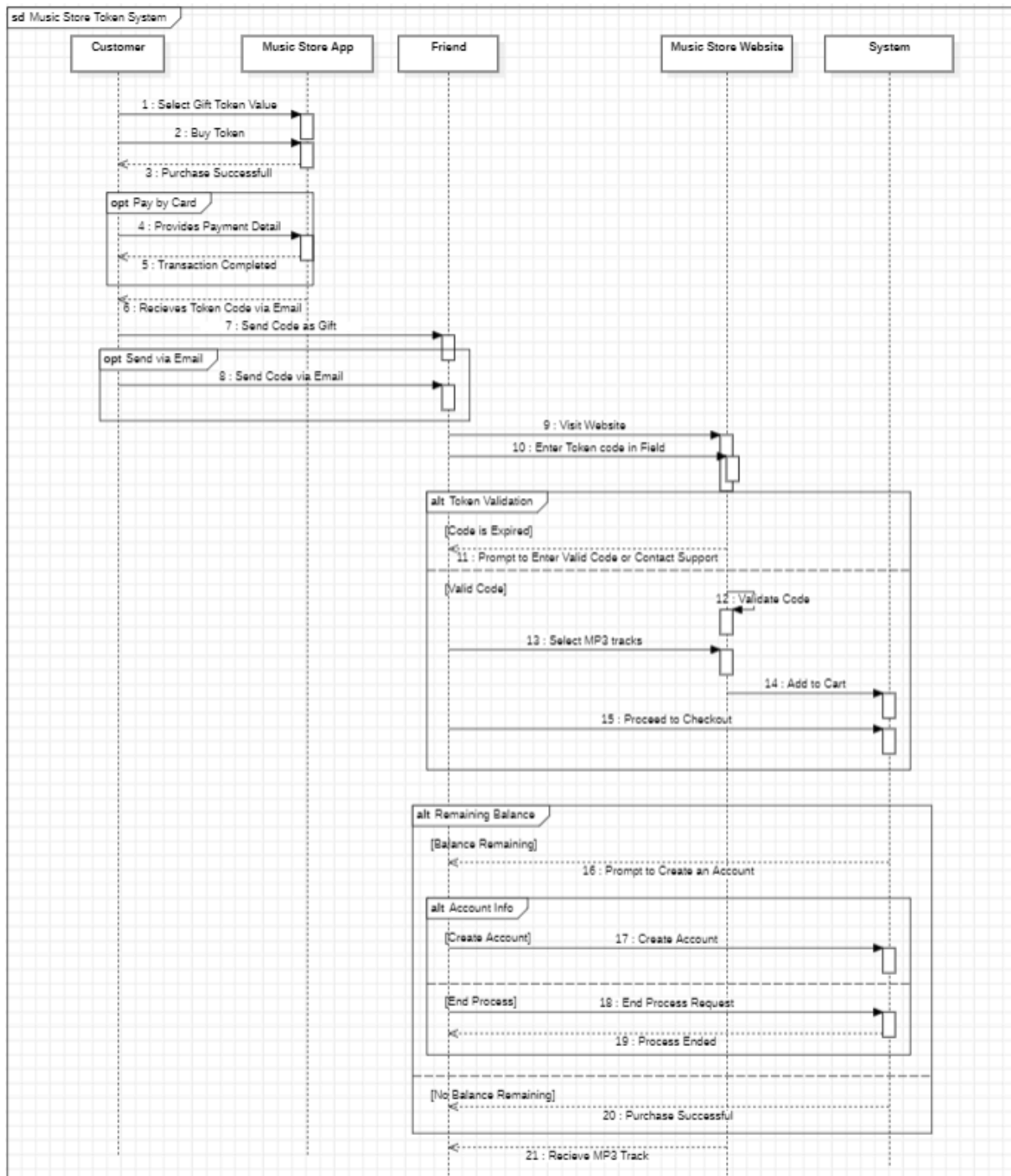**The National University of Computer and Emerging Sciences**
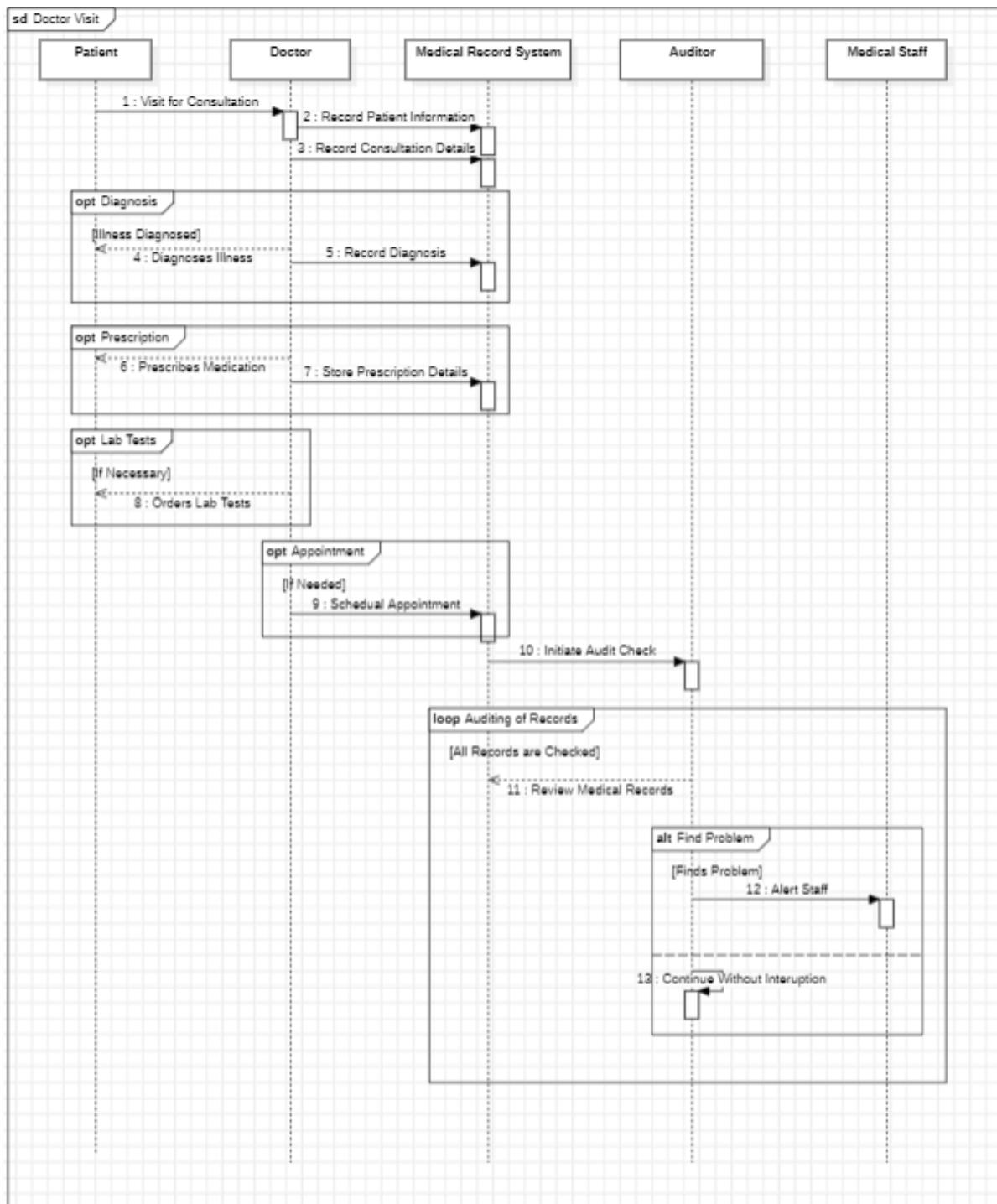
Lab 03:

