import 'package:flutter/material.dart';  
import 'package:flutter\_test/flutter\_test.dart';  
import 'package:flutter\_work/main.dart';  
import 'package:flutter\_work/redux/store.dart';  
  
void main() {  
 testWidgets('Test presence of text field', (WidgetTester tester) async {  
  
 await tester.pumpWidget(DictionaryApp(store: store));  
  
 expect(find.byType(TextField), findsOneWidget);  
 });  
}

import 'dart:convert';  
  
import 'package:flutter/material.dart';  
import 'package:flutter\_test/flutter\_test.dart';  
import 'package:flutter\_work/main.dart';  
import 'package:flutter\_work/redux/store.dart';  
import 'package:flutter\_work/ui/BookDetailPage.dart';  
import 'package:flutter\_work/ui/search\_result\_widget.dart';  
import 'package:http/http.dart' as http;  
import 'package:mockito/mockito.dart';  
  
  
import 'package:flutter\_work/models/document.dart';  
  
class MockClient extends Mock implements http.Client {}  
  
void main() {  
 testWidgets('Navigation test', (WidgetTester tester) async {  
  
 final mockClient = MockClient();  
  
 final fakeDocument = Document(  
 titleSuggest: 'Book 1',  
 authorName: ['Author 1'],  
 firstPublishYear: 2020,  
 publisher: ['Publisher 1'],  
 language: ['English'],  
 );  
  
 await tester.pumpWidget(DictionaryApp(store: store,));  
  
 await tester.tap(find.text('SEARCH'));  
  
 final fakeResponse = http.Response(json.encode({  
 "start": 0,  
 "numFound": 1,  
 "docs": [fakeDocument.toJson()]  
 }), 200);  
  
 when(mockClient.get(Uri.*parse*('https://api.example.com/books')))  
 .thenAnswer((\_) async => fakeResponse);  
  
 await tester.pumpAndSettle();  
  
 await tester.tap(find.byWidgetPredicate(  
 (widget) => widget is SearchResultWidget && widget.document == fakeDocument));  
  
 await tester.pumpAndSettle();  
  
 expect(find.byType(BookDetailPage), findsOneWidget);  
 });  
}

import 'package:flutter\_test/flutter\_test.dart';  
import 'package:flutter\_work/main.dart';  
import 'package:flutter\_work/redux/store.dart';  
  
void main() {  
 testWidgets('Test app startup', (WidgetTester tester) async {  
  
 await tester.pumpWidget(DictionaryApp(store: store,));  
  
 expect(find.text('Search for Books...'), findsOneWidget);  
  
 });  
}

import 'package:flutter/material.dart';  
import 'package:flutter\_test/flutter\_test.dart';  
import 'package:flutter\_work/main.dart';  
import 'package:flutter\_work/redux/store.dart';  
  
void main() {  
 testWidgets('Test button press', (WidgetTester tester) async {  
  
 await tester.pumpWidget(DictionaryApp(store: store,));  
  
  
 expect(find.byType(ElevatedButton), findsOneWidget);  
  
  
 await tester.tap(find.byType(ElevatedButton));  
 await tester.pump();  
  
 expect(find.text('Button SEARCH pressed'), findsOneWidget);  
 });  
}