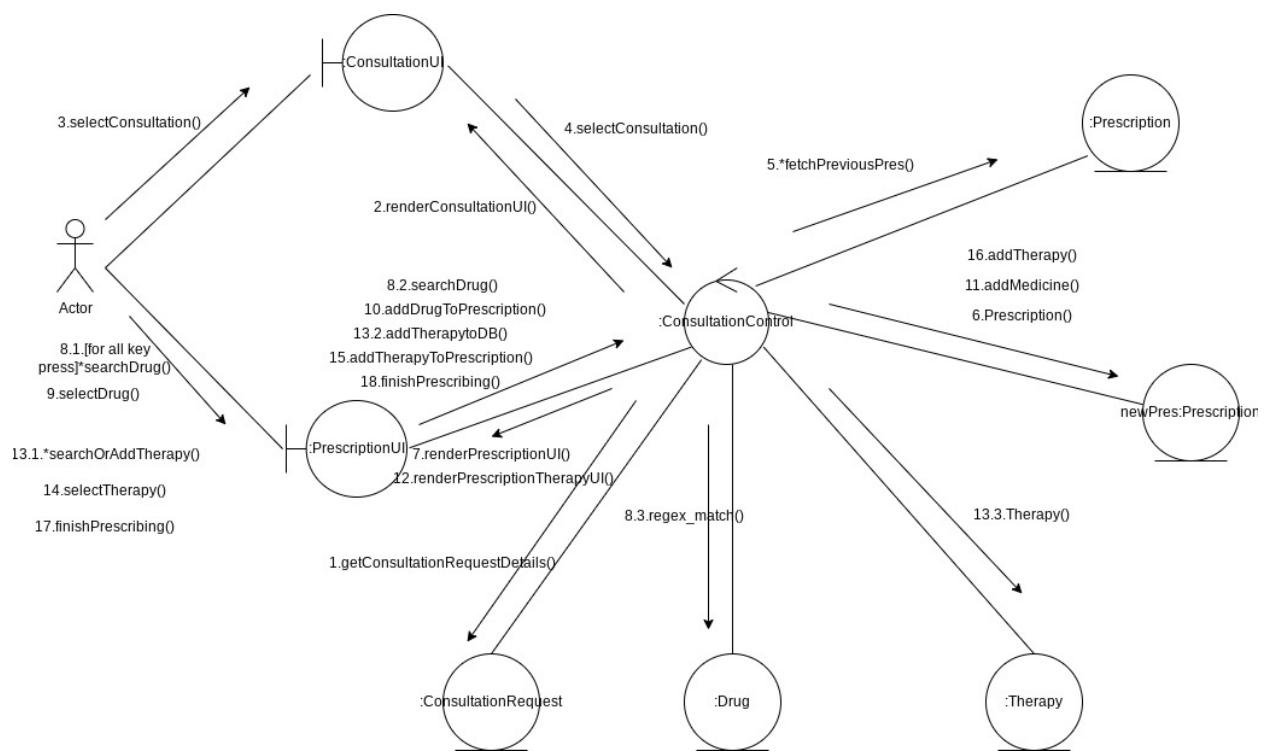


Figure 8.6: Collaboration: Accept Consultation Requests

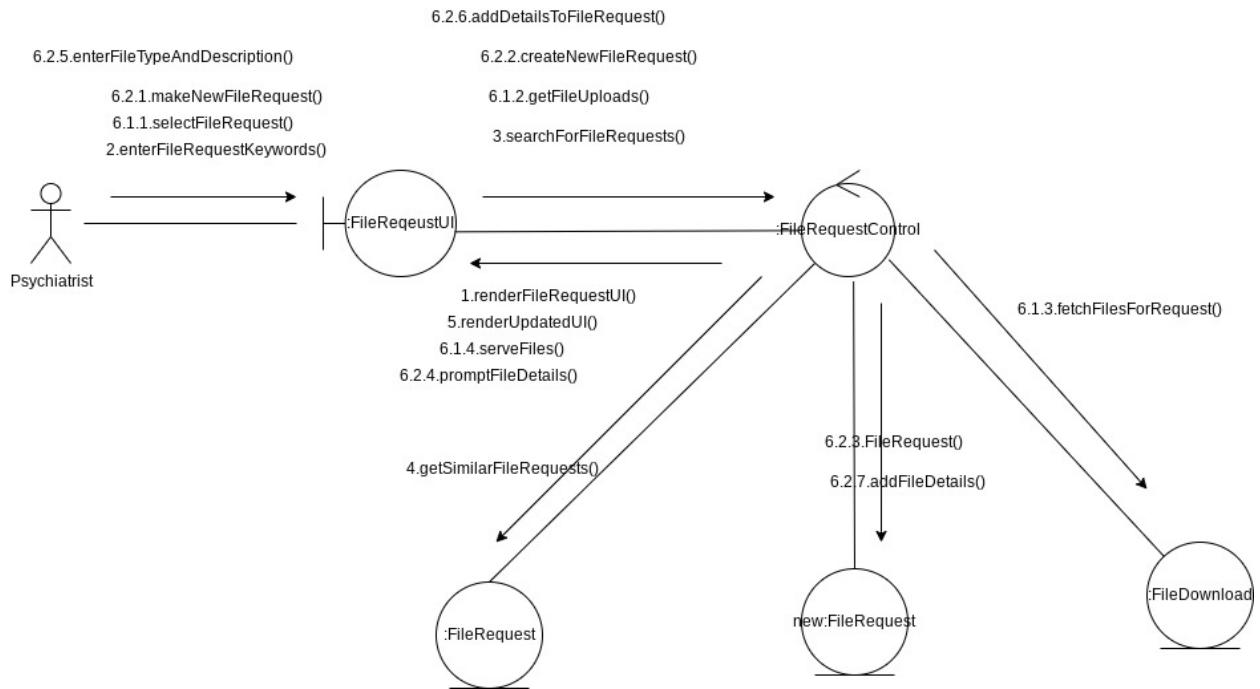


