



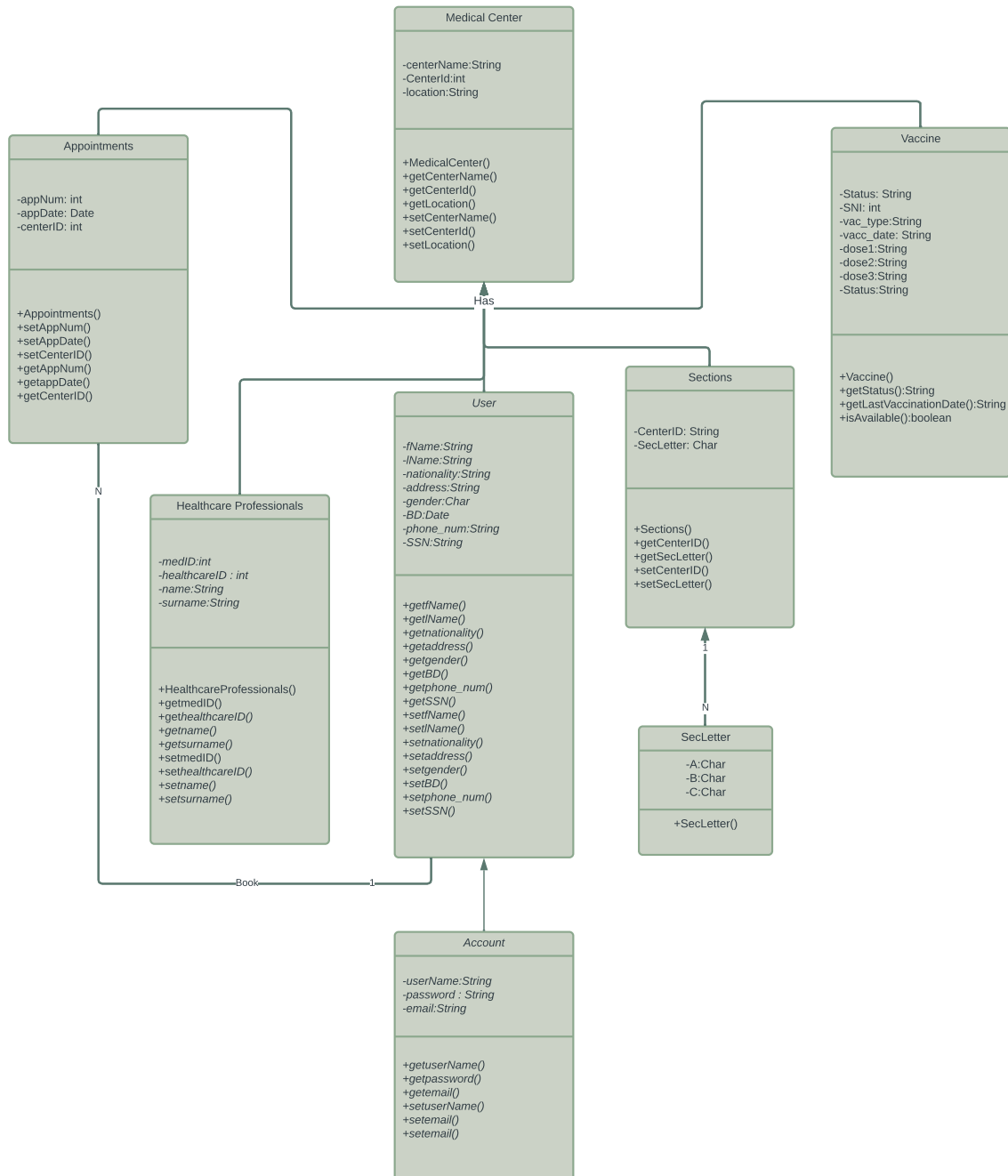
## CS321 Project Milestone (2)



