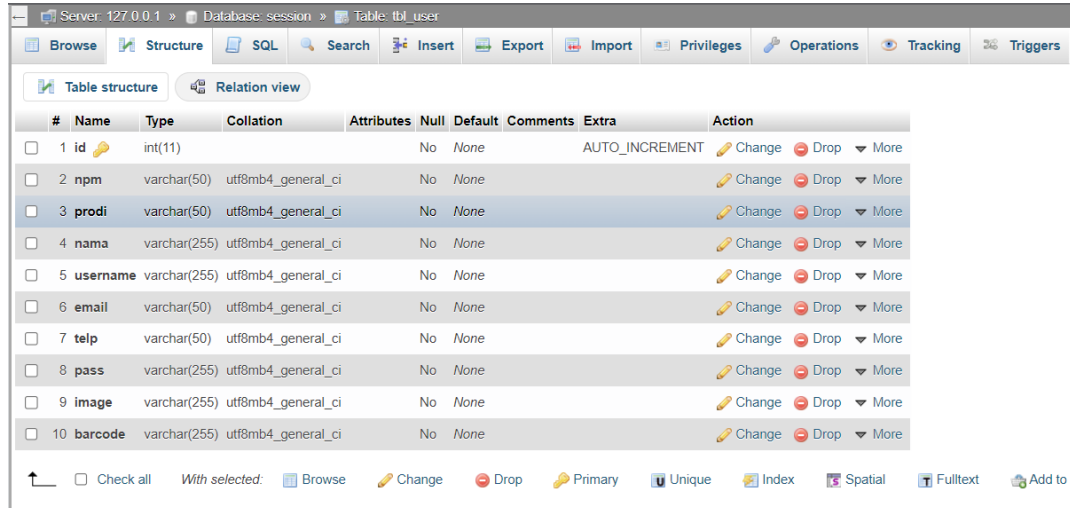


# LANGKAH PEMBUATAN PROJECT

## A. DATABASE



The screenshot shows the MySQL Table Structure for a table named 'tbl\_user'. The table has 10 columns: id, npm, prodi, nama, username, email, telp, pass, image, and barcode. The 'id' column is an integer with AUTO\_INCREMENT. The other columns are varchar with varying lengths and utf8mb4\_general\_ci collation. The interface includes tabs for Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, and Triggers. Below the table structure, there are options to check all, with selected, and buttons for Browse, Change, Drop, Primary, Unique, Index, Spatial, Fulltext, and Add to c.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	npm	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
3	prodi	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
4	nama	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
5	username	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
6	email	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
7	telp	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
8	pass	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
9	image	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
10	barcode	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More

(database menggunakan XAMPP MySQL)

## B. PHP

1. Buat folder di dalam folder xampp/htdocs/ dengan nama cobalogsession (menyesuaikan)
2. Lalu buat file db.php

```
1 <?php
2 header('Access-Control-Allow-Origin: *');
3 header('Access-Control-Allow-Credentials: true');
4 header('Access-Control-Allow-Methods: PUT, GET, POST, DELETE, OPTIONS');
5 header('Access-Control-Allow-Headers: Origin, Content-Type, Authorization, Accept, x-requested-with');
6 header('Content-Type: application/json; charset=utf-8');
7 try {
8     $conn = new mysqli('localhost', 'root', '');
9     $conn->select_db('session');
10    $encodedData = file_get_contents('php://input');
11    $decodedData = json_decode($encodedData, true);
12 } catch (PDOException $e){
13     echo 'Error' . $e->getMessage() . '<br>';
14     die();
15 }
16
```

3. Selanjutnya buat file login.php

```
1 <?php
2 include 'db.php';
3 $username = $decodedData['username'];
4 $pass = md5($decodedData['pass']);
5 $message = '';
6 $error = false;
7 $array;
8 try {
9     $selectQuery = "SELECT username, npm, prodi, nama, email, telp, pass, image, barcode FROM tbl_user Where username = '$username' AND pass = '$pass' ";
10    $check = $conn->query($selectQuery);
11    if($check->num_rows > 0){
12        $array = $check->fetch_assoc();
13        if($array['pass'] != $pass){
14            $message = "You insert a wrong password";
15            $error = true;
16            $array = null;
17        }
18    } else {
19        $message = "No account yet";
20        $error = true;
21        $array = null;
22    }
23    $conn->close();
24 } catch (Exception $e){
25     $message = $e->getMessage();
26     die();
27 }
28
29 $result = ['message' => $message, 'result' => $array, 'error' => $error];
30 echo json_encode($result);
31
```

