

Page Connexion :

XML :

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Connexion">
```

```
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">
```

```
        <TextView
            android:id="@+id/textView3"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Connexion" />
```

```
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal">
```

```
            <TextView
                android:id="@+id/textView6"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1" />
            </LinearLayout>
```

```
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal">
```

```
            <TextView
                android:id="@+id/textView"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:text="Identifiant :" />
```

```
        <EditText
            android:id="@+id/editTextTextPersonName"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:ems="10"
            android:inputType="textPersonName" />
    </LinearLayout>
```

```
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
```

```
        <TextView
            android:id="@+id/textView2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:text="Mot de passe :" />
```

```
        <EditText
            android:id="@+id/editTextTextPassword"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:ems="10"
            android:inputType="textPassword" />
    </LinearLayout>
```

```
    <!-- Ajout du bouton -->
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
```

```
        <Button
            android:id="@+id/button16"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="login"
            android:text="Se connecter" />
    </LinearLayout>
```

```
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
```

```

        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView10"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1" />
        </LinearLayout>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal">

            <Button
                android:id="@+id/button"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:onClick="createAccount"
                android:text="Créer un compte" />
            </LinearLayout>

        </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

Interface :



Code :

```

package com.example.gremdic;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;

```

```

import android.view.View;

/**
 * Classe principal de Connexion
 */
public class Connexion extends AppCompatActivity {

    BD db;

    /**
     * Au lancement
     * @param savedInstanceState
     */
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_connexion);

        db = new BD(this);
    }

    /**
     * Bouton connexion
     * @param view
     */
    public void login(View view){
        Intent btnConfirmationAccount = new Intent(this,
Accueil.class);
        startActivity(btnConfirmationAccount);

    }

    /**
     * Bouton Créer un compte
     * @param view
     */
    public void createAccount(View view){
        Intent btnCreateAccount = new Intent(this,
Inscription.class);
        startActivity(btnCreateAccount);
    }
}

```

Page inscription :

XML: `<?xml version="1.0" encoding="utf-8"?>`

```
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".Inscription">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:id="@+id/textView14"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Inscription" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:id="@+id/textView13"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
```

```
        android:text="Nom :" />
```

```
    <EditText
```

```
        android:id="@+id/tbNom"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_weight="1"
```

```
        android:ems="10"
```

```
        android:inputType="textPersonName" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:orientation="horizontal">
```

```
    <TextView
```

```
        android:id="@+id/textView4"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_weight="1"
```

```
        android:text="Prenom :" />
```

```
    <EditText
```

```
        android:id="@+id/tbPrenom"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_weight="1"
```

```
        android:ems="10"
```

```
        android:inputType="textPersonName" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:orientation="horizontal">
```

```
    <TextView
```

```
        android:id="@+id/textView11"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_weight="1"
```

```
        android:text="Type :" />
```

```
    <EditText
```

```
        android:id="@+id/tbType"
```

```
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:ems="10"
        android:inputType="textPersonName" />
    </LinearLayout>
```

```
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
```

```
        <TextView
            android:id="@+id/textView7"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:text="Adresse :" />
```

```
        <EditText
            android:id="@+id/tbAdresse"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:ems="10"
            android:inputType="textPersonName" />
    </LinearLayout>
```

```
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
```

```
        <TextView
            android:id="@+id/textView8"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:text="Mail :" />
```

```
        <EditText
            android:id="@+id/tbMail"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:ems="10"
            android:inputType="textEmailAddress" />
    </LinearLayout>
```

```
<LinearLayout
```

```
    android:layout width="match parent"
```

```
    android:layout height="wrap content"
```

```
    android:orientation="horizontal">
```

```
    <TextView
```

```
        android:id="@+id/textView9"
```

```
        android:layout width="wrap content"
```

```
        android:layout height="wrap content"
```

```
        android:layout weight="1"
```

```
        android:text="Tel :" />
```

```
    <EditText
```

```
        android:id="@+id/tbTel"
```

```
        android:layout width="wrap content"
```

```
        android:layout height="wrap content"
```

```
        android:layout weight="1"
```

```
        android:ems="10"
```

```
        android:inputType="phone" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:layout width="match parent"
```

```
    android:layout height="wrap content"
```

```
    android:orientation="horizontal">
```

```
    <TextView
```

```
        android:id="@+id/textView17"
```

```
        android:layout width="wrap content"
```

```
        android:layout height="wrap content"
```

```
        android:layout weight="1"
```

```
        android:text="Code postal :" />
```

```
    <EditText
```

```
        android:id="@+id/tbCp"
```

```
        android:layout width="wrap content"
```

```
        android:layout height="wrap content"
```

```
        android:layout weight="1"
```

```
        android:ems="10"
```

```
        android:inputType="textPersonName" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:layout width="match parent"
```

```
    android:layout height="wrap content"
```

```
    android:orientation="horizontal">
```



```
<TextView
    android:id="@+id/textView12"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Mot de passe :" />
```

```
<EditText
    android:id="@+id/tbMdp"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:ems="10"
    android:inputType="textPersonName" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<Button
    android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:onClick="confirmationAccount"
    android:text="Créer un compte" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<Button
    android:id="@+id/button5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:onClick="retourInscription"
    android:text="Retour" />
</LinearLayout>
</LinearLayout>
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

Interface :

Nom :	<input type="text"/>
Prenom :	<input type="text"/>
Type :	<input type="text"/>
Adresse :	<input type="text"/>
Mail :	<input type="text"/>
Tel :	<input type="text"/>
Code postal :	<input type="text"/>
Mot de passe :	<input type="password"/>
<input type="button" value="CRÉER UN COMPTE"/>	
<input type="button" value="RETOUR"/>	

Code : `package com.example.gremdic;`

`import androidx.appcompat.app.AppCompatActivity;`

`import android.content.Intent;`

`import android.os.Bundle;`

`import android.view.View;`

`import android.widget.EditText;`

`import android.widget.Toast;`

`/**`

`* Classe principal de Inscription`

`*/`

`public class Inscription extends AppCompatActivity {`

`BD_db;`

`EditText nom;`

`EditText prenom;`

`EditText type;`

`EditText adresse;`

`EditText mail;`

`EditText tel;`

`EditText mdp;`

`EditText cp;`