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2200003902	Shahd Abdulaziz Aleissa
2200005071	Sarah ahmad alzahrani
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UML :





Tables:

## User

Attributes	Description	Data Type	Allow Null
<b>Fname</b>	User's first name	VARCHAR(20)	-
<b>Lname</b>	User's last name	VARCHAR(20)	-
<b>address</b>	User's address	VARCHAR(40)	-
<b>Nationality</b>	User's nationality	VARCHAR(10)	-
<b>gender</b>	User's gender, female or male	CHAR(1)	-
<b>BD</b>	User's Birthday	DATE	-
<b>Phone_Num</b>	User's phone number 10 digits	VARCHAR(10)	-
<b>SSN</b>	User's SSN 10 digits	VARCHAR(10)	-



## vaccine

Attributes	Description	Data Type	Allow Null
<b>SNI</b>	Vaccine serial number	INT	-
<b>vac_type</b>	Brand of the vaccine given	VARCHAR(50)	-
<b>vac_date</b>	Date of vaccination	DATE	-
<b>dose1</b>	First dosage user has taken	VARCHAR(50)	-
<b>dose2</b>	Second dosage the user has taken	VARCHAR(50)	-
<b>dose3</b>	Third dosage the user has taken	VARCHAR(50)	-



## Healthcare professional

Attributes	Description	Data Type	Allow Null
<b>Med_id(PK)</b>	The medical id of the healthcare professional	INT	-
<b>CenterID(FK)</b>	The center's id from Center Medical center table		
<b>id</b>	The id of the healthcare professional as an SSN	INT	-
<b>name</b>	healthcare professional's name	VARCHAR(20)	-
<b>surname</b>	healthcare professional's surname	VARCHAR(20)	-



## Account

Attributes	Description	Data Type	Allow Null
userName	User's Social security number	VARCHAR(10)	-
Email(PK)	User's Account email	VARCHAR(40)	-
password	User's Account password	VARCHAR(40)	-

## Appointments

Attributes	Description	Data Type	Allow Null
App_num (PK)	Appointment number	VARCHAR(6)	-
Date (PK)	Date of appointment	DATE	-
User_SSN (FK)	User's Social security number	VARCHAR(10)	-
Center_ID	The center's id from Medical Center table	VARCHAR(12)	-



