Aries and Gemini Tarot

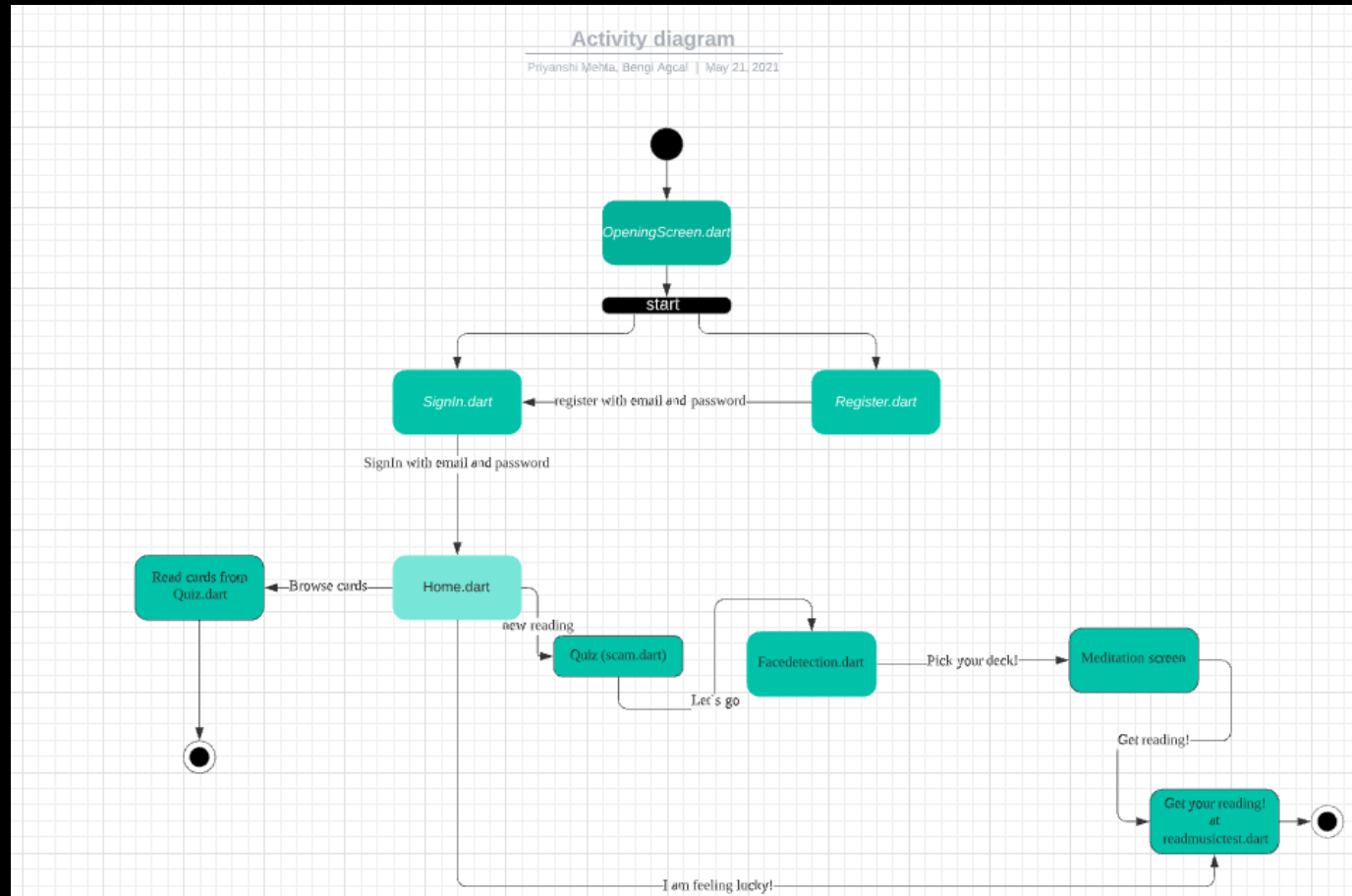## COMP4521 Final App Project Demo

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Intro and Features

- Tarot is an ancient practice of using a special deck of cards to gain insight into the past, present, and future.

- apps currently still cannot replace genuine experience

  - Lack personal touch

  - Focus on educating, not providing accurate readings

- Address shortcoming and come up with an app that addressed the shortcoming of current tarot apps
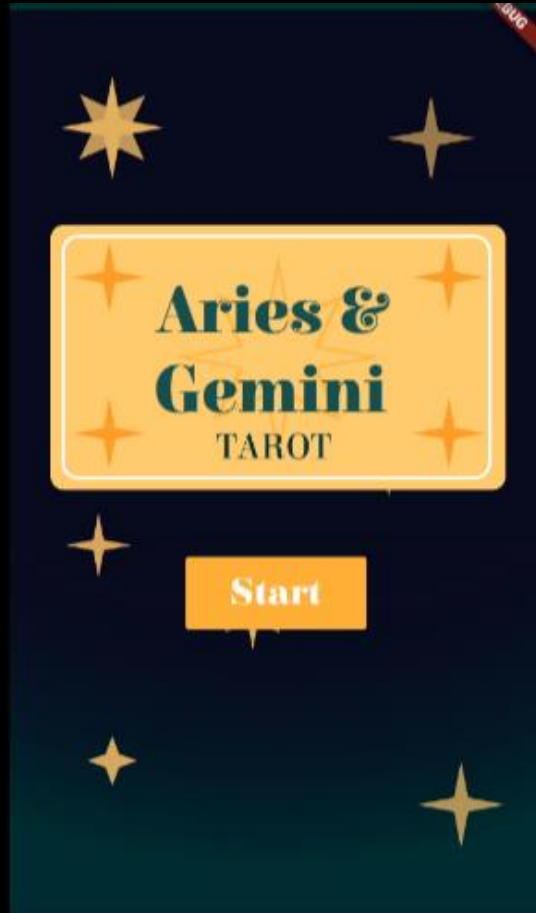
App UI Flow