```

/**
 * AU lancement
 * @param savedInstanceState
 */
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_inscription);

    db = new BD(this);

    nom = findViewById(R.id.tbNom);
    prenom = findViewById(R.id.tbPrenom);
    type = findViewById(R.id.tbType);
    adresse = findViewById(R.id.tbAdresse);
    mail = findViewById(R.id.tbMail);
    tel = findViewById(R.id.tbTel);
    mdp = findViewById(R.id.tbMdp);
    cp = findViewById(R.id.tbCp);
}

/**
 * Bouton pour confirmer l'inscription d'un professionnels
 * @param view
 */
public void confirmationAccount(View view) {
    if(nom.getText().toString().isEmpty() ||
    prenom.getText().toString().isEmpty() ||
    type.getText().toString().isEmpty() ||
    adresse.getText().toString().isEmpty() ||
    cp.getText().toString().isEmpty() ||
    mail.getText().toString().isEmpty() ||
    tel.getText().toString().isEmpty() ||
    mdp.getText().toString().isEmpty()) {
        Toast.makeText(this, "Veuillez remplir tous les champs",
        Toast.LENGTH_LONG).show();
        return;
    }

    try {

        db.insertDataPRO(nom.getText().toString(),
        prenom.getText().toString(), type.getText().toString(),
        adresse.getText().toString(), cp.getText().toString(),
        mail.getText().toString(), tel.getText().toString(),
        mdp.getText().toString());
    }
}

```

```

Intent btnConfirmationInscription = new Intent(this,
Accueil.class);
startActivity(btnConfirmationInscription);
} catch (Exception e) {
Toast.makeText(this, "Erreur lors de l'inscription : " +
e.getMessage(), Toast.LENGTH_LONG).show();
e.printStackTrace();
}
}
}

```

```

/**
 * Bouton pour retourner à la page de connexion
 * @param view
 */
public void retourInscription(View view) {
Intent btnRetourInscription = new Intent(this,
Connexion.class);
startActivity(btnRetourInscription);
}
}
}

```

Page Accueil :

XML :

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".Accueil">

```

```

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">

```

```

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

```

```

<TextView
    android:id="@+id/textView16"
    android:layout_width="wrap_content"