#### 4. Selanjutnya buat file register.php

```
1 <?php
2 include 'db.php';
3
4 $npm = $decodedData['npm'];
5 $nama = $decodedData['nama'];
6 $prodi = $decodedData['prodi'];
7 $email = $decodedData['email'];
8 $telp = $decodedData['telp'];
9 $username = $decodedData['username'];
10 $pass = md5($decodedData['pass']);
11 $message = '';
12 if($npm == "" || $nama == "" || $prodi == "" || $email == "" || $telp == "" || $username == "" || $pass == ""){
13     $message = "You have to insert your register!";
14 } else {
15     try {
16         $selectQuery = "SELECT * FROM tbl_user Where username = '$username' AND pass = '$pass' ";
17         $check = $conn->query($selectQuery);
18         if($check->num_rows > 0){
19             $message = "Account has been registered!";
20         } else {
21             $insertQuery = "INSERT INTO tbl_user(npm,nama,prodi,email,telp,username,pass) VALUES('$npm','$nama','$prodi','$email',
22                 '$telp','$username','$pass')";
23             $R = $conn->query($insertQuery);
24             if(!$R){
25                 $message = "Failed";
26             } else {
27                 $message = 'success';
28             }
29             $conn->close();
30         }
31     } catch (Exception $e){
32         $message = $e->getMessage();
33         die();
34     }
35     echo json_encode($message);
36 }
37 ?>
```

#### 5. Selanjutnya buat file data.php

```
1 <?php
2
3 require_once('db.php');
4
5 if (empty($_GET)) {
6     $query = mysqli_query($conn, "SELECT * FROM session");
7
8     $result = array();
9     while ($row = mysqli_fetch_array($query)) {
10         array_push($result, array(
11             'npm' => $row['npm'],
12             'nama' => $row['nama'],
13             'username' => $row['username'],
14             'id' => $row['id'],
15             'prodi' => $row['prodi'],
16             'email' => $row['email'],
17             'telp' => $row['telp'],
18             'pass' => $row['pass'],
19             'image' => $row['image'],
20             'barcode' => $row['barcode']
21         ));
22     }
23
24     echo json_encode(
25         array('array' => $result)
26     );
27 } else {
28     $query = mysqli_query($conn, "SELECT * FROM session WHERE id=" . $_GET['id']);
29     $result = array();
30     while ($row = $query->fetch_assoc()) {
31         $result = array(
32             'npm' => $row['npm'],
33             'nama' => $row['nama'],
34             'username' => $row['username'],
35             'id' => $row['id'],
36             'prodi' => $row['prodi'],
37             'email' => $row['email'],
38             'telp' => $row['telp'],
39             'pass' => $row['pass'],
40             'image' => $row['image'],
41             'barcode' => $row['barcode']
42         );
43     }
44     echo json_encode(
45         $result
46     );
47 }
48
```

## C. IONIC – ANGULAR

1. Buka command prompt lalu install cordova dengan perintah : **npm install -g cordova**
2. Lalu buat project baru dengan ionic start.

```
C:\Users\Risman>ionic start
? Use the app creation wizard? No
```

3. Pilih framework nya Angular

```
Pick a framework!
Please select the JavaScript framework to use. If you don't
prompt next time, supply a value for the --framework flag.

? Framework: <Use arrow keys>
  Angular  : https://angular.io
  React    : https://reactjs.org
  Vue      : https://vuejs.org
```