Figure 8.7: Collaboration: Request or Download Files

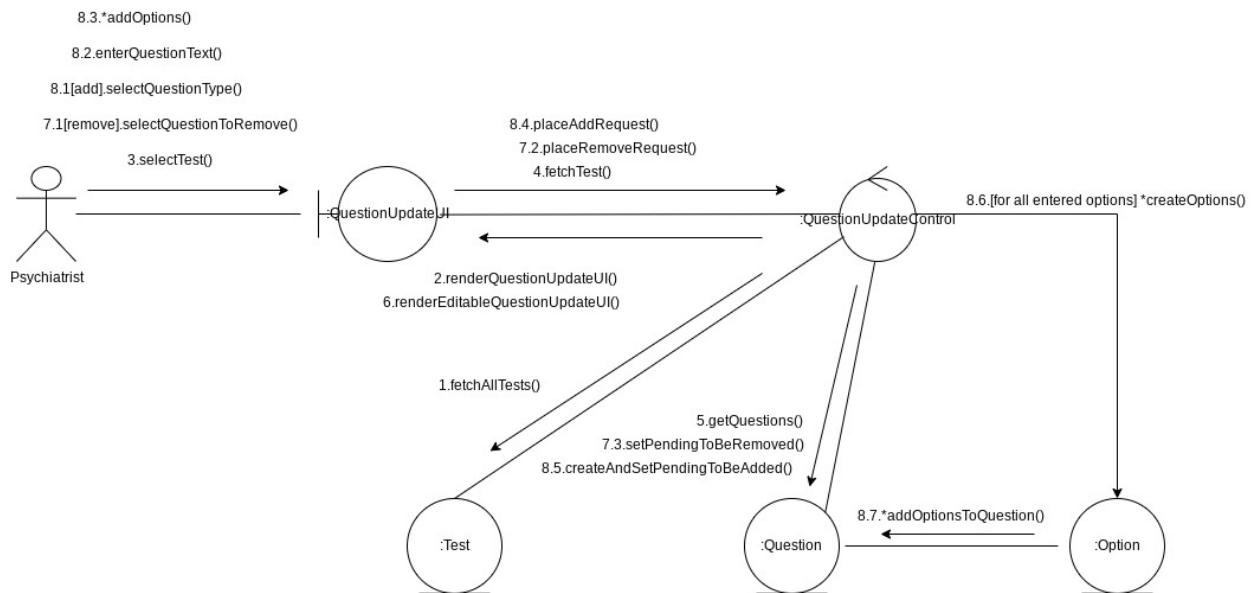


Figure 8.8: Collaboration: Update Questionnaire Request