```

```
        android:layout_height="wrap_content"  
        android:layout_weight="1"  
        android:text="Acceuil" />  
    </LinearLayout>
```

```
<LinearLayout  
    android:layout_width="match parent"  
    android:layout_height="wrap_content"  
    android:orientation="horizontal">
```

```
    <ImageView  
        android:id="@+id/imageView"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_weight="1"  
        app:srcCompat="@drawable/gsblogo" />  
    </LinearLayout>
```

```
<LinearLayout  
    android:layout_width="match parent"  
    android:layout_height="wrap_content"  
    android:orientation="horizontal">
```

```
    <Button  
        android:id="@+id/button2"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_weight="1"  
        android:onClick="prendreRDV"  
        android:text="Prendre un rdv" />  
    </LinearLayout>
```

```
<LinearLayout  
    android:layout_width="match parent"  
    android:layout_height="wrap_content"  
    android:orientation="horizontal">
```

```
    <TextView  
        android:id="@+id/textView18"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_weight="1" />  
    </LinearLayout>
```

```
<LinearLayout  
    android:layout_width="match parent"  
    android:layout_height="wrap_content"  
    android:orientation="horizontal">
```

```
<Button
    android:id="@+id/button4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:onClick="afficherPlanning"
    android:text="Afficher le planning" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:id="@+id/textView19"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<Button
    android:id="@+id/btnEnregistrerRDV"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:onClick="afficherPro"
    android:text="Afficher les professionnels" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:id="@+id/textView20"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1" />
</LinearLayout>
```

```

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/textView21"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView22"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1" />
        </LinearLayout>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal">

            <Button
                android:id="@+id/button7"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:onClick="disconnectAccueil"
                android:text="Se déconnecter" />
            </LinearLayout>
        </LinearLayout>
    </androidx.constraintlayout.widget.ConstraintLayout>

```

Interface :



Code :

```
package com.example.gremdic;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;

/**
 * Classe principal Accueil
 */
public class Accueil extends AppCompatActivity {

    /**
     * Au lancement
     * @param savedInstanceState
     */
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_accueil);
    }

    /**
     * Bouton pour aller à la page pour prendre un rendez-vous
     * @param view
     */
}
```



```

    public void prendreRDV(View view){
        Intent btnPrendreRDV = new Intent(this, RendezVous.class);
        startActivity(btnPrendreRDV);
    }

    /**
     * Bouton pour aller à la page pour afficher le planning
     * @param view
     */
    public void afficherPlanning(View view){
        Intent btnAfficherPlanning = new Intent(this,
Planning.class);
        startActivity(btnAfficherPlanning);
    }

    /**
     * Bouton pour afficher aller à la page d'affichage des
professionnels
     * @param view
     */
    public void afficherPro(View view){
        Intent btnAfficherPro = new Intent(this,
Profesionnels.class);
        startActivity(btnAfficherPro);
    }

    /**
     * Bouton pour se déconnecter
     * @param view
     */
    public void disconnectAccueil(View view){
        Intent btnDisconnectAccueil = new Intent(this,
Connexion.class);
        startActivity(btnDisconnectAccueil);
    }
}

```

Page enregistrer un rdv :

```

XML: <?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match parent"
android:layout_height="match parent"
tools:context=".RendezVous">

```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

```
    android:orientation="vertical">
```

```
    <LinearLayout
```

```
        android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
```

```
        android:orientation="horizontal"/>
```

```
    <LinearLayout
```

```
        android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
```

```
        android:orientation="horizontal">
```

```
    <TextView
```

```
        android:id="@+id/textView27"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_weight="1"
```

```
        android:text="Date :" />
```

```
    <CalendarView
```

```
        android:id="@+id/calendarView"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_weight="1" />
```

```
</LinearLayout>
```

```
    <LinearLayout
```

```
        android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
```

```
        android:orientation="horizontal">
```

```
    <TextView
```

```
        android:id="@+id/textView28"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_weight="1"
```

```
        android:text="Heure :" />
```

```
    <EditText
```

```
        android:id="@+id/tbHeure"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_weight="1"
```

```
        android:ems="10"  
        android:inputType="time" />  
    </LinearLayout>
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:orientation="horizontal">
```

```
    <TextView  
        android:id="@+id/textView25"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_weight="1"  
        android:text="Motif" />
```

```
    <EditText  
        android:id="@+id/tbMotif"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_weight="1"  
        android:ems="10"  
        android:inputType="textPersonName" />  
</LinearLayout>
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:orientation="horizontal">
```

```
    <TextView  
        android:id="@+id/textView29"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_weight="1"  
        android:text="id pro :" />
```

```
    <EditText  
        android:id="@+id/tbIdPro"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_weight="1"  
        android:ems="10"  
        android:inputType="textPersonName" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <Button
            android:id="@+id/btnEnregistrerRDV"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="enregistrerRDV"
            android:text="Enregistrer" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <Button
            android:id="@+id/button8"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="retourRDV"
            android:text="Retour" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <Button
            android:id="@+id/button7"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="disconnectRDV"
            android:text="Se déconnecter" />
    </LinearLayout>
</LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

Interface :

Date :

Janvier 1970						
L	M	M	J	V	S	D
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Heure :

Motif :

Id pro :

ENREGISTRER

RETOUR

SE DÉCONNECTER

Code : `package com.example.gremdic;`

`import androidx.appcompat.app.AppCompatActivity;`

`import android.content.Intent;`

`import android.os.Bundle;`

`import android.view.View;`

`import android.widget.CalendarView;`

`import android.widget.EditText;`

`import android.widget.Toast;`

`/**`

`* Classe principal de RendezVous`

`*/`

`public class RendezVous extends AppCompatActivity {`

`BD db;`

`String curDate;`

`CalendarView date;`

`EditText heure;`

`EditText motif;`

`EditText idPro;`

`/**`

`* AU lancement`

