

NAME : SPARSH SHARMA

ROLL NO. : 68

REGISTRATION NO. : 12310922

CA1 CSE225

9:41

▲ ◆ 100%

CA1 CSE225

LOADING APP



9:41

100%

Courses

Android Development

Duration: 3 Months



Cyber Security

Duration: 4 Months



Data Science

Duration: 6 Months



Web Development

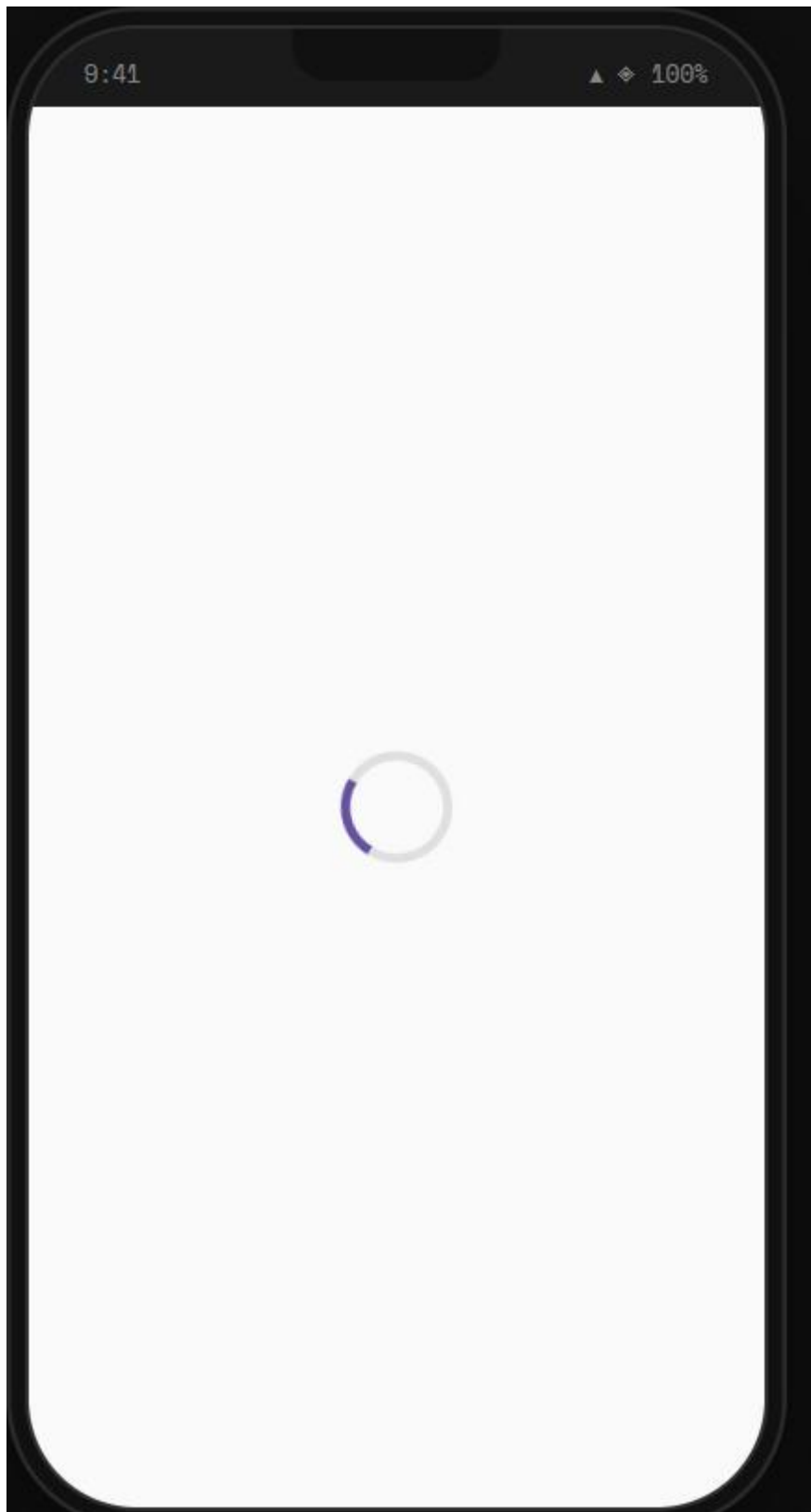
Duration: 5 Months



AI & ML

Duration: 6 Months





MAIN Activity

```
package com.sparsh.ca1cse225
```

```
import android.os.Bundle
```

```
import androidx.activity.ComponentActivity
```

```
import androidx.activity.compose.setContent
```

```
import androidx.compose.runtime.*
```

```
import androidx.compose.material3.*
```

```
import androidx.compose.foundation.layout.*
```

```
import androidx.compose.foundation.lazy.LazyColumn
```

```
import androidx.compose.foundation.lazy.items
```

```
import androidx.compose.ui.Alignment
```

```
import androidx.compose.ui.Modifier
```

```
import androidx.compose.ui.unit.dp
```

```
import kotlinx.coroutines.delay
```

```
class MainActivity : ComponentActivity() {
```

```
    override fun onCreate(savedInstanceState: Bundle?) {
```

```
        super.onCreate(savedInstanceState)
```

```
        setContent {
```

```
            CA1CSE225App()
```

```
        }
```

```
    }
```

```
}
```

```
@Composable
```

```
fun CA1CSE225App() {
```

```
    var showSplash by remember { mutableStateOf(true) }
```

```
    if (showSplash) {
```

```

        SplashScreen {
            showSplash = false
        }
    } else {
        CourseListScreen()
    }
}

```

@Composable

```

fun SplashScreen(onTimeout: () -> Unit) {

```

```

    LaunchedEffect(Unit) {
        delay(3000)
        onTimeout()
    }

```

```

    Box(
        modifier = Modifier.fillMaxSize(),
        contentAlignment = Alignment.Center
    ) {
        Text(
            text = "CA1 CSE225",
            style = MaterialTheme.typography.headlineLarge
        )
    }
}

```

```

data class Course(
    val name: String,
    val duration: String,
    val rating: Int

