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CA1 CSE225

9:41

▲ ◆ 100%

**CA1**  
**CSE225**

LOADING APP



9:41

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## Courses

### Android Development

Duration: 3 Months



### Cyber Security

Duration: 4 Months



### Data Science

Duration: 6 Months



### Web Development

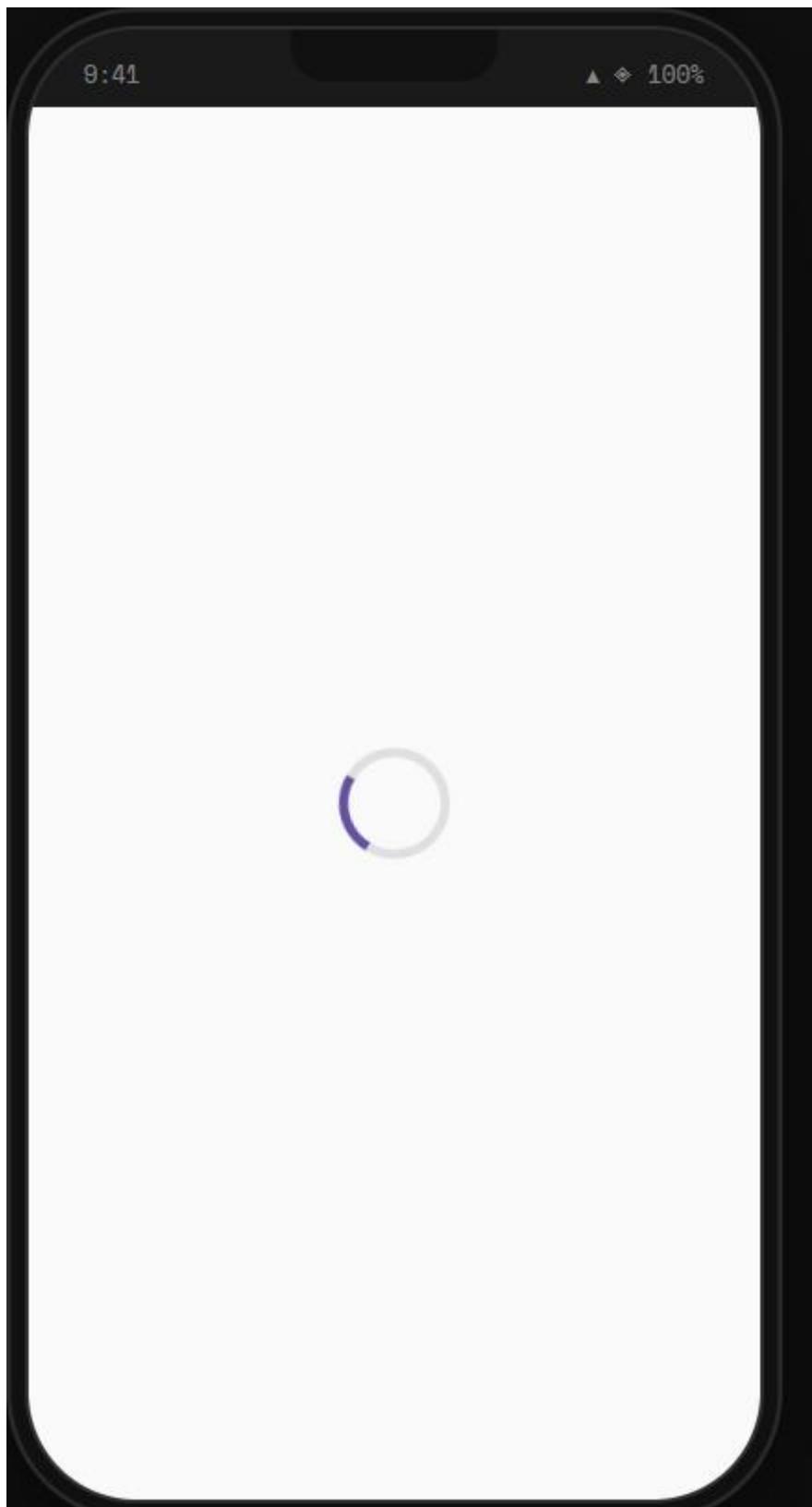
Duration: 5 Months



### 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>
```

</application>

</manifest>