```

        * @param savedInstanceState
    */
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_rendez_vous);

        db = new BD(this);
        date = findViewById(R.id.calendarView);
        heure = findViewById(R.id.tbHeure);
        motif = findViewById(R.id.tbMotif);
        idPro = findViewById(R.id.tbIdPro);

        date.setOnDateChangeListener(new
        CalendarView.OnDateChangeListener() {
            /**
             * Au changement de date sur le calendrier
             * @param calendarView
             * @param year
             * @param month
             * @param dayOfMonth
             */
            @Override
            public void onSelectedDayChange(CalendarView
            calendarView, int year, int month, int dayOfMonth) {
                curDate = String.valueOf(dayOfMonth) + "/" +
                String.valueOf(month) + "/" + String.valueOf(year);
            }
        });
    }

    /**
     * Bouton pour enregistrer un rendez vous
     * @param view
     */
    public void enregistrerRDV(View view){
        try {
            int lheure =
            Integer.parseInt(heure.getText().toString());
            int lidPro =
            Integer.parseInt(idPro.getText().toString());
            db.insertDataRdv(curDate, lheure,
            motif.getText().toString(), lidPro);

            Toast.makeText(this, "Le rdv a bien été pris",
            Toast.LENGTH_LONG).show();
        } catch (NumberFormatException e) {

```

```

        Toast.makeText(this, "Veuillez entrer des valeurs
valides pour l'heure et l'ID professionnel",
Toast.LENGTH_LONG).show();
    }
}

/**
 * Bouton pour retourner à la page d'accueil
 * @param view
 */
public void retourRDV(View view){
    Intent btnRetourRDV = new Intent(this, Accueil.class);
    startActivity(btnRetourRDV);
}

/**
 * Bouton pour se déconnecter
 * @param view
 */
public void disconnectRDV(View view){
    Intent btnDisconnectRDV = new Intent(this,
Connexion.class);
    startActivity(btnDisconnectRDV);
}
}

```

Page afficher le planning :

```

XML:<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".Planning">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal">

```

```
<TextView
    android:id="@+id/textView23"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Planning" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<CalendarView
    android:id="@+id/calendarView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:id="@+id/labelResultat"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Résultat :" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
<Button
    android:id="@+id/button10"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:onClick="retourPlanning"
    android:text="Retour" />
</LinearLayout>
```

```
<LinearLayout
```



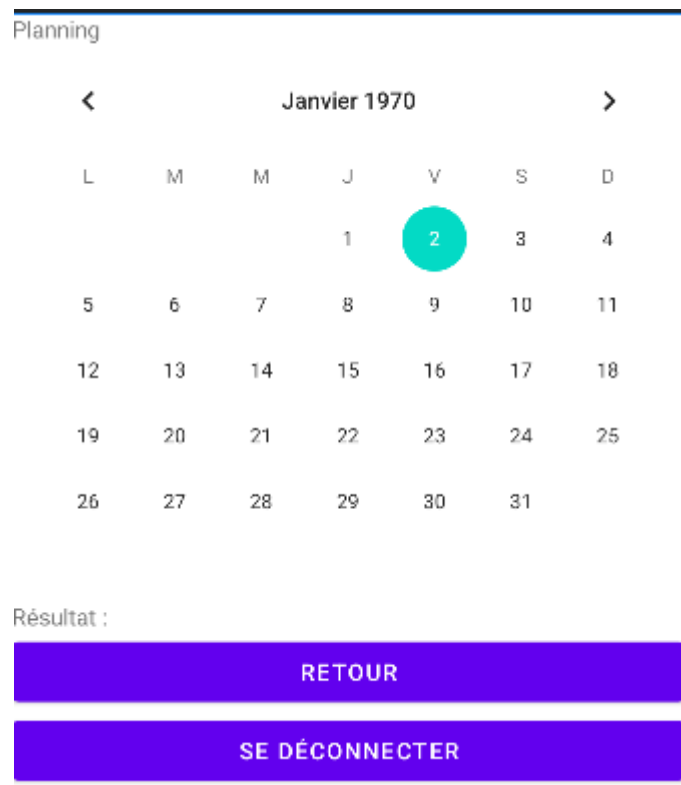
```

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <Button
            android:id="@+id/button11"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="disconnectPlanning"
            android:text="Se déconnecter" />
    </LinearLayout>
</LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