4. Beri nama projectnya

```
? Project name: sesi-login
```

5. Pilih Starter templatennya tabs

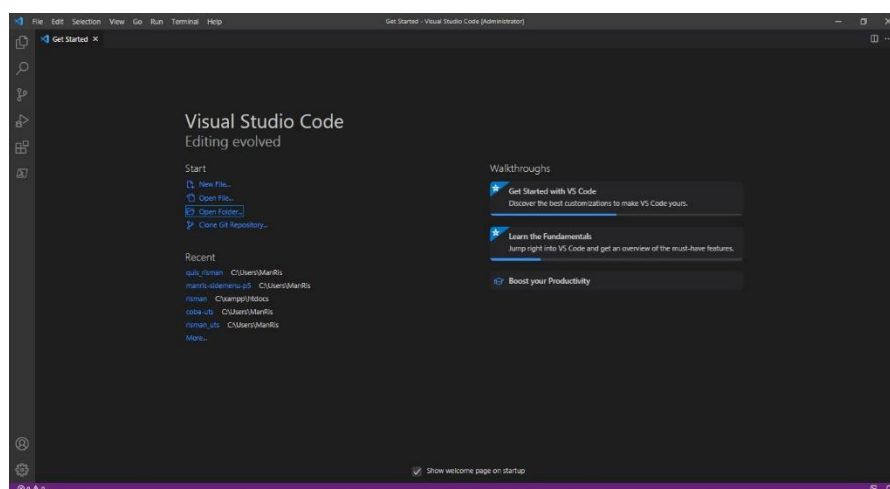
```
? Starter template: <Use arrow keys>
  tabs             : A starting project with a simple tabbed interface
  sidemenu         : A starting project with a side menu with navigation in the cont
```

6. Setelah selesai masukkan nama projectnya. Yaitu cd nama\_project
7. Lalu generate atau buat beberapa page diantaranya :
  - Membuat page login dengan perintah : **ionic g page login**
  - Membuat page register dengan perintah : **ionic g page register**
8. Install package ionic storage dengan command : **npm install --save @ionic/storage**
9. Setelah itu jalankan aplikasi dengan perintah ionic serve

```
>ionic serve
```

maka akan otomatis dialihkan kedalam browser dan muncul tampilan aplikasinya.

10. Selanjutnya untuk mengubah tampilan dan isi konten aplikasi yang kita buat adalah dengan menggunakan software Visual studio Code. Jika sudah terinstall, maka buka aplikasinya.



11. Pilih Open folder lalu select folder project yang telah dibuat

12. Buka app.component.ts dan ubah code nya seperti dibawah.

```
src > app > TS app.component.ts > AppComponent > initializeApp > then() callback
1  import { Component } from '@angular/core';
2  import { Storage } from '@ionic/storage-angular';
3  import { NavController, Platform } from '@ionic/angular';
4  //import { StatusBar } from '@ionic-native/status-bar/ngx';
5
6  @Component({
7    selector: 'app-root',
8    templateUrl: 'app.component.html',
9    styleUrls: ['app.component.scss'],
10   providers: [Storage],
11 })
12 export class AppComponent {
13   constructor(
14     private storage: Storage,
15
16     private navCtrl: NavController,
17     private platform: Platform
18     //private statusBar: StatusBar
19   ) {
20     this.initializeApp();
21   }
22
23   async initializeApp() {
24     await this.storage.create();
25     this.platform.ready().then(() => {
26       //this.statusBar.styleDefault();
27     });
28
29     this.storage.get('isLoggedIn').then((val) => {
30       if (val === null || val === undefined || val === '') {
31         this.navCtrl.navigateRoot('/login');
32       } else {
33         this.navCtrl.navigateRoot('/tabs/tabi');
34       }
35     });
36   }
37 }
38
```

13. Lalu ubah pada bagian app.module.ts

```
src > app > TS app.module.ts > AppModule
1  import { NgModule } from '@angular/core';
2  import { BrowserModule } from '@angular/platform-browser';
3  import { RouteReuseStrategy } from '@angular/router';
4  import { IonicStorageModule } from '@ionic/storage-angular';
5  import { IonicModule, IonicRouteStrategy } from '@ionic/angular';
6  //import { StatusBar } from '@ionic-native/status-bar/ngx';
7  import { AppRoutingModule } from './app-routing.module';
8  import { AppComponent } from './app.component';
9
10 @NgModule({
11   declarations: [AppComponent],
12   imports: [
13     BrowserModule,
14     IonicModule.forRoot(),
15     AppRoutingModule,
16     IonicStorageModule.forRoot(),
17   ],
18   providers: [
19     //StatusBar,
20     { provide: RouteReuseStrategy, useClass: IonicRouteStrategy },
21   ],
22   bootstrap: [AppComponent],
23 })
24 export class AppModule {}
25
```

