

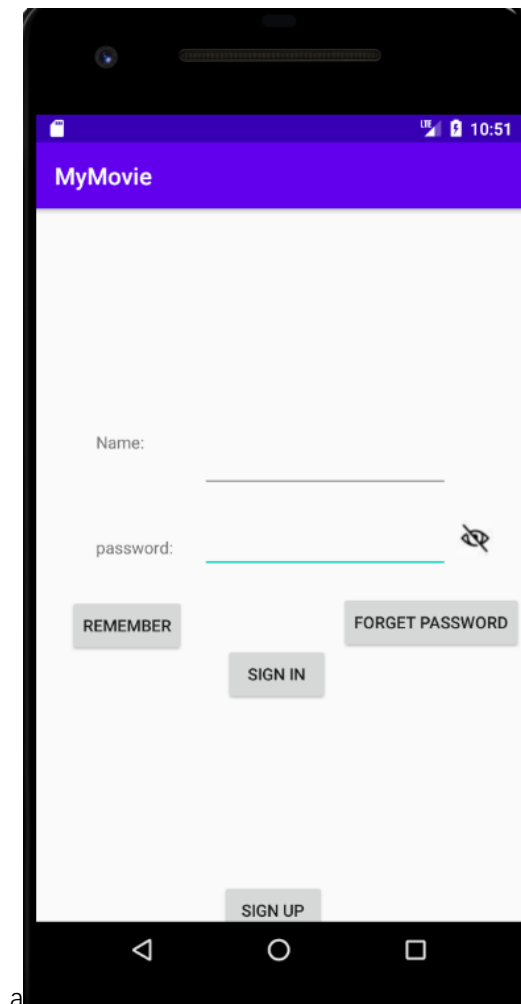


### ASSESSMENT COVER SHEET

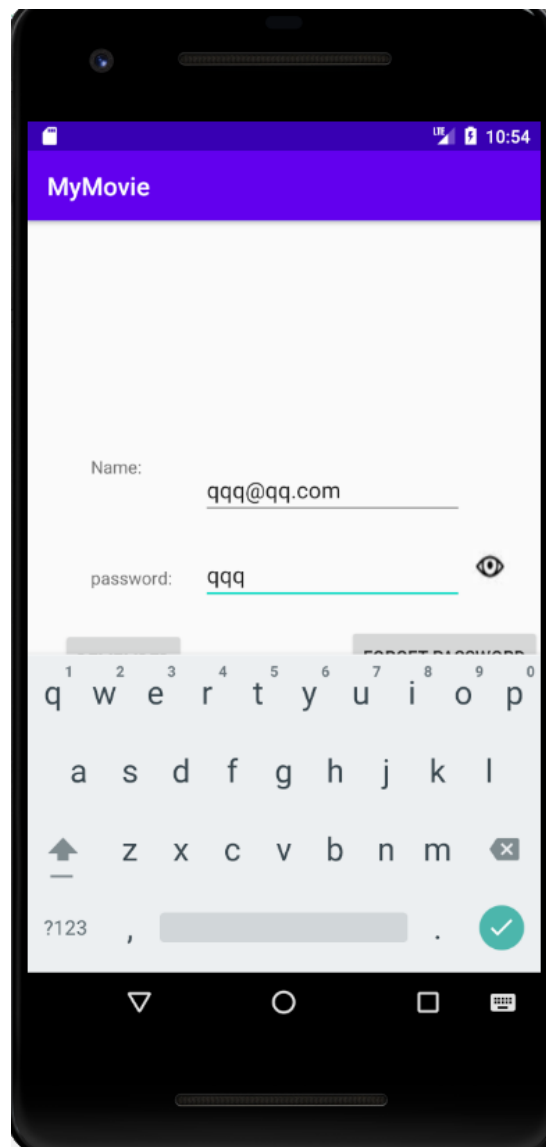
Student ID number	3	Unit Name and Code:	FIT5046mobile and distributed computing systems		
	0	Campus:	Suzhou		
	9	Assignment Title:	Practical Assignment (Server-Side)		
	8	Name of Lecturer:	Vincent Lee		
	9	Name of Tutor:	Vincent Lee		
	0	Tutorial Day and Time:	Tuesday 1-5 pm		
	3	Phone Number:	18782123944		
	5	Email Address:	3158874848@qq.com		
Given Name	H	Has any part of this assignment been previously submitted as part of another unit/course? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	o	Due Date:	2020-05-31	Date Submitted:	2020-05-31
	n	All work must be submitted by the due date. If an extension of work is granted this must be specified with the signature of the lecturer/tutor.			
Family name	g	Extension granted until (date) _____ Signature of lecturer/tutor _____			
	h	Please note that it is your responsibility to retain copies of your assessments.			