Interface :



Code : `package com.example.gremdic;`

```

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.CalendarView;

```

```

import android.widget.TextView;
import android.widget.Toast;

/**
 * Classe principal de Planning
 */
public class Planning extends AppCompatActivity {

    BD db;
    CalendarView calendar;
    String curDate;
    TextView resultat;

    /**
     * Au lancement
     * @param savedInstanceState
     */
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_planning);

        calendar = findViewById(R.id.calendarView2);
        resultat = findViewById(R.id.labelResultat);
        db = new BD(this);

        calendar.setOnDateChangeListener(new
CalendarView.OnDateChangeListener() {
            /**
             * Au changement de la date sur le calendrier
             * @param calendarView
             * @param year
             * @param month
             * @param dayofMonth
             */
            @Override
            public void onSelectedDayChange(@NonNull CalendarView
calendarView, int year, int month, int dayofMonth) {
                curDate = year + "/" + month + "/" + dayofMonth;
                StringBuilder liste = new StringBuilder();
                try {
                    Cursor data = db.getInfoByDate(curDate);
                    while (data.moveToNext()) {
                        String motif = data.getString(0);
                        String heure = data.getString(1);
                        liste.append(motif).append(" :
").append(heure).append("\n");
                    }
                }
            }
        });
    }
}

```

```

        resultat.setText(liste.toString());
    } catch (Exception e){
        e.printStackTrace();
    }
}
}
});
}

```

```

/**
 * Bouton retour à la page d'accueil
 * @param view
 */
public void retourPlanning(View view){
    Intent btnRetourPlanning = new Intent(this,
Accueil.class);
    startActivity(btnRetourPlanning);
}

```

```

/**
 * Bouton pour se déconnecter
 * @param view
 */
public void disconnectPlanning(View view){
    Intent btnDisconnectPlanning = new Intent(this,
Connexion.class);
    startActivity(btnDisconnectPlanning);
}
}

```

Page afficher les professionnels :

```

XML: <?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".Profesionnels">

```

```

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">

```

```

    <LinearLayout
        android:layout_width="match_parent"

```

```
        android:layout_height="wrap_content"  
        android:orientation="horizontal">
```

```
        <TextView  
            android:id="@+id/textView26"  
            android:layout_width="wrap_content"  
            android:layout_height="wrap_content"  
            android:layout_weight="1"  
            android:text="Professionnels" />  
    </LinearLayout>
```

```
    <LinearLayout  
        android:layout_width="match_parent"  
        android:layout_height="wrap_content"  
        android:orientation="horizontal">
```

```
        <TextView  
            android:id="@+id/textView31"  
            android:layout_width="wrap_content"  
            android:layout_height="wrap_content"  
            android:layout_weight="1"  
            android:text="Ville :" />
```

```
        <EditText  
            android:id="@+id/tbVillePro"  
            android:layout_width="wrap_content"  
            android:layout_height="wrap_content"  
            android:layout_weight="1"  
            android:ems="10"  
            android:inputType="textPersonName" />  
    </LinearLayout>
```

```
    <LinearLayout  
        android:layout_width="match_parent"  
        android:layout_height="wrap_content"  
        android:orientation="horizontal">
```

```
        <TextView  
            android:id="@+id/textView32"  
            android:layout_width="wrap_content"  
            android:layout_height="wrap_content"  
            android:layout_weight="1"  
            android:text="Code postal :" />
```

```
        <EditText  
            android:id="@+id/tbCpPro"  
            android:layout_width="wrap_content"  
            android:layout_height="wrap_content"
```

```
        android:layout_weight="1"
        android:ems="10"
        android:inputType="textPersonName" />
    </LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
    <TextView
        android:id="@+id/labelResultatPro"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:text="Résultat :" />
    </LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
    <Button
        android:id="@+id/button14"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:onClick="visualiserPro"
        android:text="Visualiser" />
    </LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
```

```
    <Button
        android:id="@+id/button12"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:onClick="retourPro"
        android:text="Retour" />
    </LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
```

```

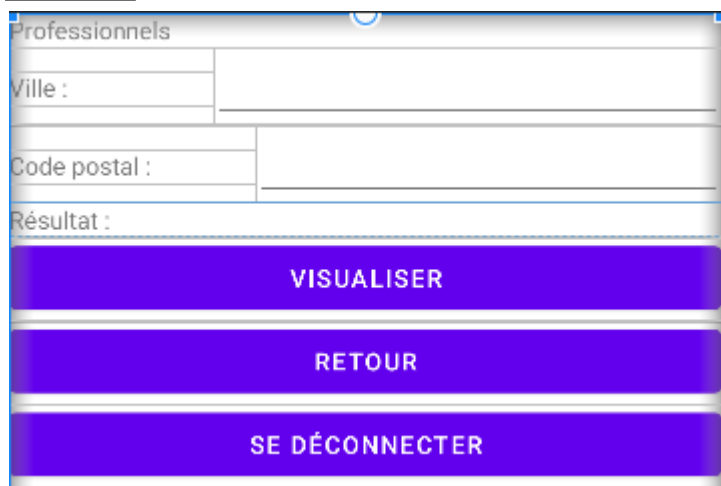
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <Button
            android:id="@+id/button13"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:onClick="disconnectPro"
            android:text="Se déconnecter" />
    </LinearLayout>

</LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

Interface :



Code :