14. Ubah code pada app – login.page.ts

```
src > app > login > TS login.page.ts > LoginPage > login
1  import { Component, OnInit } from '@angular/core';
2  import { Storage } from '@ionic/storage-angular';
3  import {
4    NavController,
5    ToastController,
6    LoadingController,
7  } from '@ionic/angular';
8  // import axios from 'axios';
9  @Component({
10   selector: 'app-login',
11   templateUrl: './login.page.html',
12   styleUrls: ['./login.page.scss'],
13 })
14 export class LoginPage implements OnInit {
15   public username: string = '';
16   public password: string = '';
17
18   constructor(
19     private navCtrl: NavController,
20     private toastCtrl: ToastController,
21     private loadingCtrl: LoadingController,
22     private storage: Storage
23   ) {}
24
25   ngOnInit() {}
26
27   async presentToast(a) {
28     const toast = await this.toastCtrl.create({
29       message: a,
30       duration: 1500,
31       color: 'danger',
32       position: 'top',
33     });
34     toast.present();
35   }
36
37   async login() {
38     if (this.username === '') {
39       this.presentToast('Username cannot be empty!');
40     } else if (this.password === '') {
41       this.presentToast('Password cannot be empty!');
42     } else {
43       const loader = await this.loadingCtrl.create({
44         message: 'Please wait...',
45       });
46       loader.present();
47       let data = {
48         username: this.username,
49         pass: this.password,
50       };
51       const header = {
52         // eslint-disable-next-line @typescript-eslint/naming-convention
53         Accept: 'application/json',
54         // eslint-disable-next-line @typescript-eslint/naming-convention
55         'Content-Type': 'application/json',
56       };
57       try {
58         const storage = await this.storage.create();
59         fetch('http://192.168.26.176:/cobalogsession/login.php', {
60           method: 'POST',
61           headers: header,
62           body: JSON.stringify(data),
63         })
64           .then((res) => res.json())
65           .then((res) => {
66             if (res.error === false) {
67               loader.dismiss();
68               storage.set('isLoggedIn', res.result);
69               localStorage.setItem('isLoggedIn', res.result);
70               this.navCtrl.navigateRoot(['/tabs/tabi']);
71             } else {
72               loader.dismiss();
73               this.presentToast(res.message);
74             }
75           })
76           .catch((error) => {
77             this.presentToast(error);
78           });
79       } catch (err) {
80         loader.dismiss();
81         this.presentToast('Something went wrong!');
82       }
83     }
84     register() {
85       this.navCtrl.navigateForward('/register');
86     }
87   }
88 }
```

\*alamat IP 192.168.26.176

Adalah localhost yang diganti dengan alamat IP Laptop Saat Tethering Hotspot ke HP. Agar bisa dilakukan pemanggilan API saat install dan run apk Di perangkat HP.

## 15. Tambahkan code pada login.page.html

```
src > app > login > login.page.html > ion-content > div.container-form-btn
1 <ion-content>
2   <div>
3     <center></center>
6   </div>
7
8   <div class="title">
9     <h3>Login</h3>
10  </div>
11
12  <ion-item class="wrap-input">
13    <ion-input [(ngModel)]="username" type="text" placeholder="Username"></ion-input>
14  </ion-item>
15
16  <ion-item class="wrap-input">
17    <ion-input [(ngModel)]="password" type="password" placeholder="Password"></ion-input>
18  </ion-item>
19
20  <div class="reg">
21    <h5>Doesn't have account?<b class="btn" (click)="register()"><u> Register </u></b></h5>
22  </div>
23
24  <div class="container-form-btn">
25    <button (click)="login()" class="form-btn custom-font"><b>LOGIN</b></button>
26  </div>
27 </ion-content>
28
```