Software Design and Architecture

Sr no.	Name:	Roll no:	Section:
1.	Hasan Yahya	22L-7971	BSE-4D1

Question: 01

sd Music Store Token System

| Customer | Music Store App | Friend | Music Store Website | System |

1 : Select Gift Token Value
2 : Buy Token
3 : Purchase Successfull

opt Pay by Card
4 : Provides Payment Detail
5 : Transaction Completed

6 : Recieves Token Code via Email
7 : Send Code as Gift

opt Send via Email
8 : Send Code via Email

9 : Visit Website
10 : Enter Token code in Field

alt Token Validation
[Code is Expired]
11 : Prompt to Enter Valid Code or Contact Support

[Valid Code]
12 : Validate Code
13 : Select MP3 tracks
14 : Add to Cart
15 : Proceed to Checkout

alt Remaining Balance
[Balance Remaining]
16 : Prompt to Create an Account

alt Account Info
[Create Account]
17 : Create Account

[End Process]
18 : End Process Request
19 : Process Ended

[No Balance Remaining]
20 : Purchase Successful

21 : Recieve MP3 Track

Question: 02

sd Doctor Visit

| Patient | Doctor | Medical Record System | Auditor | Medical Staff |

1 : Visit for Consultation

2 : Record Patient Information

3 : Record Consultation Details

opt Diagnosis

[Illness Diagnosed]

4 : Diagnoses Illness

5 : Record Diagnosis

opt Prescription

6 : Prescribes Medication

7 : Store Prescription Details

opt Lab Tests

[If Necessary]

8 : Orders Lab Tests

opt Appointment

[If Needed]

9 : Schedual Appointment

10 : Initiate Audit Check

loop Auditing of Records

[All Records are Checked]

11 : Review Medical Records

alt Find Problem

[Finds Problem]

12 : Alert Staff

13 : Continue Without Interuption

Question 03: