

# SENG 401 - Group 26

## UFlourish

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# 1. Objective/Motivation

- The University of Calgary's Wellness Center (WC), a primary healthcare resource for many university affiliates, presents a highly unique combination of administrative use cases for which a growing combination of technologies has been gradually implemented.
- Current technological setup remains beset by a variety of inefficiencies and impracticalities, to the detriment of both administrative workflow and client satisfaction.
- In light of these concerns, we propose the development of **uFlourish**, a centralized software platform capable of effectively managing the WC's client interaction needs.
- We hope for this platform to inspire the development of similar computational solutions to enhance student experience for years to come.

## 2. Requirements (Use Cases)



UC-1

### **Managing account information**

Enabling patients to manage their account information, including payment card and insurance information.

UC-2

### **Refilling prescriptions**

Enabling patients to request refills for existing prescriptions, without scheduling a full appointment.

UC-3

### **Requesting mental health support**

Enabling patients to request counselling and/or short-term psychotherapy.

UC-4

### **Making payments**

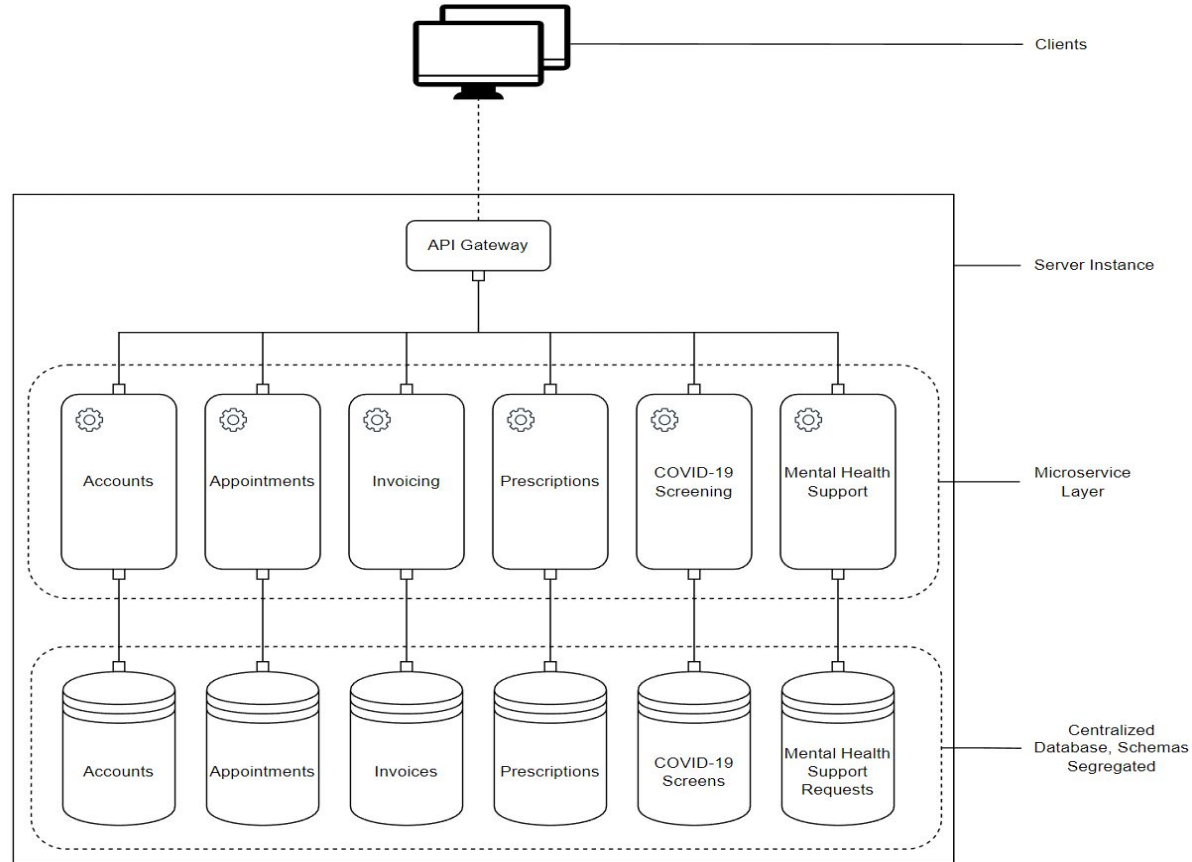
Enabling patients to view outstanding charges in their accounts.

UC-5

### **COVID-19 screening**

Enabling patients to submit COVID-19 screening forms directly from their account.

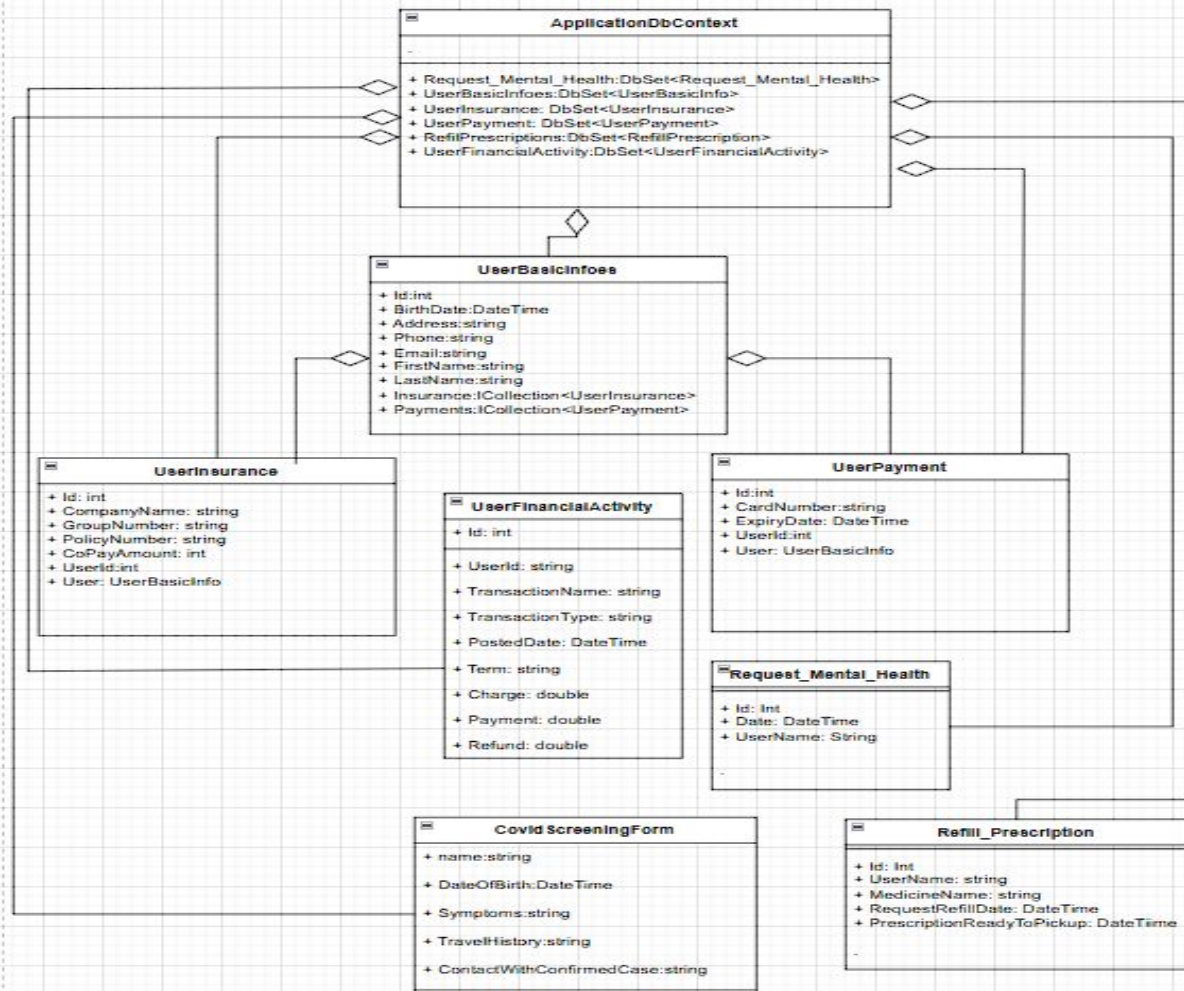
### 3. Architecture(microservice-like MVC)