## Medical Center

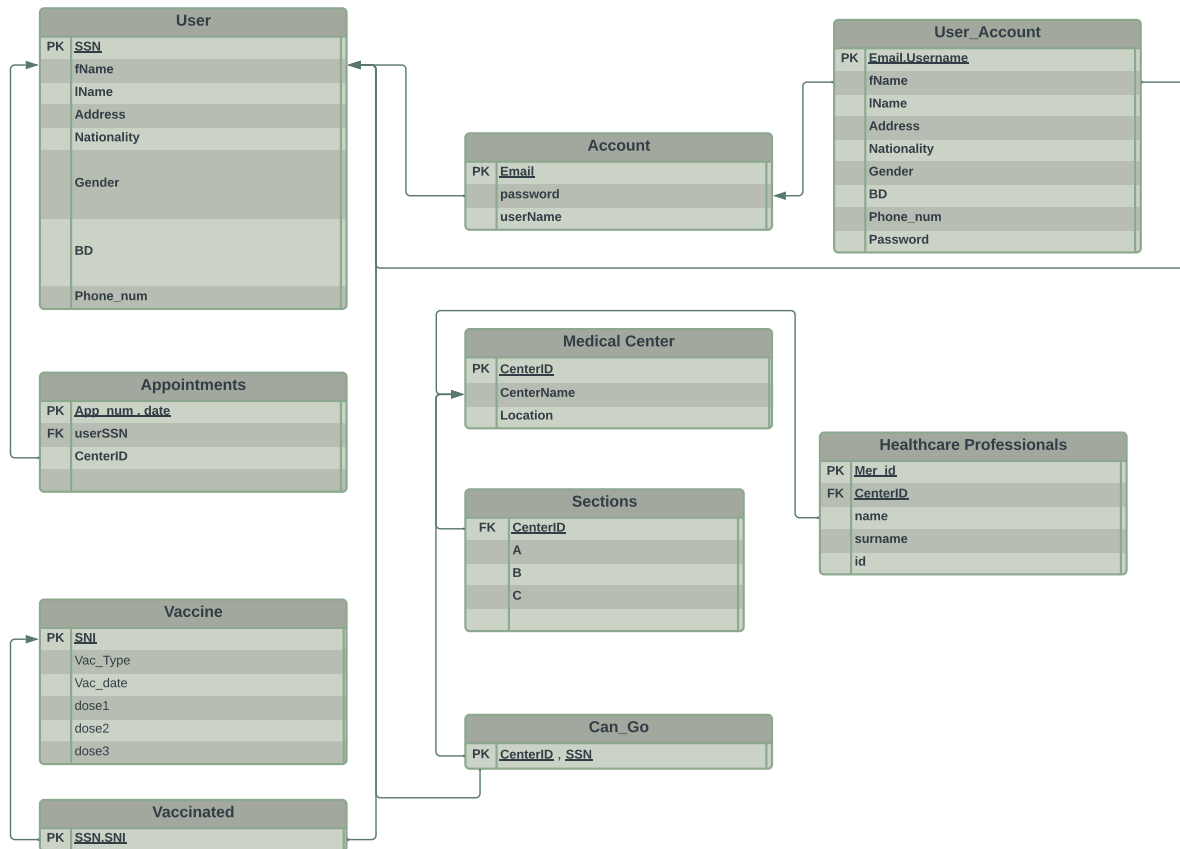
Attributes	Description	Data Type	Allow Null
CenterName	Medical center's name	VARCHAR(10)	-
CenterID(PK)	Medical center's ID	INT	-
Location	Location of the medical center	VARCHAR(20)	-

## Sections

Attributes	Description	Data Type	Allow Null
centerID(FK)	Medical Center's id	VARCHAR(12)	-
A	Letter of the first section in the medical center	Char (1)	-
B	Letter of the second section in the medical center	Char(1)	-
C	Letter of the third section of the medical center	Char(1)	-



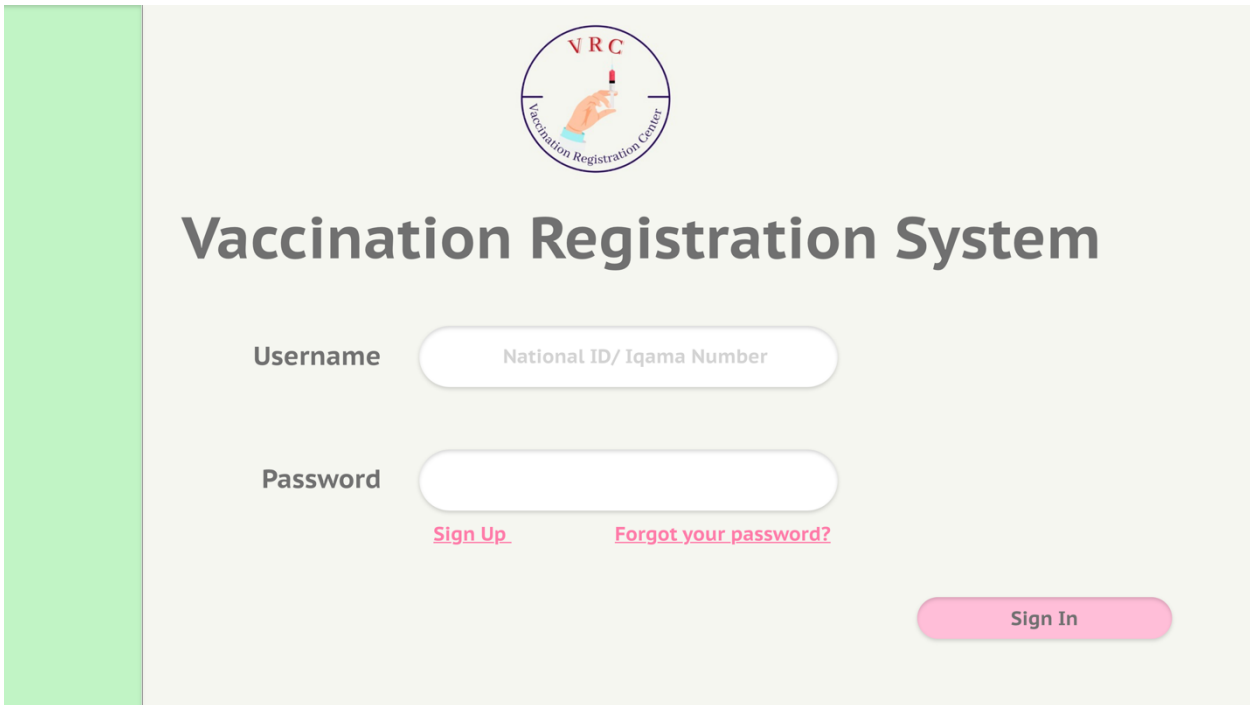
## Schema:







## GUI Design :




The GUI design for the Vaccination Registration System features a light beige background with a green vertical bar on the left. At the top center is the VRC logo, which includes a hand holding a red needle and the text 'VRC' and 'Vaccination Registration Center'. Below the logo, the title 'Vaccination Registration System' is displayed in a large, bold, dark gray font. Underneath the title, there are two input fields: 'Username' with a placeholder 'National ID/ Iqama Number' and 'Password'. Below the password field, there are two links: 'Sign Up.' and 'Forgot your password?'. At the bottom right, there is a pink button labeled 'Sign In'.

At the beginning of the program, the sign-in interface will show to the users. They must enter their username (national id/ iqama number) and the password. If the users don't have an account, they can click on Sign up for new registration. Also, they can update their password in case they forget it.



## Vaccination Registration System



**First Name**

**Last Name**  **Birth Date**

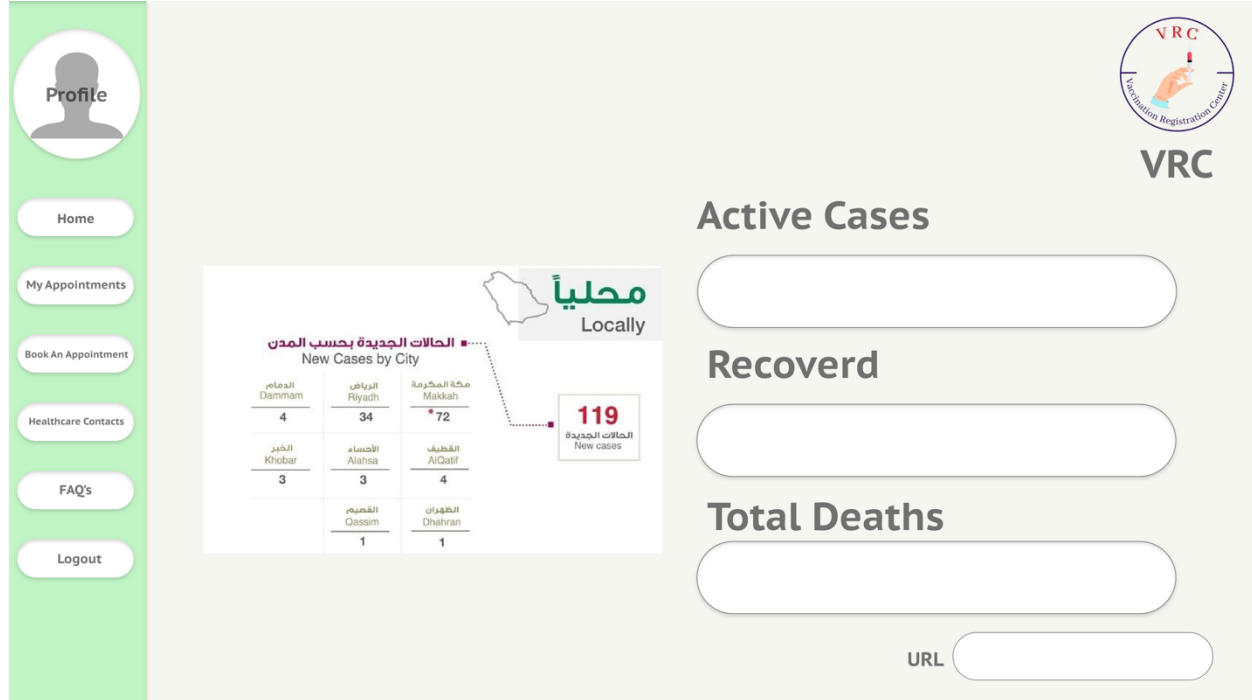
**National ID / Iqama**  This is Going to be your Username **Address**  City, Street Name, Zip Code