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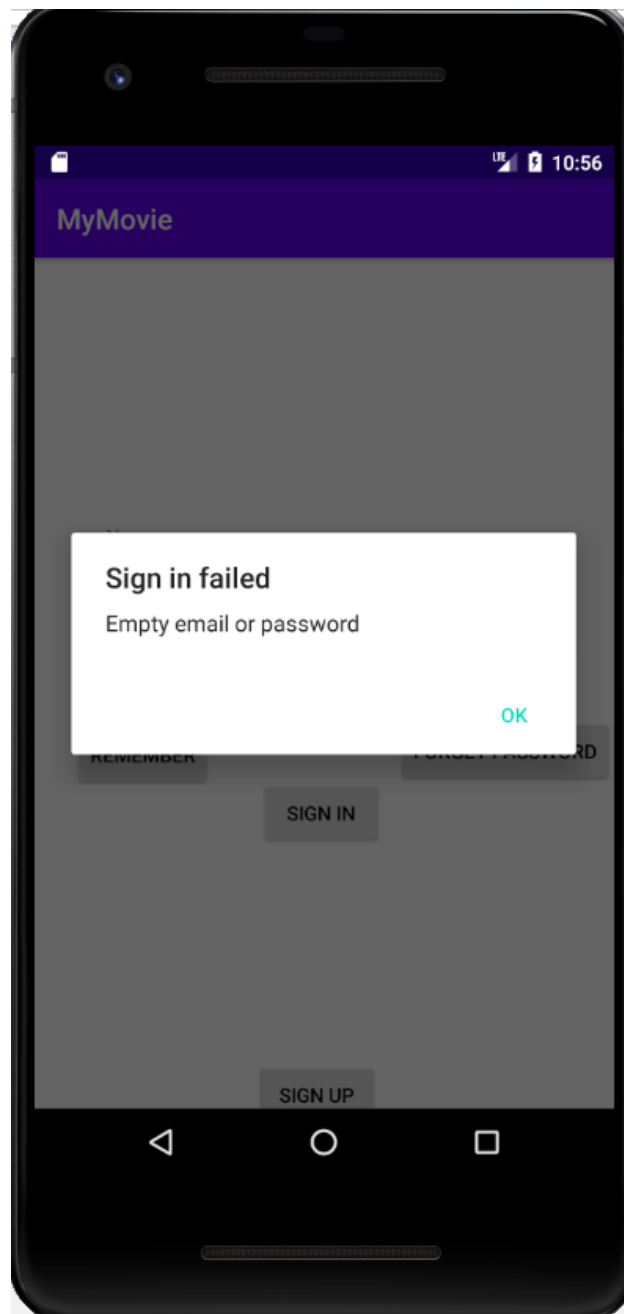
# Task 1



sign in view



The password can be hide or show



If password is empty

## Task 2:

The image shows a mobile application interface for a sign-up screen. At the top, there is a status bar with a signal strength indicator, a battery icon, and the time 10:56. Below the status bar is a purple header bar with the text "MyMovie". The main content area is white and contains several form fields:

- Name:** A text input field with a red cursor at the start.
- Surname:** A text input field.
- Email:** A text input field.
- Gender:** Two radio button options: "man" and "woman".
- Dob:** A date picker showing months (Jan, Feb, Mar) and years (29, 01, 02, 1999, 2000, 2001).
- Address:** A text input field.
- State:** A dropdown menu currently showing "New South Wales".
- Postcode:** A text input field.

At the bottom of the screen is a black navigation bar with three white icons: a back arrow, a circle, and a square.