Activity diagram
Priyanshi Mehta, Bengi Agcal | May 21, 2021

OpeningScreen.dart

start

SignIn.dart ←register with email and password— Register.dart

SignIn with email and password

Read cards from Quiz.dart ←Browse cards— Home.dart

new reading

Quiz (scam.dart)

Let's go

Facedetection.dart —Pick your deck!→ Meditation screen

Get reading!

Get your reading! at readmusictest.dart

I am feeling lucky!

App Screens and their Uses

- OpeningScreen – the screen that greets you

- SignIn/Register screen – authentication

- Home screen – navigate to new readings, I am feeling lucky, browse cards

- Quiz screen – tell us about your day and preferences

- Face detection screen – let us see how happy you are today!

- Meditation screen – pick your cards

- Reading screen – get your reading for the day, and understand what the cards mean

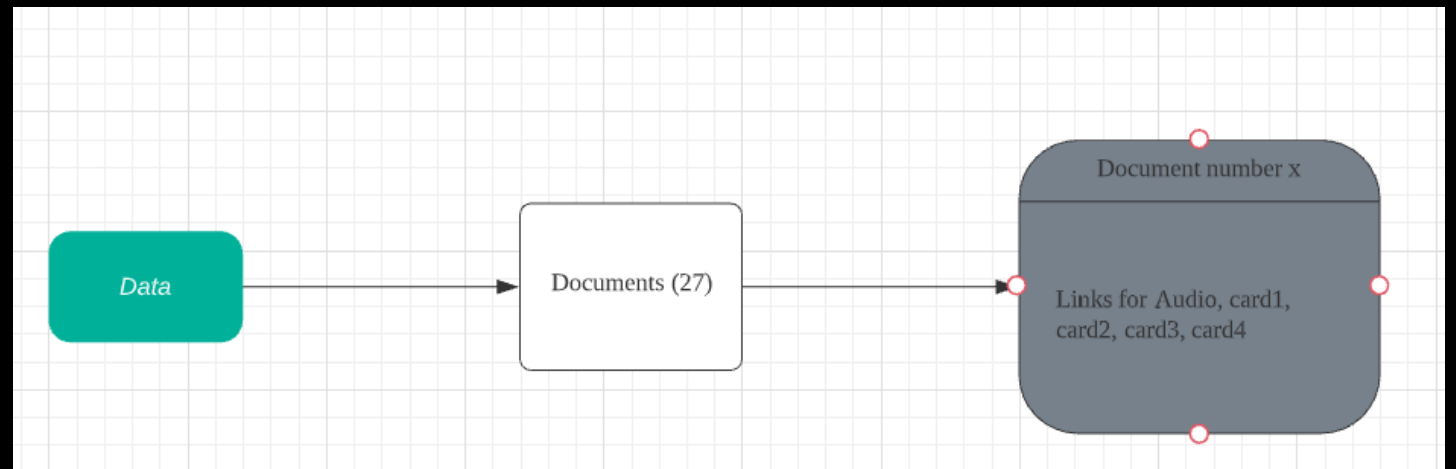- Browse cards screen – learn more about the tarot cards here

Demo

- Opening screen

- Registration and authentication

- Quiz, selfie and reading

Firebase Firestore

Testing

- Widget_testing.dart – testing UI of the App

- Testing the authentication class – made a mock Auth class to test

- Testing the Database

- Created a testdata.dart – check the connection with firebase console

- Made sure that data could be retrieved and sent over the app


```
✔ Tests passed: 2 of 2 tests – 1 s 301 ms
Testing started at 12:05 PM ...
C:\flutter\bin\flutter.bat --no-color test --machine --start-paused test\widget_test.dart

Bad state: No user
```



```dart
class testdata extends StatefulWidget {
  @override
  _testdata createState() => _testdata();
}

class _testdata extends State<testdata> {
  final FirebaseFirestore firestore = FirebaseFirestore.instance;

  void _create() async {

    try {
      await firestore.collection('users').doc('testusers').set({
        'firstName': 'John',
        'lastName': 'Peter',
      });
    } catch (e) {
      print(e);
    }
    print("end");
  }
  void _read() async {
    DocumentSnapshot documentSnapshot;
```

Conclusion

- Did we do what we set out to do?
  - Yes, mostly covered everything, authentication, UI, face and emotion detection and create algorithm for the decks

- What could we have done better
  - More testing
  - Better, newer libraries
  - App takes some time to execute and run
  - Crashes after some time

- What for the future?
  - Animations, expanded database, ML for the algorithm, more moods to detect