**Email**  **Phone Number**

**Gender** ☐ Female ☐ Male

**Nationality**

In the case that a user needs to sign up a frame will pop up asking the user to input his/her information, like their first and last name alongside their national ID or Iqama number which will be used as their username when they need to login the system another time. Moreover, the user needs to enter their Email, Phone Number and address as well as selecting their gender from a button group and lastly a user has to select a nationality from a ComboBox. After the user fills all information, they can click on the signUp button and it'll take them to their profile page. In the case of a user not entering all information an error handling procedure will take effect resulting a JOptionPane Error dialog that requires the user to enter all information



The home page's interface will display the current number of active and recovered cases, as well as the total death counts, one the right bottom corner a URL that connects to the official cases counter will be displayed, the user can navigate into any other page through the left side menu.



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## Symptom Analyser

Age :

Gender :


Any recent contact with Covid19 patients in the last 14 day ?

☐ Yes

☐ No

Submit

Result :

  
VRC

Are you having one or more of the following symptoms ?

☐ Fever

☐ Dry throat

☐ Shortness of breath

☐ Headaches

☐ Running nose

☐ None

Upon clicking the “Book an Appointment” button first thing that will show up is this page. In this page the user will be prompted to write in their age and gender, answer if they have been around a positive case in the last 14 days, and check the boxes corresponding to a symptom that they might be feeling at that moment. If the client answers “yes” to being in contact with a case, and checks one or more symptom, they will be denied a vaccine appointment and will be urged to go and get tested for Covid-19 for their and others’ safety.