## 16. Tambahkan code pada login.page.scss

```
src > app > login > login.page.scss > ...
1 ion-content{
2   img{
3     height: 130px;
4     margin-top: 30%;
5   }
6 }
7 ion-content{
8   --background: url('/assets/logpot.jpg');
9   position: center;
10  margin-right: 500px;
11 }
12 .custom-font {
13   font-family: 'Consolas', sans-serif;
14 }
15 .title {
16   text-align: center;
17   h3 {
18     font-family: "Segoe UI";
19     font-size: 20pt;
20   }
21   h5 {
22     font-family: "Segoe UI";
23   }
24 }
25 .reg {
26   text-align: center;
27   h3 {
28     font-family: "Segoe UI";
29     font-size: 5pt;
30   }
31   h5 {
32     font-family: "Segoe UI";
33   }
34 }
35
36 ion-content {
37   .wrap-input {
38     background-color: rgba(255, 255, 255, .8);
39     border-radius: 20px;
40     margin-bottom: 26px;
41     margin-left: 20px;
42     margin-right: 20px;
43     box-shadow: 0 10px 30px 0px rgba(0, 145, 255, 0.12);
44   }
45
46   ion-input {
47     display: block;
48     width: 100%;
49     background: transparent;
50     font-family: Consolas;
51     font-size: 18px;
52     line-height: 1.5;
53     border: none;
54     outline: none;
55     height: 46px;
56     padding: 0 20px 0 23px;
57   }
58
59   ion-toolbar{
60     --background: transparent;
61   }
62
63   .container-form-btn {
64     display: flex;
65     justify-content: center;
66   }
67
68   .form-btn {
69     display: flex;
70     justify-content: center;
71     align-items: center;
72     padding: 0 20px;
73     min-width: 160px;
74     height: 42px;
75     background-color: #394752;
76     border-radius: 20px;
77     font-size: 18px;
78     color: #FFFFFF;
79     text-transform: uppercase;
80     padding-top: 5px;
81     transition: all 0.4s;
82     box-shadow: 0 10px 30px 0px rgba(57, 71, 82, 0.5);
83   }
84
85   .form-btn:hover {
86     background-color: #28333b;
87     box-shadow: 0 10px 30px 0px rgba(57, 71, 82, 0.8);
88   }
89
90   .btn {
91     font-size: 18px;
92     color: #0b50ff;
93     text-transform: uppercase;
94   }
95
```

## 17. Ubah code pada app – register.page.html

```
src > app > register > register.page.html > ion-content
1 <ion-header>
2   <ion-toolbar>
3     <ion-buttons slot="start">
4       <ion-back-button></ion-back-button>
5     </ion-buttons>
6   </ion-toolbar>
7 </ion-header>
8
9 <ion-content>
10
11  <ion-item>
12    <ion-label position="floating">NPM</ion-label>
13    <ion-input
14      [(ngModel)]="npm"
15      type="text"
16      placeholder="Insert NPM"
17    ></ion-input>
18  </ion-item>
19
20  <ion-item>
21    <ion-label position="floating">Name</ion-label>
22    <ion-input
23      [(ngModel)]="name"
24      type="text"
25      placeholder="Insert Name"
26    ></ion-input>
27  </ion-item>
28
29  <ion-item>
30    <ion-label position="floating">Program Studi</ion-label>
31    <ion-input
32      [(ngModel)]="prodi"
33      type="text"
34      placeholder="Insert Program Studi"
35    ></ion-input>
36  </ion-item>
37
38  <ion-item>
39    <ion-label position="floating">Email</ion-label>
40    <ion-input
41      [(ngModel)]="email"
42      type="email"
43      placeholder="Insert Email"
44    ></ion-input>
45  </ion-item>
46
47  <ion-item>
48    <ion-label position="floating">Telepon</ion-label>
49    <ion-input
50      [(ngModel)]="telp"
51      type="text"
52      placeholder="Insert No. Telepon"
53    ></ion-input>
54  </ion-item>
55
56  <ion-item>
57    <ion-label position="floating">Username</ion-label>
58    <ion-input
59      [(ngModel)]="username"
60      type="text"
61      placeholder="Insert Username"
62    ></ion-input>
63  </ion-item>
64
65  <ion-item>
66    <ion-label position="floating">Password</ion-label>
67    <ion-input
68      [(ngModel)]="password"
69      type="password"
70      placeholder="Insert Password"
71    ></ion-input>
72  </ion-item>
73
74  <div class="container-form-btn">
75    <button
76      class="form-btn custom-font"
77      (click)="click()">Register</button>
78  </div>
79
80  <div class="title">
81    <h5>Already have an account? Back to
82      <b class="btn" (click)="login()"><u> Login </u></b>
83    </h5>
84  </div>
85 </ion-content>
86
```

## 18. Tambahkan code pada register.page.scss

```
src > app > register > register.page.scss > ion-content
1
2 .custom-font {
3   font-family: 'Consolas', sans-serif;
4 }
5
6 ion-content {
7
8   .container-form-btn {
9     display: flex;
10    justify-content: center;
11  }
12
13  .form-btn {
14    display: flex;
15    justify-content: center;
16    align-items: center;
17    padding: 0 20px;
18    min-width: 160px;
19    height: 42px;
20    background-color: #394752;
21    border-radius: 20px;
22    font-size: 18px;
23    color: #FFFFFF;
24    text-transform: uppercase;
25    padding-top: 5px;
26    transition: all 0.4s;
27    box-shadow: 0 10px 30px rgba(57, 71, 82, 0.5);
28  }
29
30  .form-btn:hover {
31    background-color: #28333b;
32    box-shadow: 0 10px 30px rgba(57, 71, 82, 0.8);
33  }
34
35  .btn {
36    font-size: 18px;
37    color: #0b50ff;
38    text-transform: uppercase;
39  }
40
41 }
```

## 19. Tambahkan code pada register.page.ts

```
src > app > register > register.page.ts > RegisterPage
1 import { JsonPipe } from '@angular/common';
2 import { Component, OnInit } from '@angular/core';
3 import {
4   NavController,
5   ToastController,
6   LoadingController,
7 } from '@ionic/angular';
8
9 @Component({
10  selector: 'app-register',
11  templateUrl: './register.page.html',
12  styleUrls: ['./register.page.scss'],
13 })
14 export class RegisterPage implements OnInit {
15  public npm: string = '';
16  public name: string = '';
17  public prodi: string = '';
18  public email: string = '';
19  public telp: string = '';
20  public username: string = '';
21  public password: string = '';
22  constructor(
23    private navCtrl: NavController,
24    private toastCtrl: ToastController,
25    private loadingCtrl: LoadingController
26  ) {}
27  ngOnInit() {}
28
29  async presentToast(a) {
30    const toast = await this.toastCtrl.create({
31      message: a,
32      duration: 1500,
33      color: 'danger',
34      position: 'top',
35    });
36    toast.present();
37  }
38
39  async click() {
40    if (this.npm === '' || this.name === '' || this.prodi === '' || this.email === '' ||
41      this.telp === '' || this.username === '' || this.password === '') {
42      this.presentToast('Username cannot be empty!');
43    } else if (this.password.length < 8) {
44      this.presentToast('Password must contains at least 8 characters!');
45    } else if (
46      !/[!@#%&*()_+~\[\]\{\};':"\|,.<>\|/?~]/.test(this.password) ||
47      !/[!@#%&*()_+~\[\]\{\};':"\|,.<>\|/?~]/.test(this.password)
48    ) {
49      this.presentToast('Use at least 1 special character and no space!');
50    } else {
51      const loader = await this.loadingCtrl.create({
52        message: 'Please Wait...',
53      });
54      loader.present();
55
56      const header = {
57        // eslint-disable-next-line @typescript-eslint/naming-convention
58        Accept: 'Application/json',
59        // eslint-disable-next-line @typescript-eslint/naming-convention
60        'Content-Type': 'Application/json',
61      };
62    }
63  }
64 }
```

```
61
62 const data = {
63   npm: this.npm,
64   name: this.name,
65   prodi: this.prodi,
66   email: this.email,
67   telp: this.telp,
68   username: this.username,
69   pass: this.password,
70 };
71 try {
72   fetch('http://192.168.26.176:/cobalogsession/register.php',
73     method: 'POST',
74     headers: header,
75     body: JSON.stringify(data),
76   )
77   .then((res) => res.json())
78   .then((res) => {
79     if (res === 'success') {
80       loader.dismiss();
81       this.navCtrl.navigateRoot('/login');
82     } else {
83       loader.dismiss();
84       this.presentToast(res);
85     }
86   })
87   .catch((error) => console.log(error));
88 } catch (err) {
89   loader.dismiss();
90   this.presentToast('Something went wrong!');
91 }
92
93
94 login() {
95   this.navCtrl.navigateBack('/login');
96 }
97
98
99 }
```