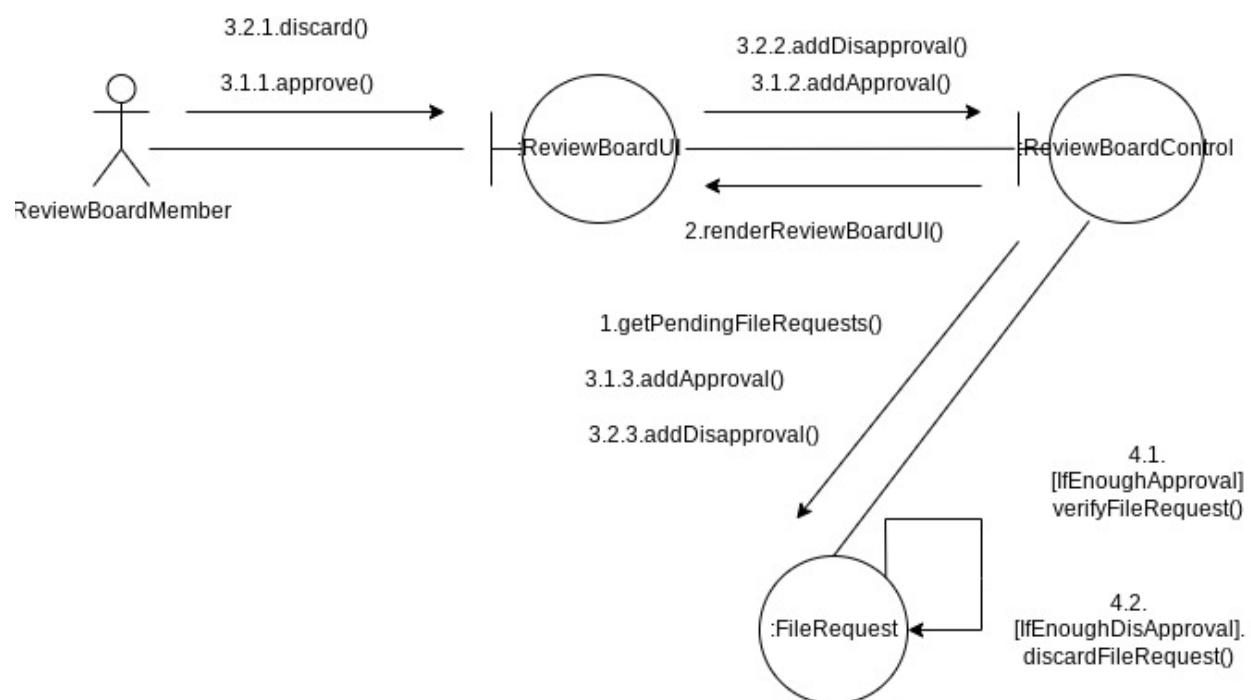


Figure 8.9: Collaboration: Resolve File Request

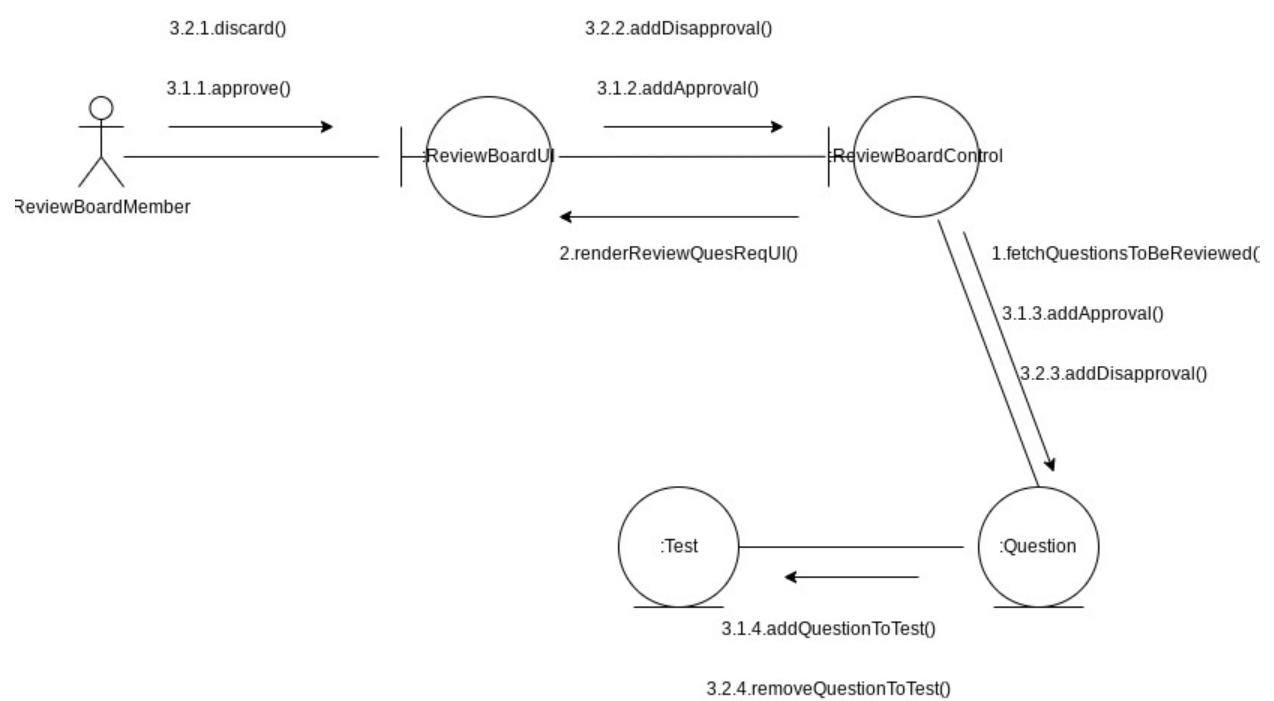


Figure 8.10: Collaboration: Resolve Questionnaire Request

Chapter 9

UML State Diagrams

Here we attach the UML State Diagrams. No modifications were suggested when they were presented in class.

