

**Smt. Chandaben Mohanbhai Patel Institute of Computer Applications
(CMPICA)**

Faculty of Computer Science and Applications

Case Study

B.Sc. IT – Semester VI

CA610: Mobile Application Development

Title of Case Study

Matrimonial Mobile Application

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Submitted By		
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1. Sign UP Page:

Front End:

Kt code:

```
package com.example.a21bsit046_casestudy

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
```

```

import android.widget.EditText
import android.widget.RadioButton
import android.widget.Toast

class SignUp : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_sign_up)
        val ssingup=findViewById<Button>(R.id.btnlsingup2)
        val name=findViewById<EditText>(R.id.txtid)
        val upass=findViewById<EditText>(R.id.txtpass)
        val db:MyDBHelper= MyDBHelper(applicationContext)

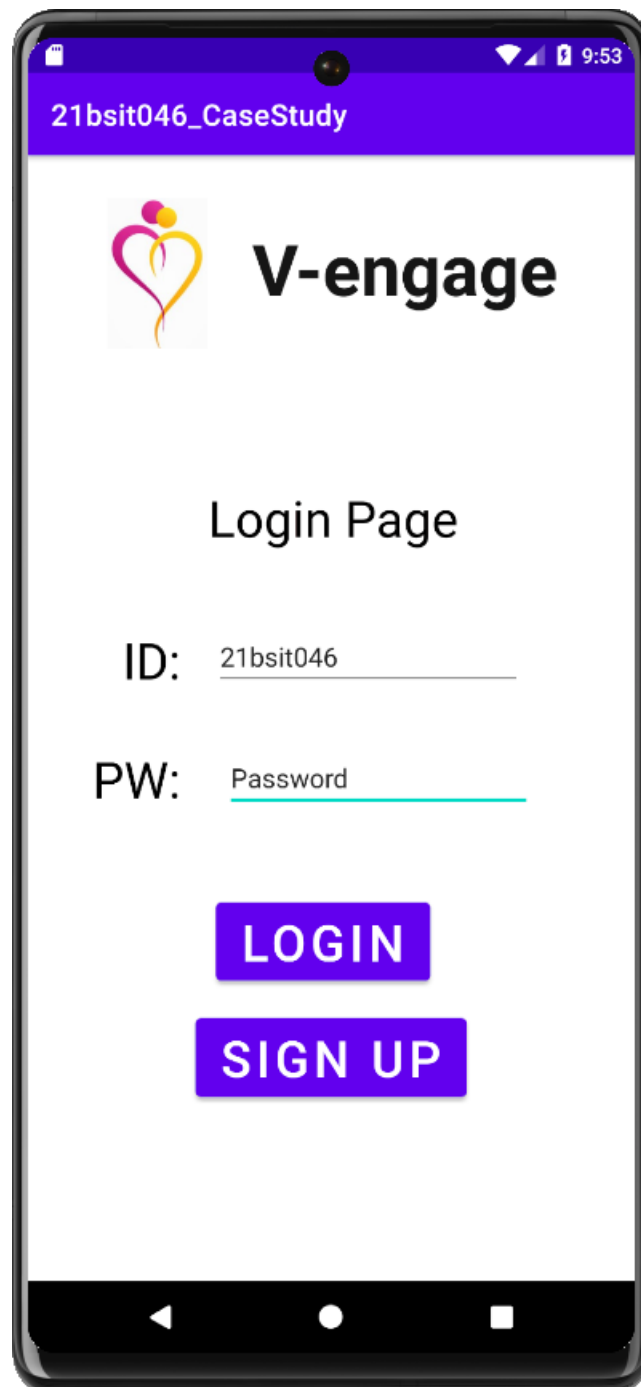
        val fname=findViewById<EditText>(R.id.txtfname)
        val add=findViewById<EditText>(R.id.txtaddress)
        val dob=findViewById<EditText>(R.id.txtdob)
        val male=findViewById<RadioButton>(R.id.rmale)
        val female=findViewById<RadioButton>(R.id.rfemale)

        ssingup.setOnClickListener {
            if(!name.text.isEmpty() && !upass.text.isEmpty())
            {
                val res=
db.insert(name.text.toString(),upass.text.toString())
                if(res==-1.toLong())
                {
                    Toast.makeText(this, "Cannot Create Account",
Toast.LENGTH_SHORT).show()
                }
                else
                {
                    var gender:String
                    if(male.isChecked)
                    {
                        gender="male"
                    }
                    else
                    {
                        gender="female"
                    }
                    var details:String="Fname: "+fname.text.toString() +"
Address: "+add.text.toString()+" DOB: "+dob.text.toString()+" Gender:
"+gender
                    Toast.makeText(this, "Account Created
Successfully"+details, Toast.LENGTH_LONG).show()
                    startActivity(Intent(this,MainActivity::class.java))
                    finish()
                }
            }
            else
            {
                Toast.makeText(this, "Cannot insert null data",
Toast.LENGTH_SHORT).show()
            }
        }
    }
}