```

)

```
val courseList = listOf(  
    Course("Android Development", "3 Months", 5),  
    Course("Cyber Security", "4 Months", 4),  
    Course("Data Science", "6 Months", 5),  
    Course("Web Development", "5 Months", 3),  
    Course("AI & ML", "6 Months", 4)  
)
```

@Composable

```
fun CourseListScreen() {
```

```
    var loading by remember { mutableStateOf(true) }
```

```
    LaunchedEffect(Unit) {
```

```
        delay(2000)
```

```
        loading = false
```

```
    }
```

```
    if (loading) {
```

```
        Box(  
            modifier = Modifier.fillMaxSize(),  
            contentAlignment = Alignment.Center  
        ){
```

```
            CircularProgressIndicator()  
        }
```

```
    } else {
```

```
        LazyColumn(  
            modifier = Modifier
```

```
                .fillMaxSize()
```

```

        .padding(16.dp)
    ){
        items(courseList) { course ->
            CourseItem(course)
        }
    }
}
}

```

@Composable

```
fun CourseItem(course: Course) {
```

```

    Card(
        modifier = Modifier
            .fillMaxWidth()
            .padding(vertical = 8.dp)
    ){
        Column(
            modifier = Modifier.padding(16.dp)
        ){
            Text(
                text = course.name,
                style = MaterialTheme.typography.titleLarge
            )

            Text(text = "Duration: ${course.duration}")

            RatingBar(rating = course.rating)
        }
    }
}

```


@Composable

fun RatingBar(rating: Int) {

Row {

for (i in 1..5) {

if (i <= rating)

Text("★")

else

Text("☆")

}

}

}

ANDROID.MANIFEST

<manifest xmlns:android="http://schemas.android.com/apk/res/android">

<application

android:label="CA1 CSE225"

android:theme="@style/Theme.CA1CSE225">

<activity

android:name=".MainActivity"

android:exported="true">

<intent-filter>

<action android:name="android.intent.action.MAIN"/>

<category android:name="android.intent.category.LAUNCHER"/>

</intent-filter>

</activity>

</application>

</manifest>