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20. Step selanjutnya adalah mengubah code pada tabs.page.html

```
src > app > tabs > tabs.page.html > ion-tabs > ion-tab-bar > ion-tab-button > ion-icon
1 <ion-tabs>
2
3   <ion-tab-bar slot="bottom">
4     <ion-tab-button tab="tab1">
5       <ion-icon name="person"></ion-icon>
6       <ion-label>Card</ion-label>
7     </ion-tab-button>
8
9     <ion-tab-button tab="tab2">
10      <ion-icon name="school"></ion-icon>
11      <ion-label>Academic</ion-label>
12    </ion-tab-button>
13
14    <ion-tab-button tab="tab3">
15      <ion-icon name="information-circle"></ion-icon>
16      <ion-label>Information</ion-label>
17    </ion-tab-button>
18  </ion-tab-bar>
19
20 </ion-tabs>
21
```

21. Lalu masuk ke tab1.page.html dan masukkan code dibawah

```
src > app > tab1 > tab1.page.html > ion-content > div.container
1 <ion-content>
2
3   <ion-header>
4     <ion-toolbar class="ion-toolbar">
5       <ion-title> Student Card </ion-title>
6     </ion-toolbar>
7   </ion-header>
8
9   <div class="container">
10     <div class="overlay">
11       <ion-avatar>
12         
13       </ion-avatar>
14     </div>
15   </div>
16
17   <ion-card>
18     <ion-card>
19       
20     </ion-card>
21     <ion-card-header>
22       <ion-card-title> {{name}} </ion-card-title>
23       <ion-card-subtitle> {{npm}} </ion-card-subtitle>
24       <ion-card-subtitle> {{prodi}} </ion-card-subtitle>
25     </ion-card-header>
26
27   <ion-card-content>
28     <ion-item lines="none">
29       <ion-icon name="mail"> </ion-icon>
30       <ion-label> {{mail}} </ion-label>
31     </ion-item>
32     <ion-item lines="none">
33       <ion-icon name="call"> </ion-icon>
34       <ion-label> {{telp}} </ion-label>
35     </ion-item>
36   </ion-card-content>
37
38   <ion-card>
39     
40   </ion-card>
41 </ion-card>
42
43 </ion-content>
```

22. Ubah code pada tab1.page.scss

```
src > app > tab1 > tab1.page.scss > ...
1
2 ion-content {
3   --ion-background-color: rgb(40, 69, 255);
4 }
5
6 ion-header {
7   position: absolute;
8   --ion-background-color: rgb(40, 69, 255);
9 }
10
11 .ion-toolbar {
12   --ion-background-color: rgb(255, 255, 255);
13   --opacity: 0;
14 }
15
16 ion-title {
17   font-size: 20px;
18   font-family: "Times New Roman", Times, serif;
19   font-style: normal;
20   font-weight: lighter;
21   color: rgb(0, 0, 0);
22 }
23
24 .container {
25   width: 100%;
26   height: 140px;
27   display: block;
28   background-color: white;
29 }
30
31 .overlay {
32   position: relative;
33   text-align: center;
34   top: 48%;
35 }
36
37 ion-avatar {
38   height: 130px;
39   width: 130px;
40   margin: auto;
41   border: 4px solid rgb(40, 69, 255);
42 }
43
44 ion-card {
45   margin-top: 40px;
46   background-color: transparent;
47   box-shadow: none;
48   text-align: center;
49 }
50
51 ion-item {
52   --ion-item-background: #536c77;
53   text-align: center;
54   color: #c2c3c4;
55   font-family: "Gill Sans", "Gill Sans MT", Calibri,
56   "Trebuchet MS", sans-serif;
57   font-style: italic;
58   font-weight: 400;
59   font-size: 14px;
60   border-radius: 5px;
61   height: 35px;
62   --min-height: 35px;
63   margin-bottom: 15px;
64 }
65
66 ion-label {
67   text-align: center;
```