```

2. Login Page:

Front End:



Kt code:

```
package com.example.a21bsit046_casestudy

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
```

```

import android.widget.EditText
import android.widget.TextView
import android.widget.Toast

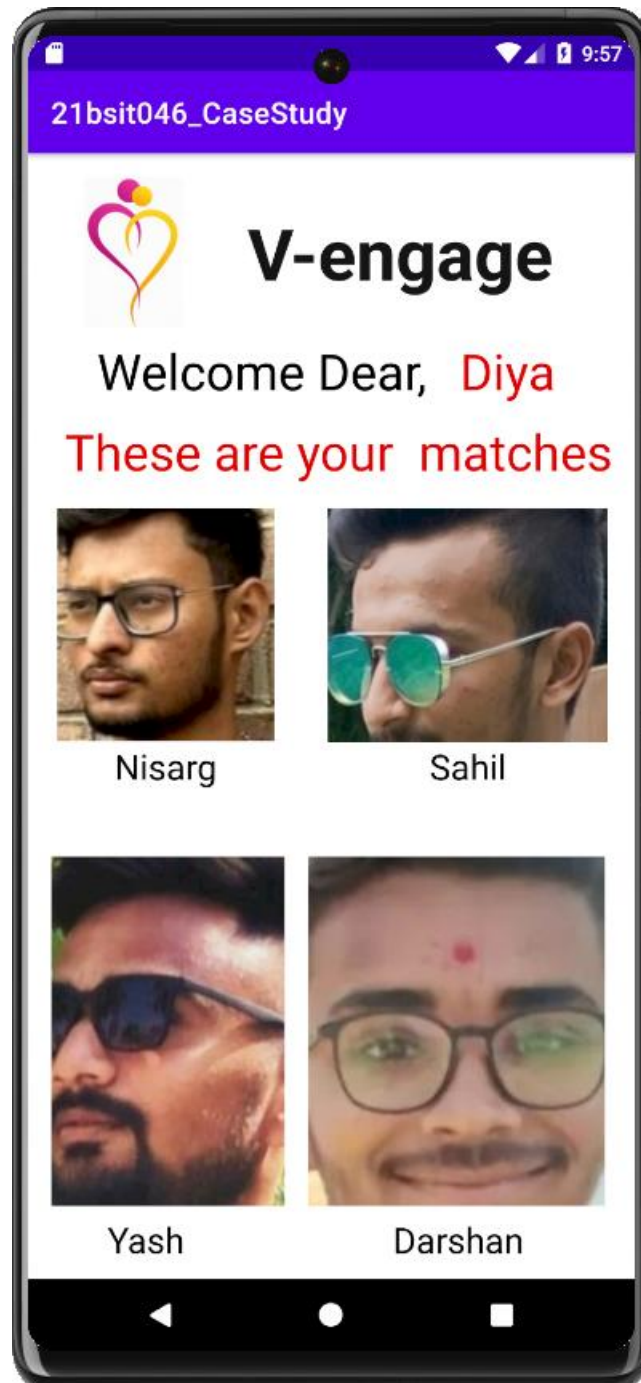
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        val signup=findViewById<Button>(R.id.btnlsingup)
        val lid=findViewById<EditText>(R.id.txtlid)
        val lpass=findViewById<EditText>(R.id.txtlpass)
        val login=findViewById<Button>(R.id.btnlogin)
        val db:MyDBHelper= MyDBHelper(applicationContext)
        login.setOnClickListener {
            if(!lid.text.isEmpty() && !lpass.text.isEmpty())
            {
                var check =
db.login(lid.text.toString(),lpass.text.toString())
                if (check)
                {
                    Toast.makeText(this, "Login Successfull",
Toast.LENGTH_SHORT).show()
//                    Toast.makeText(this, "Account Created",
Toast.LENGTH_SHORT).show()
                    startActivity(Intent(this,HomeScreen::class.java))
                    finish()
                }
                else
                {
                    Toast.makeText(this, "Invalid Credentail",
Toast.LENGTH_SHORT).show()
                }
            }
        }

        signup.setOnClickListener {
            startActivity(Intent(this,SignUp::class.java))
        }
    }
}