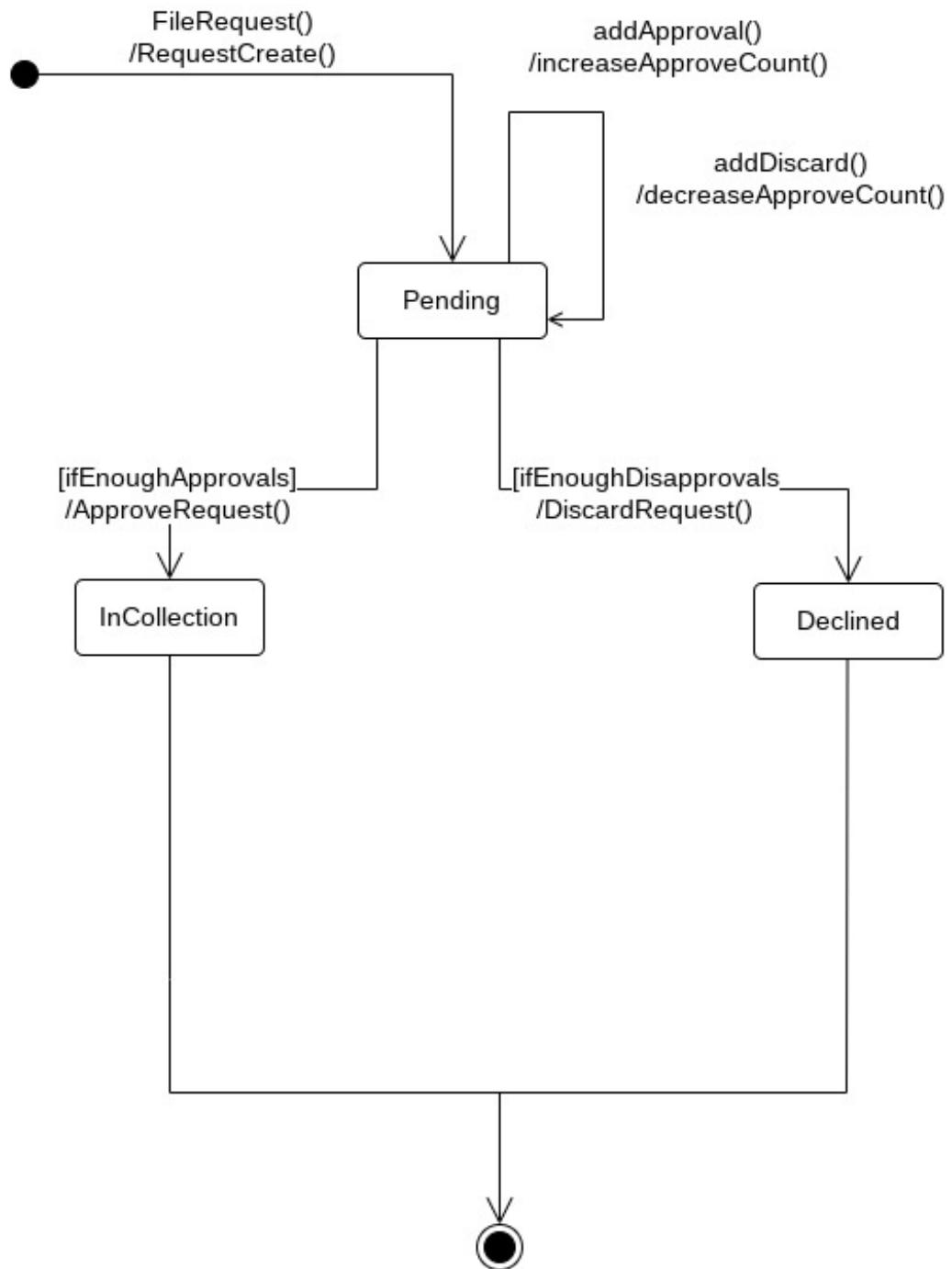


Figure 9.1: State Diagram for File Requests

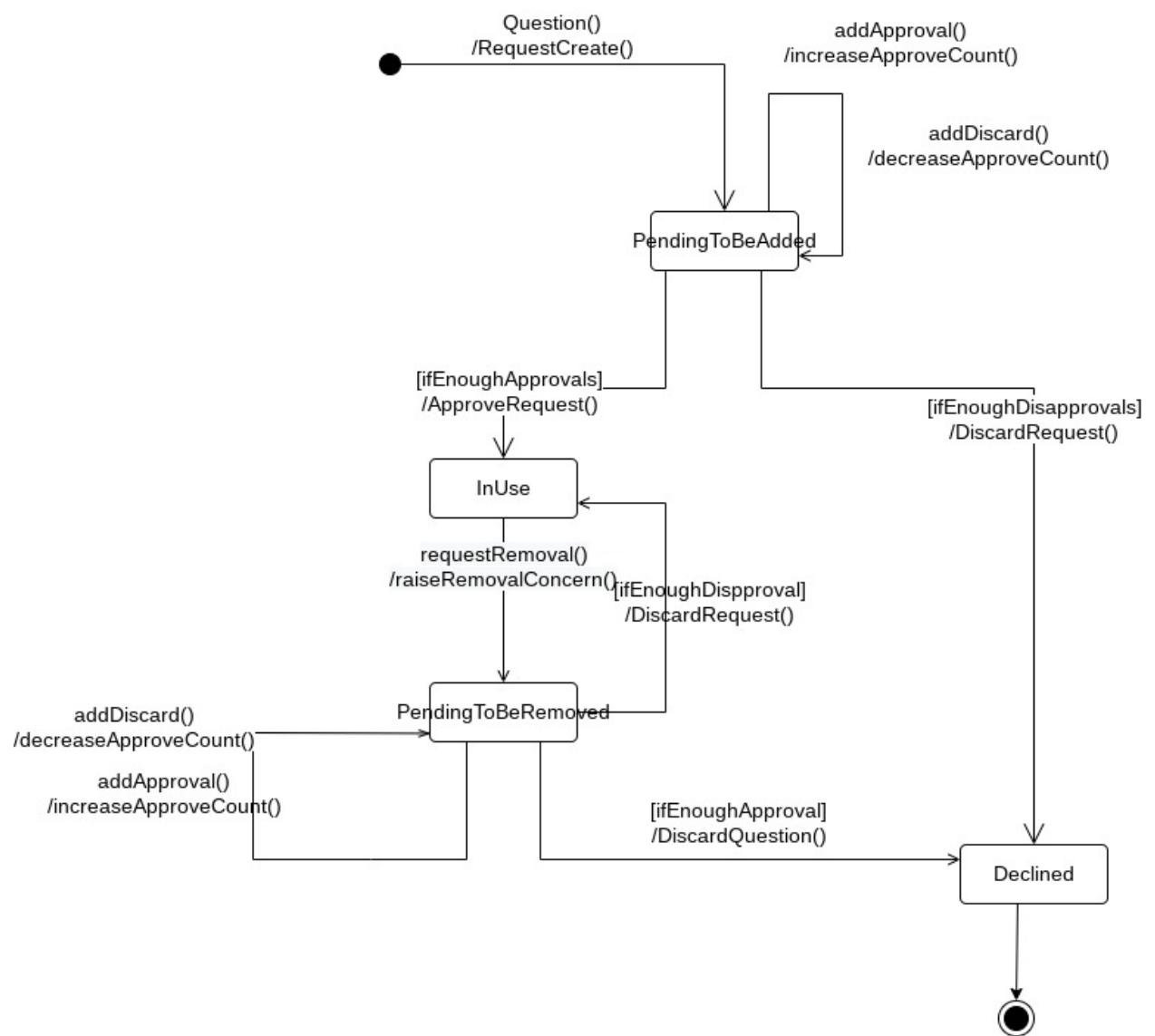


Figure 9.2: State Diagram for Questions

Chapter 10

Snippets of Implementation

We implemented three use cases of our project as partial Implementation.

1. Patients can take questionairres.
2. Psychiatrists can see responses from patients, and may diagnose the diseases and suggets psychiatrists.
3. Patients can view verified reports and counselling suggestions.

In the Implementation, we used Bootstrap as our frontend and Django and our backend.

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Trends and Statistics About Us

Q LOGIN TAKE A MENTAL HEALTH TEST

Sometimes things happen to people that are unusually or especially frightening, horrible, or traumatic. For example:

- a serious accident or fire
- a natural calamity
- a physical or sexual assault or abuse
- a war
- seeing someone be killed or seriously injured
- having a loved one die through homicide or suicide

Have you experienced this kind of events before?

If YES, [take a tour to our mental health tests.](#)

Source:

PC-PTSSD is in Public-Domain and is available at
<https://www.ptsd.va.gov/professional/assessment/screens/pc-ptsd.asp>

DSM-5 Manual by The American Psychiatrist Association is available at
<https://www.psychiatry.org/psychiatrists/practice/dsm>

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How are you?
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Trends and Statistics About Us Q LOGIN TAKE A MENTAL HEALTH TEST

Sometimes things happen that are really hard to cope with:

- a serious accident or fire
- a natural calamity
- a physical or sexual assault
- a war
- seeing someone be killed
- having a loved one die

Have you experienced this kind of thing?