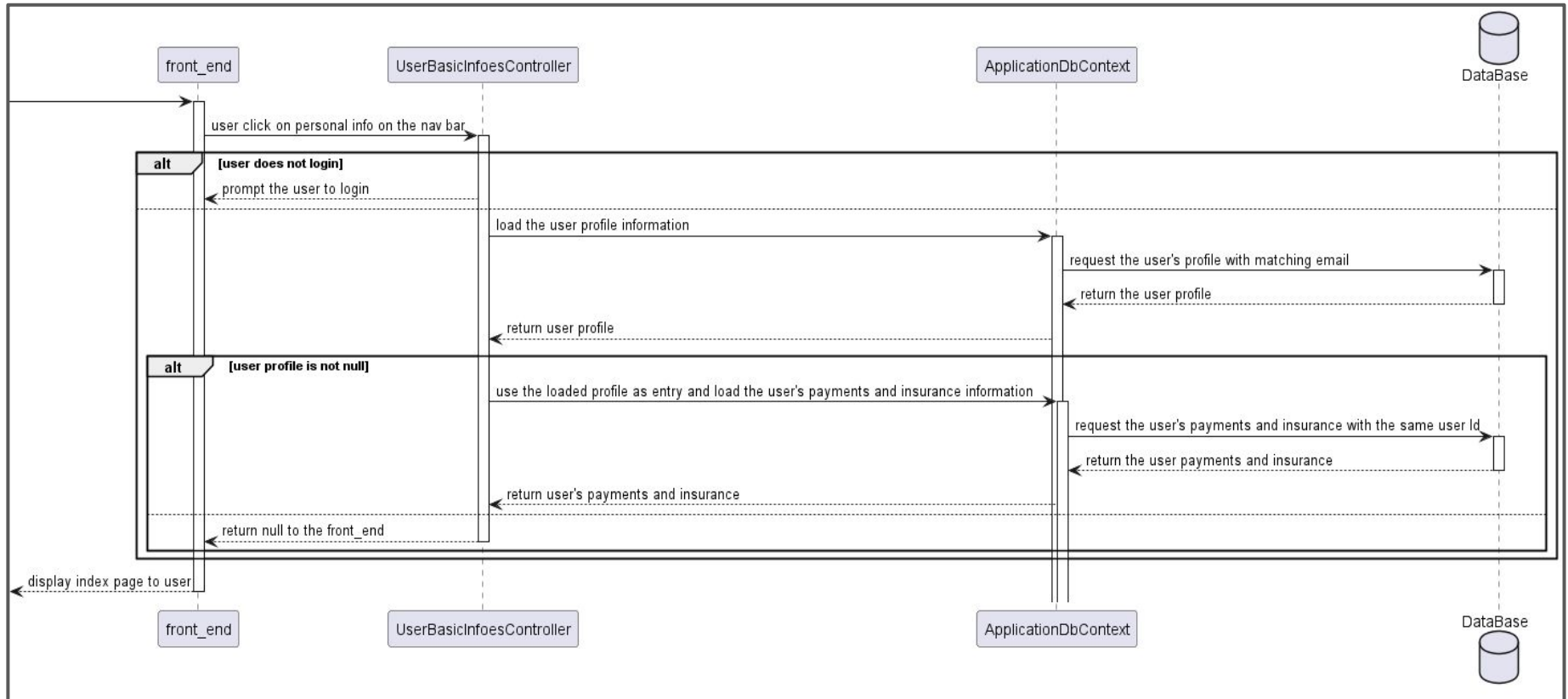
## 4. Design Artifacts

- *Class Diagram (Slide 7)*
- *Sequence Diagram : Personal Information (Slide 8), Requesting Mental Health Support (Slide 9), User Financials (Slide 10), Refill Prescription (Slide 11), Covid Form (Slide 12)*