```

3. Home Page:

Front End:



Kt code:

```
package com.example.a21bsit046_casestudy

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.ImageButton

class HomeScreen : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_home_screen)
        val imgnisu=findViewById<ImageButton>(R.id.img1)
```

```

val imgsahil=findViewById<ImageButton>(R.id.img2)
val imgyash=findViewById<ImageButton>(R.id.img3)
val imgdarshan=findViewById<ImageButton>(R.id.img4)

imgnisu.setOnClickListener {
    startActivity(Intent(this,Pnisarg::class.java))
    finish()
}

imgsahil.setOnClickListener {
    startActivity(Intent(this,Psahil::class.java))
    finish()
}

imgyash.setOnClickListener {
    startActivity(Intent(this,Pyash::class.java))
    finish()
}

imgdarshan.setOnClickListener {
    startActivity(Intent(this,Pdarshan::class.java))
    finish()
}
}
}

```

4. Profile Page:

Front End:



Kt code:

```
package com.example.a21bsit046_casestudy

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.Toast

class Psahil : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_psahil)
        val sback=findViewById<Button>(R.id.btnsback)
        val sconnect=findViewById<Button>(R.id.btnsconnect)

        sback.setOnClickListener {
            startActivity(Intent(this,HomeScreen::class.java))
            finish()
        }
        sconnect.setOnClickListener {
            Toast.makeText(this, "You are now Connected",
Toast.LENGTH_SHORT).show()

        }
    }
}
```



Kt code:

```
package com.example.a21bsit046_casestudy

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.Toast

class Pnisarg : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_pnisarg)
        val nback=findViewById<Button>(R.id.btnnback)
        val nconnect=findViewById<Button>(R.id.btnnconnect)

        nback.setOnClickListener {
            startActivity(Intent(this, HomeScreen::class.java))
            finish()
        }
        nconnect.setOnClickListener {
            Toast.makeText(this, "You are now Connected",
                Toast.LENGTH_SHORT).show()
        }
    }
}
```



Kt code:

```
package com.example.a21bsit046_casestudy

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.Toast

class Pyash : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_pyash)
        val yback=findViewById<Button>(R.id.btnyback)
        val yconnect=findViewById<Button>(R.id.btnyconnect)

        yback.setOnClickListener {
            startActivity(Intent(this,HomeScreen::class.java))
            finish()
        }
        yconnect.setOnClickListener {
            Toast.makeText(this, "You are now Connected",
Toast.LENGTH_SHORT).show()
        }
    }
}
```



```

package com.example.a21bsit046_casestudy

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.Toast

class Pdarshan : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_pdarshan)
        val dback=findViewById<Button>(R.id.btndback)
        val dconnect=findViewById<Button>(R.id.btndconnect)

        dback.setOnClickListener {
            startActivity(Intent(this, HomeScreen::class.java))
            finish()
        }
        dconnect.setOnClickListener {
            Toast.makeText(this, "You are now Connected",
            Toast.LENGTH_SHORT).show()
        }
    }
}

```

5. Database Code:

```

package com.example.a21bsit046_casestudy

import android.content.ContentValues
import android.content.Context
import android.database.Cursor
import android.database.sqlite.SQLiteDatabase
import android.database.sqlite.SQLiteOpenHelper
import android.widget.Toast

class
MyDBHelper(context: Context):SQLiteOpenHelper(context,"CustomerDetails",null
,1) {
    override fun onCreate(p0: SQLiteDatabase?) {
        val query:String="create table customer( cid integer primary key
autoincrement, cname text,cpass text)"
        p0?.execSQL(query)
    }

    override fun onUpgrade(p0: SQLiteDatabase?, p1: Int, p2: Int) {
//        TODO("Not yet implemented")
    }

    fun insert(uname:String,upass:String):Long
    {
        val db:SQLiteDatabase=this.writableDatabase
        val cv=ContentValues()
        cv.put("cname",uname)
        cv.put("cpass",upass)
        var res=db.insert("Customer",null,cv)
        return res
    }
}

```

```
}  
fun login(uname:String,upass:String):Boolean  
{  
    val db:SQLiteDatabase=this.readableDatabase  
    val cursor:Cursor=db.rawQuery("select * from customer where cname=?  
and cpass=?",arrayOf(uname,upass))  
    if(cursor.count>0)  
    {  
        return true  
    }  
    else  
    {  
        return false  
    }  
}  
}
```