```

package com.example.gremdic;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.ListView;
import android.widget.TextView;
import android.widget.Toast;

/**
 * Classe principale de Professionnels
 */
public class Profesionnels extends AppCompatActivity {

```

```

        EditText ville;
        EditText cp;
        TextView resultat;
        BD db;

    /**
     * Au lancement
     * @param savedInstanceState
     */
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_professionnels);

        ville = findViewById(R.id.tbVillePro);
        cp = findViewById(R.id.tbCpPro);
        resultat = findViewById(R.id.labelResultatPro);
        db = new BD(this);
    }

    /**
     * Bouton pour visualiser les professionnels
     * @param view
     */
    public void visualiserPro(View view) {
        StringBuilder liste = new StringBuilder();
        if(ville.length() > 0 && cp.length() > 0)
            Toast.makeText(this, "Veuillez saisir une seule information", Toast.LENGTH_LONG).show();
        if(ville.length() > 0) {
            try {
                Cursor data =
db.getProByVille(ville.getText().toString());
                while (data.moveToNext()) {
                    String nom = data.getString(0);
                    String prenom = data.getString(1);
                    liste.append(nom).append(" :
").append(prenom).append("\n");
                }
                resultat.setText(liste.toString());
            } catch (Exception e) {
                e.printStackTrace();
            }
        } else {
            try {
                Cursor data =
db.getProByCp(cp.getText().toString());
                while (data.moveToNext()) {

```

```

        String nom = data.getString(0);
        String prenom = data.getString(1);
        liste.append(nom).append(" :
").append(prenom).append("\n");
    }
    resultat.setText(liste.toString());
} catch (Exception e){
    e.printStackTrace();
};
}
}

```

```

/**
 * Bouton pour retourner à la page d'accueil
 * @param view
 */
public void retourPro(View view){
    Intent btnRetourPro = new Intent(this, Accueil.class);
    startActivity(btnRetourPro);
}
}

```

```

/**
 * Bouton pour se déconnecter
 * @param view
 */
public void disconnectPro(View view){
    Intent btnDisconnectPro = new Intent(this,
Connexion.class);
    startActivity(btnDisconnectPro);
}
}
}

```

Classe BD : `package com.example.gremdic;`

```

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

```

```

/**
 * Classe représentant la gestion de la base de données pour
 l'application Gère'Médec.
 */
public class BD extends SQLiteOpenHelper {

```

```

    // Déclaration des constantes pour le nom de la base de données
    et sa version

```



```

private static final String NOM_BD = "Gère'Médec";
private static final int VERSION_BD = 1;

// Déclaration des noms de tables et des colonnes pour les
tables Professionnel et RDV
private static final String TABLE_PROFESSIONNEL =
"Professionnel";
private static final String TABLE_RDV = "RDV";

// Noms des colonnes pour la table Professionnel
private static final String COL_ID_PRO = "Id Professionnel";
private static final String COL_NOM = "nom";
private static final String COL_PRENOM = "prenom";
private static final String COL_TYPE = "type";
private static final String COL_ADRESSE = "adresse";
private static final String COL_CP = "codePostal";
private static final String COL_TEL = "tel";
private static final String COL_MAIL = "mail";