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## Book an appointment

### Choose your city

↓

Ad Dammam

### Date

### Time

### Vaccine Dose

☐ Dose 1

☐ Dose 2

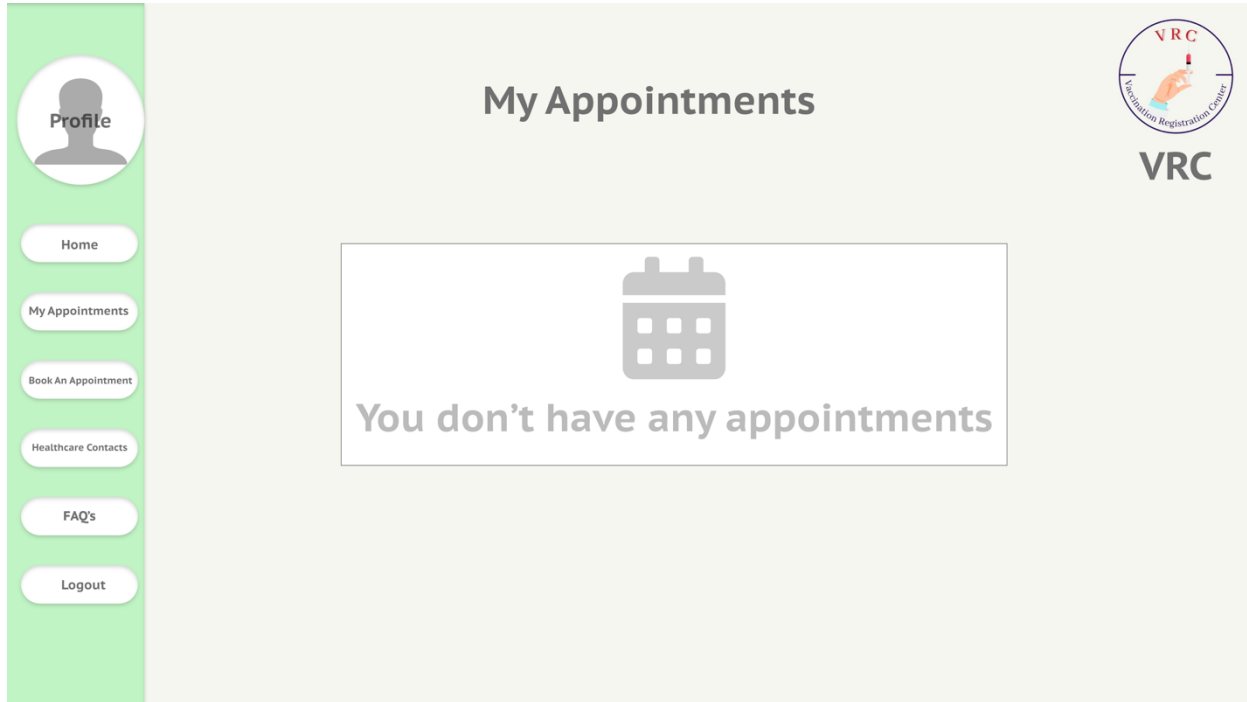
☐ Dose 3

VRC

Vaccination Registration Center

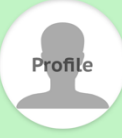
VRC

Users can book an appointment on this page, but they must first choose a (city), then enter the (date/time) of the vaccine dose they will take, as well as which vaccine dose they want to take.



If user wants to see if they have an appointment booked they can click the My Appointment button that when pressed will show dialogue of booked appointment with the information that they had provided in the book an appointment page(Date/Time/location/Dose). User can also cancel appointments throw this interface. If user does not have an appointment booked a dialogue message will appear stating that there is no appointment booked.





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## Healthcare Contacts



VRC

Email : [VRC@gmail.com](mailto:VRC@gmail.com)

Twitter : [@VRC\\_SA](https://twitter.com/VRC_SA)

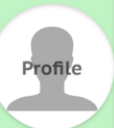
FaceBook : [@VRC\\_SA](https://www.facebook.com/VRC_SA)

Customer Service : [+966 560111000](tel:+966560111000)

City	Name	Phone Number

Let us say the user needs more information and needs professionals' assistants, this page typically helps them to contact with some healthcare professionals by showing the name of the doctor and his or her phone number and where is the branch (City) he or she works at. Moreover, our media and our service phone number





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## FAQ's



**-After getting a positive test how many days do I have to quarantine ?**  
7 days for immune adults, 10 days for unvaccinated adults and children under the age of 12

**-Can I have all my vaccine shots in the same arm?**  
Yes

**- How long should I wait between doses ?**  
At least 3 weeks

**- What medical issues are more vulnerable to Covid-19 symptoms ?**  
The risk may also be increased in people of any age who have other serious health problems — such as heart or lung conditions, weakened immune systems, obesity, or diabetes.

This page showcases some frequently asked questions that might come up to users of the system regarding covid19 and its vaccine