If YES, [take a tour to our mental health screening tool](#)

LOGIN

Username Enter Username

Password Enter Password

No account? Create one

Source:
PC-PTSSD is in Public-Domain and is available at
<https://www.ptsd.va.gov/professional/assessment/screens/pc-ptsd.asp>
DSM-5 Manual by The American Psychiatrist Association is available at
<https://www.psychiatry.org/psychiatrists/practice/dsm>

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Sometimes things happen t

- a serious accident or f
- a natural calamity
- a physical or sexual as
- a war
- seeing someone be K
- having a loved one die

Have you experienced this k

If YES, [take a tour to our me](#)

example:

Username

Password

Login

No account? Create one

Source:

PC-PTSSD is in Public-Domain and is available at
<https://www.ptsd.va.gov/professional/assessment/screens/pc-ptsd.asp>

DSM-5 Manual by The American Psychiatrist Association is available at
<https://www.psychiatry.org/psychiatrists/practice/dsm>

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GENERAL QUESTIONNAIRE

Self-Rated Level 1 Cross-Cutting Symptom Measure

Take a quick tour to the DSM Questionnaire to discover your current mental health condition.

SPECIALIZED TESTS

Autism Tests

Are you experiencing the most common symptoms of autism? Find out using our Autism tests.

Depression Tests

Are you depressed for any recent happenings around you? Take some moment to go through our Depression tests.

OCD Tests

Suffering from obsessive thoughts or compulsive behavior? Take a tour to our OCD tests.

Orthorexia Tests

Having eating disorders in a healthy way? Find out using our Orthorexia tests.

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DSM-5 Level 1 Cross-Cutting Symptom Measure

Test Questions Your Results

During the past TWO (2) WEEKS, how much (or how often) have you been bothered by the following problems?

Little interest or pleasure in doing things?

- Not at all
- Rare, less than a day or two
- Several days
- More than half the days
- Nearly every day

Feeling more irritated, grouchy, or angry than usual?

- Not at all
- Rare, less than a day or two
- Several days
- More than half the days
- Nearly every day

Sleeping less than usual, but still have a lot of energy?

- Not at all

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DSM Questionnaire x +

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Feeling detached or distant from yourself, your body, your physical surroundings, or your memories?

Not at all
 Rare, less than a day or two
 Several days
 More than half the days
 Nearly every day

Not knowing who you really are or what you want out of life?

Not at all
 Rare, less than a day or two
 Several days
 More than half the days
 Nearly every day

Drinking at least 4 drinks of any kind of alcohol in a single day?

Not at all
 Rare, less than a day or two
 Several days
 More than half the days
 Nearly every day

SUBMIT

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DSM Questionnaire  

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How are you? A Mental Health Screening Tool 

Home Trends and Statistics File Requests  Mahdi Hasnat Siyam 

Notifications 

DSM Questionnaire

Test Questions Your Results

Thank You!

Your initial score and responses are forwarded to the psychiatrists team.
You would be suggested any help or specialists if needed.
Please keep an eye on your Notifications tab for any new updates.



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GENERAL QUESTIONNAI

Log Out

Self-Rated Level 1 Cross-Cutting Symptom Measure

Take a quick tour to the DSM Questionnaire to discover your current mental health condition.

SPECIALIZED TESTS

Autism Tests
Are you experiencing the most common symptoms of autism? Find out using our Autism tests.

Depression Tests
Are you depressed for any recent happenings around you? Take some moment to go through our Depression tests.

OCD Tests
Suffering from obsessive thoughts or compulsive behavior? Take a tour to our OCD tests.

Orthorexia Tests
Having eating disorders in a healthy way? Find out using our Orthorexia tests.

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Patient Scores And Responses

Update Questionnaire

Request Files From Patients

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How Are You ?

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Patient Scores And Responses

Test Name	Patient Name	System Score	Response
DSM-5 Level 1 Cross-Cutting Symptom Measure	Mahdi Hasnat Siyam	Not available	Show Response

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System Report For Mahdi Hasnat Siyam

Test Questions

1. Little interest or pleasure in doing things?

Not at all
 Rare, less than a day or two
 Several days
 More than half the days
 Nearly every day

2. Feeling more irritated, grouchy, or angry than usual?

Not at all
 Rare, less than a day or two
 Several days
 More than half the days
 Nearly every day

3. Sleeping less than usual, but still have a lot of energy?

Not at all

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How Are You ? x +

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13. Drinking at least 4 drinks of any kind of alcohol in a single day?