// Noms des colonnes pour la table RDV
private static final String COL_ID_RDV = "Id RDV";
private static final String COL_DATE = "laDate";
private static final String COL_HEURE = "heure";
private static final String COL_MOTIF = "motif";
private static final String COL_ID_PRO_FK = "Id Professionnel";

/**
 * Constructeur de la classe BD.
 */
* @param context Contexte de l'application.
*/
public BD(Context context) {
    super(context, NOM_BD, null, VERSION_BD);
}

/**
 * Méthode appelée lors de la création de la base de données.
 */
* @param db Base de données.
*/
@Override
public void onCreate(SQLiteDatabase db) {
    // Création de la table Professionnel
    String CREATE_TABLE_PROFESSIONNEL = "CREATE TABLE " +
TABLE_PROFESSIONNEL + "("
        + COL_ID_PRO + " INTEGER PRIMARY KEY AUTOINCREMENT,"
        + COL_NOM + " VARCHAR(50),"
        + COL_PRENOM + " VARCHAR(50),"

```

```

        + COL_TYPE + " VARCHAR(50),"
        + COL_ADRESSE + " VARCHAR(50),"
        + COL_CP + " VARCHAR(50),"
        + COL_MAIL + " VARCHAR(50),"
        + COL_TEL + " INTEGER"
        + ")";
        db.execSQL(CREATE_TABLE_PROFESSIONNEL);

```

```

        // Création de la table RDV avec une clé étrangère faisant
        // référence à la table Professionnel
        String CREATE_TABLE_RDV = "CREATE TABLE " + TABLE_RDV + "("
        + COL_ID_RDV + " INTEGER PRIMARY KEY AUTOINCREMENT,"
        + COL_DATE + " DATE,"
        + COL_HEURE + " TIME,"
        + COL_MOTIF + " VARCHAR(50),"
        + COL_ID_PRO_FK + " INTEGER,"
        + "FOREIGN KEY(" + COL_ID_PRO_FK + ") REFERENCES " +
        TABLE_PROFESSIONNEL + "(" + COL_ID_PRO + ")"
        + ")";
        db.execSQL(CREATE_TABLE_RDV);
    }

```

```

    /**
     * Méthode appelée si les tables existent
     *
     * @param db
     * @param oldVersion
     * @param newVersion
     */
    @Override
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int
    newVersion) {

```

```

        db.execSQL("DROP TABLE IF EXISTS " + TABLE_RDV);
        db.execSQL("DROP TABLE IF EXISTS " + TABLE_PROFESSIONNEL);

```

```

        // Create tables again
        onCreate(db);
    }

```

```

    /**
     * Méthode qui permet d'insérer un professionnel dans la base de
     * données
     *
     * @param nom
     * @param prenom
     * @param type

```

```

    * @param adresse
    * @param codePostal
    * @param mail
    * @param tel
    * @param mdp
    */
    public void insertDataPRO(String nom, String prenom, String
type, String adresse, String codePostal, String mail, String tel,
String mdp){
        SQLiteDatabase db = this.getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        contentValues.put(COL_NOM, nom);
        contentValues.put(COL_PRENOM, prenom);
        contentValues.put(COL_TYPE, type);
        contentValues.put(COL_ADRESSE, adresse);
        contentValues.put(COL_CP, codePostal);
        contentValues.put(COL_MAIL, mail);
        contentValues.put(COL_TEL, tel);
        db.insert(TABLE_PROFESIONNEL, null, contentValues);
        db.close();
    }

    /**
     * Méthode qui permet d'insérer un rendez-vous dans la bae de
données
     *
     * @param laDate
     * @param heure
     * @param motif
     * @param id_pro
     */
    public void insertDataRdv(String laDate, int heure, String
motif, int id_pro){
        SQLiteDatabase db = this.getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        contentValues.put(COL_DATE, laDate);
        contentValues.put(COL_HEURE, heure);
        contentValues.put(COL_MOTIF, motif);
        contentValues.put(COL_ID_PRO_FK, id_pro);
        db.insert(TABLE_RDV, null, contentValues);
        db.close();
    }

    /**
     * Méthode qui permet de récupérer les infos de rendez-vous selon
une date
     *
     * @param laDate

```

```

    * @return
    */
    public Cursor getInfoByDate(String laDate){
        SQLiteDatabase db = this.getReadableDatabase();
        Cursor resultats = db.rawQuery("SELECT motif, heure FROM "
+ TABLE_RDV + " WHERE " + COL_DATE + " = ?", new String[]{laDate});
        return resultats;
    }