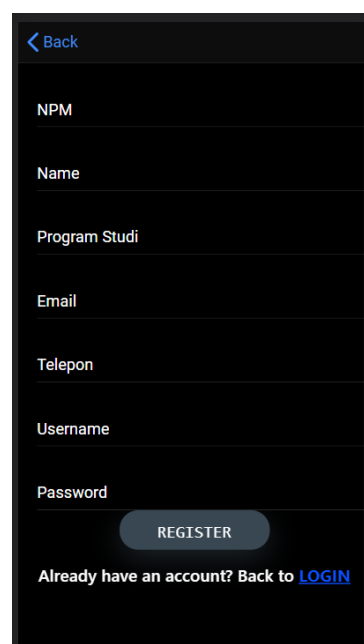
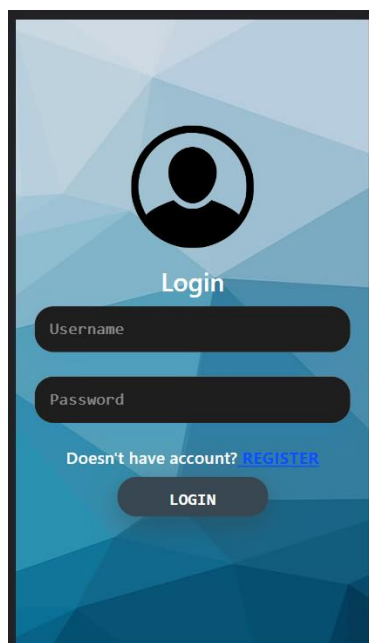
23. Pada bagian tab1.page.ts tambahkan code dibawah ini

```
src > app > tab1 > TS tab1.page.ts > Tab1Page > getPhoto > then() callback
1 import { Component } from '@angular/core';
2 import { Storage } from '@ionic/storage-angular';
3 @Component({
4   selector: 'app-tab1',
5   templateUrl: 'tab1.page.html',
6   styleUrls: ['tab1.page.scss'],
7 })
8 export class Tab1Page {
9   public photo: string;
10  public name: string;
11  public npm: string;
12  public prodi: string;
13  public code: string;
14  public mail: string;
15  public telp: string;
16  constructor(private storage: Storage) {
17    this.getPhoto();
18  }
19
20  async getPhoto(){
21    await this.storage.create();
22    this.storage.get('isLoggedIn').then((val) => {
23      console.log(val);
24      this.name = val.nama;
25      this.npm = val.npm;
26      this.prodi = val.prodi;
27      this.photo = `http://192.168.26.176:/cobalogsession/assets/${val.image}`;
28      this.code = `http://192.168.26.176:/cobalogsession/assets/${val.barcode}`;
29      this.mail = val.email;
30      this.telp = val.telp;
31    });
32  }
33 }
34
```

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#### D. Build Android Apk

1. Buka Command Prompt.
2. Masuk ke dalam folder kita dengan menginput ( cd/ --nama\_project ).
3. Setelah masuk lalu Run Project untuk membuild Apk dengan perintah :  
**ionic cordova build android**
4. Setelah berhasil coba Install Project Apk di HandPhone kita untuk menguji keberhasilan Project yang kita buat.
5. Kirimkan file bernama App-Debug-Apk ke HandPhone dan install di HandPhone kita.
6. Setelah berhasil install masuk ke dalam aplikasi dan coba Login ataupun Register pada Apk yang kita bangun. Jika berhasil maka halaman login dan Register akan terlihat seperti dibawah ini :





7. Jika berhasil kita akan dapat masuk ke dalam halaman “Card” pada Tab1 ( Student Card ) kita dapat melihat Profile Mahasiswa dan QR Code seperti dibawah ini :