# Class Diagram

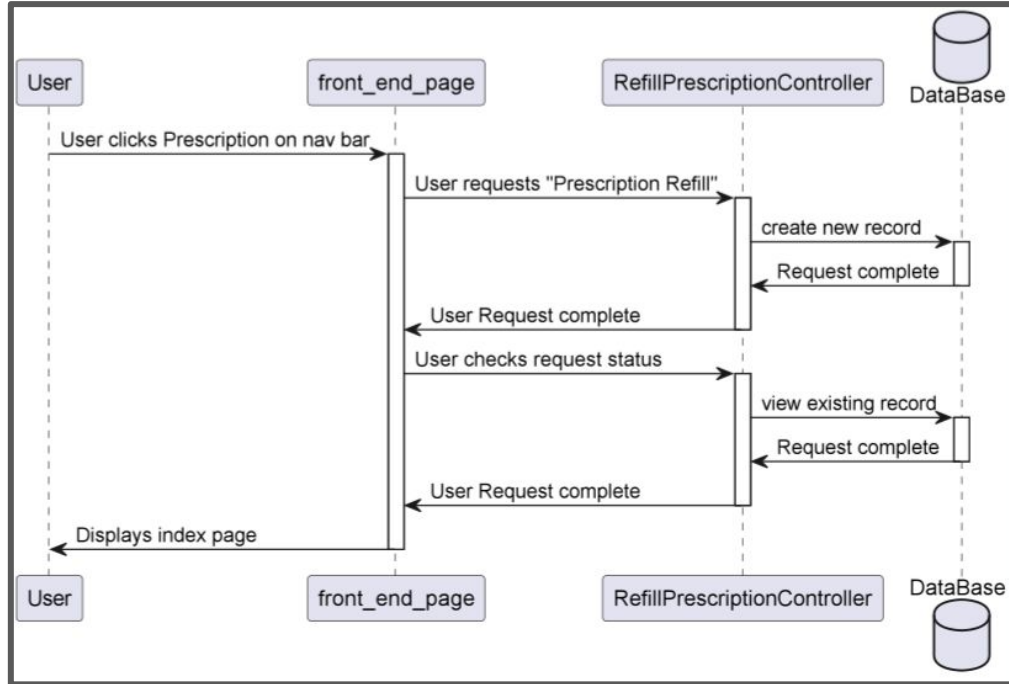


# Sequence diagram: Personal information

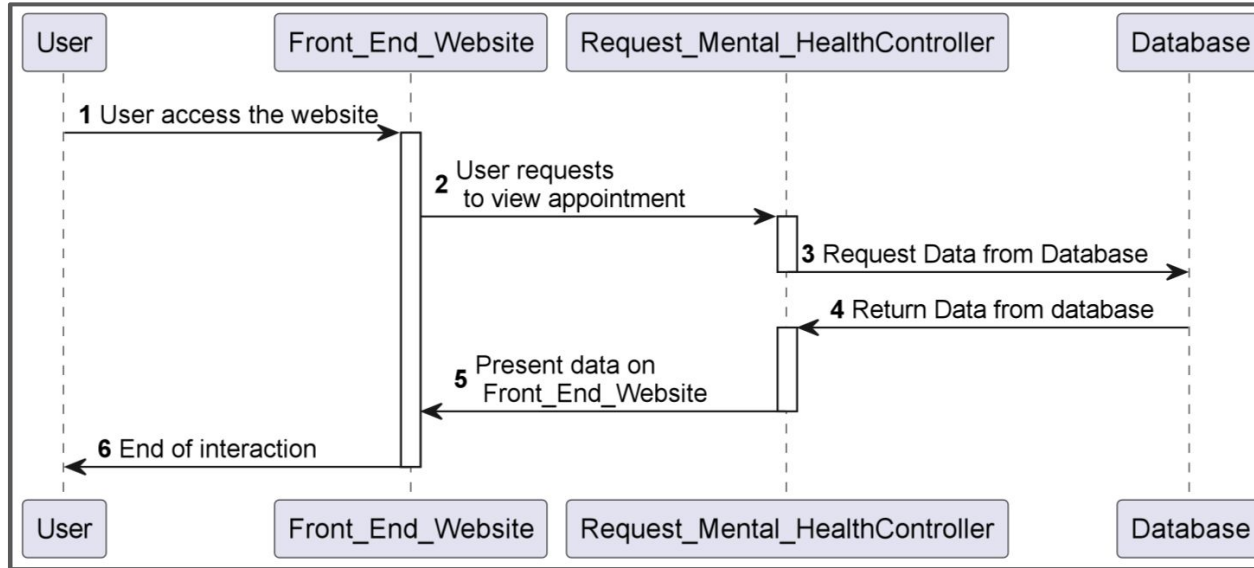