Not at all
 Rare, less than a day or two
 Several days
 More than half the days
 Nearly every day

Demographic Information

1. Age
27 years

2. Gender
 Male
 Female

System Score

Not available

Suggest Disorder(s) For Mahdi Hasnat Siyam

OCD
 Orthorexia

You Are You ? x + You are screen sharing Stop Share ▼ — □ X

127.0.0.1:8000/test_result/1

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Suggest Disorder(s) For Mahdi Hasnat Siyam

- OCD
- Orthorexia
- Depression
- PTSD

Suggest Psychiatrist(s) For Mahdi Hasnat Siyam

- Dr. Hasanul Banna
- Prof. Dr. M. A. Mohit Kamal
- Dr. Mekhala Sarkar
- Prof. Dr. Jhunu Shamsun Nahar
- Dr. Habibur Rahman

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Verified Reports

127.0.0.1:8000/verified_reports

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Mahdi Hasnat Siyam

Notifications

VERIFIED REPORTS

Prof. Dr. M. A. Mohit Kamal reviewed your report
On Feb. 23, 2022, 10:29 p.m.

Initial query result:
Depression

Suggested Psychiatrists +

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Mahdi Hasnat Siyam Notifications

System Report For Mahdi Hasnat Siyam

Test Questions

1. Little interest or pleasure in doing things?

Not at all
 Rare, less than a day or two
 Several days
 More than half the days
 Nearly every day

2. Feeling more irritated, grouchy, or angry than usual?

Not at all
 Rare, less than a day or two
 Several days
 More than half the days
 Nearly every day

3. Sleeping less than usual, but still have a lot of energy?

Not at all

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DSM Questionnaire 127.0.0.1:8000/take_questionnaire/2

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I felt depressed.

Never
 Rarely
 Sometimes
 Often
 Always

I felt unhappy.

Never
 Rarely
 Sometimes
 Often
 Always

I felt hopeless.

Never
 Rarely
 Sometimes
 Often
 Always

SUBMIT

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DSM Questionnaire

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DSM Questionnaire

Test Questions Your Results

Thank You!

Your initial score and responses are forwarded to the psychiatrists team.
You would be suggested any help or specialists if needed.
Please keep an eye on your Notifications tab for any new updates.

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How Are You ?

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Patient Scores And Responses

Test Name	Patient Name	System Score	Response
LEVEL 2—Depression—Adult	Mahdi Hasnat Siyam	Mild	Show Response

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How Are You ?

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System Report For Mahdi Hasnat Siyam

Test Questions

1. I felt worthless.

None
 Rarely
 Sometimes
 Often
 Always

2. I felt that I had nothing to look forward to.

Never
 Rarely
 Sometimes
 Often
 Always

3. I felt helpless.

Never

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How Are You ? + 1

127.0.0.1:8000/test_result/2

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Sometimes
Often
Always

Demographic Information

1. Age
27 years

2. Gender
 Male
 Female

System Score
Mild

Suggest Disorder(s) For Mahdi Hasnat Siyam

OCD
Orthorexia
Depression
PTSD

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How Are You? 127.0.0.1:8000/test_result/2

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System Score

Mild

Suggest Disorder(s) For Mahdi Hasnat Siyam

OCD
 Orthorexia
 Depression
 PTSD

Suggest Psychiatrist(s) For Mahdi Hasnat Siyam

Dr. Hasanul Banna
 Prof. Dr. M. A. Mohit Kamal
 Dr. Mekhala Sarkar
 Prof. Dr. Jhunu Shamsun Nahar
 Dr. Habibur Rahman

Chapter 11

Conclusion and Acknowledgements

Throughout the semester, several diagrams were produced and verified by our instructors. We express our gratefulness to them.

In future, we want to carry on the existing work and build something meaningful to the end users, preferably in Bangla.