    /**
     * Méthode qui permet de récupérer les professionnels selon leur
ville
     *
     * @param ville
     * @return
     */
    public Cursor getProByVille(String ville){
        SQLiteDatabase db = this.getReadableDatabase();
        Cursor resultats = db.rawQuery("SELECT * FROM " +
TABLE_PROFESSIONNEL + " WHERE " + COL_ADRESSE + " = ?", new
String[]{ville});
        return resultats;
    }

    /**
     * Méthode qui permet de récupérer les professionnels selon leur
code postal
     *
     * @param cp
     * @return
     */
    public Cursor getProByCp(String cp){
        SQLiteDatabase db = this.getReadableDatabase();
        Cursor resultats = db.rawQuery("SELECT * FROM " +
TABLE_PROFESSIONNEL + " WHERE " + COL_CP + " = ?", new
String[]{cp});
        return resultats;
    }
}

```

Tests unitaires :

```

package com.example.gremdic;

import android.content.Context;
import android.database.Cursor;
import androidx.test.ext.junit.runners.AndroidJUnit4;
import androidx.test.platform.app.InstrumentationRegistry;
import org.junit.After;

```

```

import org.junit.Before;
import org.junit.Test;
import org.junit.runner.RunWith;
import static org.junit.Assert.*;

@RunWith(AndroidJUnit4.class)
class BDTest {

    private Context appContext;
    private BD bdInstance;

    @Before
    public void setup() {
        appContext =
InstrumentationRegistry.getInstrumentation().getTargetContext();
        bdInstance = new BD(appContext);
    }

    @After
    public void tearDown() {
        // Réinitialiser la base de données ou effectuer d'autres
actions de nettoyage si nécessaire
        // Cela peut impliquer la suppression des données insérées
après chaque test
    }

    @Test
    public void testInsertDataPRO() {
        bdInstance.insertDataPRO("John", "Doe", "Médecin", "123 Rue
Example", "12345", "john@example.com", "123456789", "motdepasse");
        Cursor cursor = bdInstance.getProByVille("123 Rue
Example");
        assertNotNull(cursor);
        assertTrue(cursor.moveToFirst());
        assertEquals("John",
cursor.getString(cursor.getColumnIndex("nom")));
        cursor.close();
    }

    @Test
    public void testInsertDataRdv() {
        bdInstance.insertDataRdv("2023/12/31", 10, "Check-up", 1);
// Vérifiez que l'ID professionnel existe en base de données
        Cursor cursor = bdInstance.getInfoByDate("2023/12/31");
        assertNotNull(cursor);
        assertTrue(cursor.moveToFirst());
        assertEquals("Check-up",
cursor.getString(cursor.getColumnIndex("motif")));
    }

```

```
        cursor.close();  
    }  
}
```

```
@Test  
public void testGetInfoByDate() {  
    // Insérer des données pour tester la méthode getInfoByDate  
    // Assurez-vous d'insérer des données pour une date  
    spécifique  
    bdInstance.insertDataRdv("2023/12/25", 9, "Examen", 1);  
    Cursor cursor = bdInstance.getInfoByDate("2023/12/25");  
    assertNotNull(cursor);  
    assertTrue(cursor.moveToFirst());  
    assertEquals("Examen",  
cursor.getString(cursor.getColumnIndex("motif")));  
    cursor.close();  
}
```

```
@Test  
public void testGetProByVille() {  
    // Insérer des données pour tester la méthode getProByVille  
    // Assurez-vous d'insérer des professionnels dans une ville  
    spécifique  
    bdInstance.insertDataPRO("Jane", "Smith", "Pharmacien",  
"456 Avenue Example", "67890", "jane@example.com", "987654321",  
"password");  
    Cursor cursor = bdInstance.getProByVille("456 Avenue  
Example");  
    assertNotNull(cursor);  
    assertTrue(cursor.moveToFirst());  
    assertEquals("Jane",  
cursor.getString(cursor.getColumnIndex("nom")));  
    cursor.close();  
}
```

```
@Test  
public void testGetProByCp() {  
    // Insérer des données pour tester la méthode getProByCp  
    // Assurez-vous d'insérer des professionnels avec un code  
    postal spécifique  
    bdInstance.insertDataPRO("James", "Brown", "Chirurgien",  
"789 Boulevard Example", "23456", "james@example.com",  
"123123123", "pass123");  
    Cursor cursor = bdInstance.getProByCp("23456");  
    assertNotNull(cursor);  
    assertTrue(cursor.moveToFirst());  
    assertEquals("James",  
cursor.getString(cursor.getColumnIndex("nom")));  
    cursor.close();  
}
```