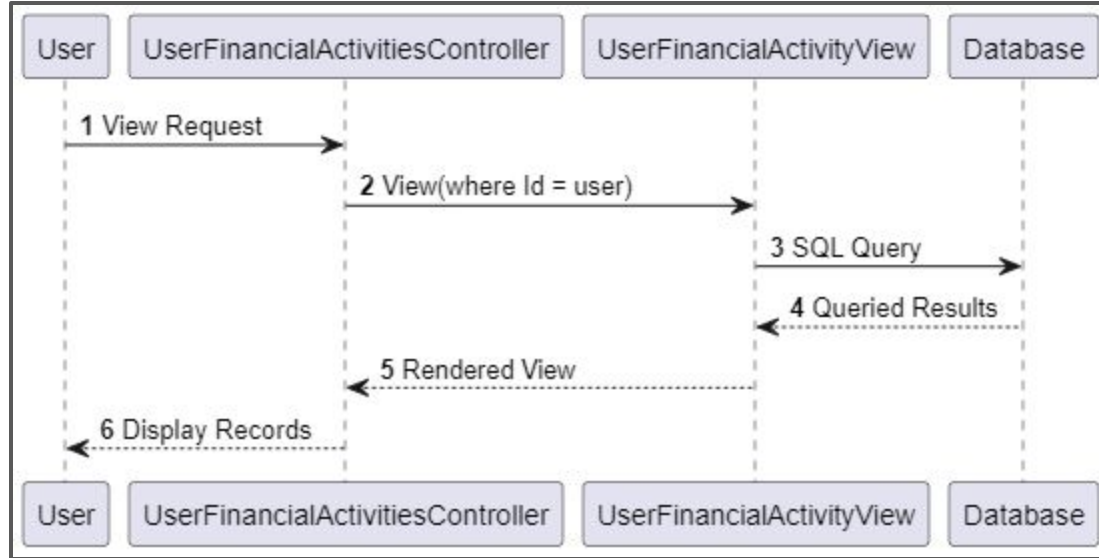
# Sequence Diagram: Refill Prescription



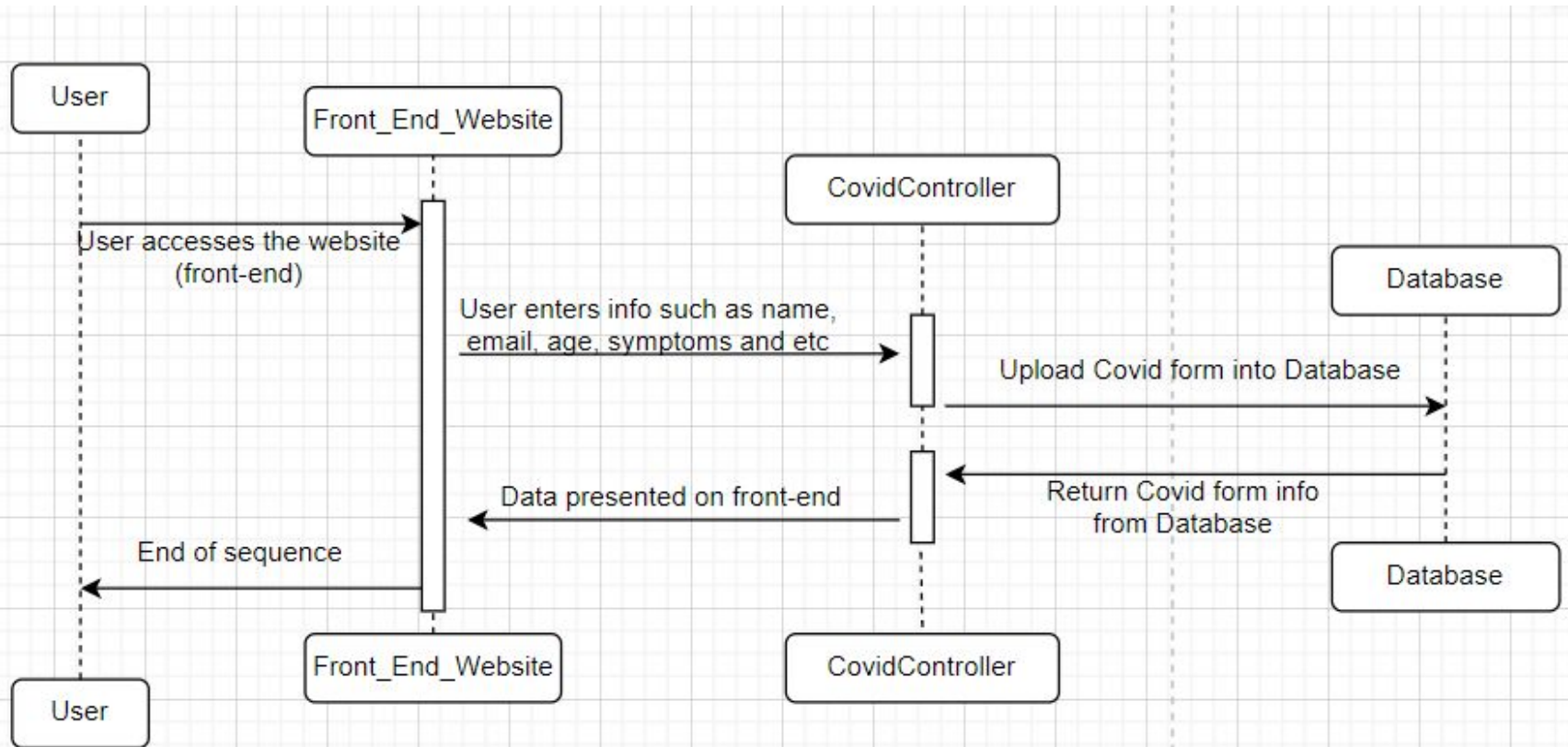
# Sequence Diagram: Requesting Mental Health Support



# Sequence Diagram: User Financials



# Sequence Diagram: Covid Form



# 5. Test Cases using Selenium

Tests ▾

Search tests...

✓ RequestMentalHealth\_Create\*

✓ RequestMentalHealth\_Delete\*

✓ RequestMentalHealth\_Edit\*

✓ RequestMentalHealth\_Index\*

Selenium IDE - SENG Project

Project: SENG Project

Tests ▾

Search tests...

https://localhost:44307

	Command	Target	Value
1	✓ click	css=body	
2	✓ click	linkText=Request Mental Health	
3	✓ click	id=Input_Email	senghealth@gmail.com
4	✓ type	id=Input_Password	K7hBf8D+@Jn_j
5	✓ type	id=Input_Email	
6	✓ click	id=login-submit	
7	✓ click	linkText=Create a new appointment	
8	✓ click	id=Date	
9	✓ click	id=Date	
10	✓ click	id=Date	2023-04-01T21:57
11	✓ type	css=body	
12	✓ click	css=.btn-primary	
13	✓ click		
14	✓ click		

Command

open

Target

/

Value

Description

Log

Reference

4. click on linkText=Request Mental Health OK

5. type on id=Input\_Email with value senghealth@gmail.com OK

6. type on id=Input\_Password with value K7hBf8D+@Jn\_j OK

7. click on id=Input\_Email OK

8. click on id=login-submit OK

9. click on id=myId OK

RequestMentalHealth\_Index' completed successfully

17:42:05

17:42:06

17:42:07

17:42:08

17:42:09

17:42:10

17:42:11

# My Financials

Tests ▾				+	▶▶▶	▶	🔍	🕒	▼
Search tests...				🔍	https://localhost:44307				
✓ AdminMyFinancials					Command	Target	Value		
1	✓	open				/			
2	✓	set window size				1128x712			
3	✓	click				linkText=My Financials			
4	✓	click				linkText=Create New Billing			
5	✓	click				id=UserId			
6	✓	type				id=UserId	testuser123@gmail.com		
7	✓	type				id=TransactionName	Consultation		
8	✓	type				id=TransactionType	Medical		
9	✓	type				id=PostedDate	12/03/2023		
10	✓	type				id=Term	Winter		
11	✓	type				id=Charge	200		
12	✓	click				id=Payment			
13	✓	type				id=Payment	1000		
14	✓	click				id=Refund			
15	✓	type				id=Refund	0		
16	✓	click				css=.btn-primary			

*Thank You :)*