Sign up screen

MyMovie

Name: qiu

Surname:

Email:

Gender: Victoria man

Dob: 1999  
2000  
2001

Address:

State: New South Wales

Postcode:

Password:

BUTTON

Use spinner and datepicker

**MyMovie**

Name:

Surname:

Email:

**Sign up failed**

Existed email

OK

State:

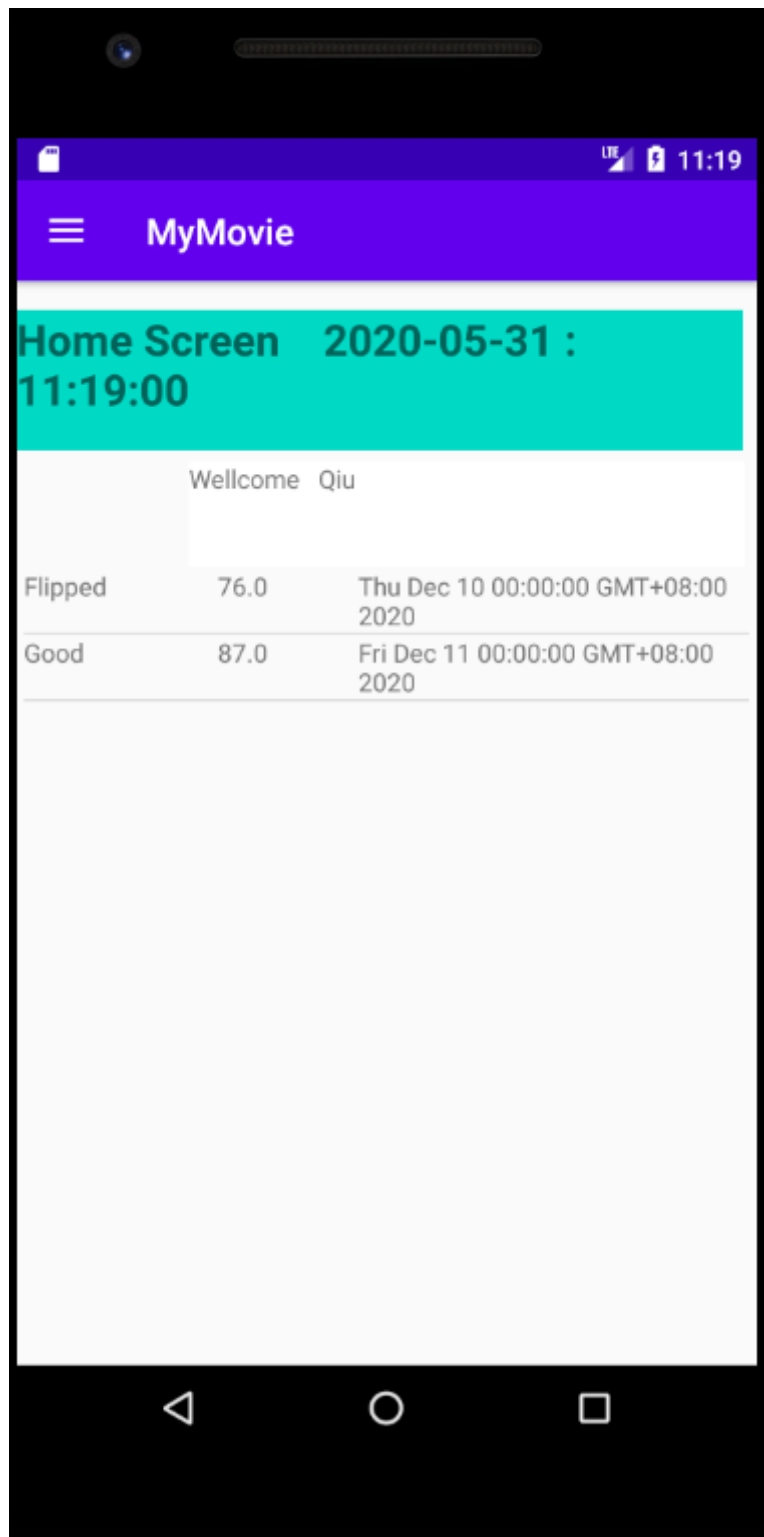
Postcode:

Password:

BUTTON

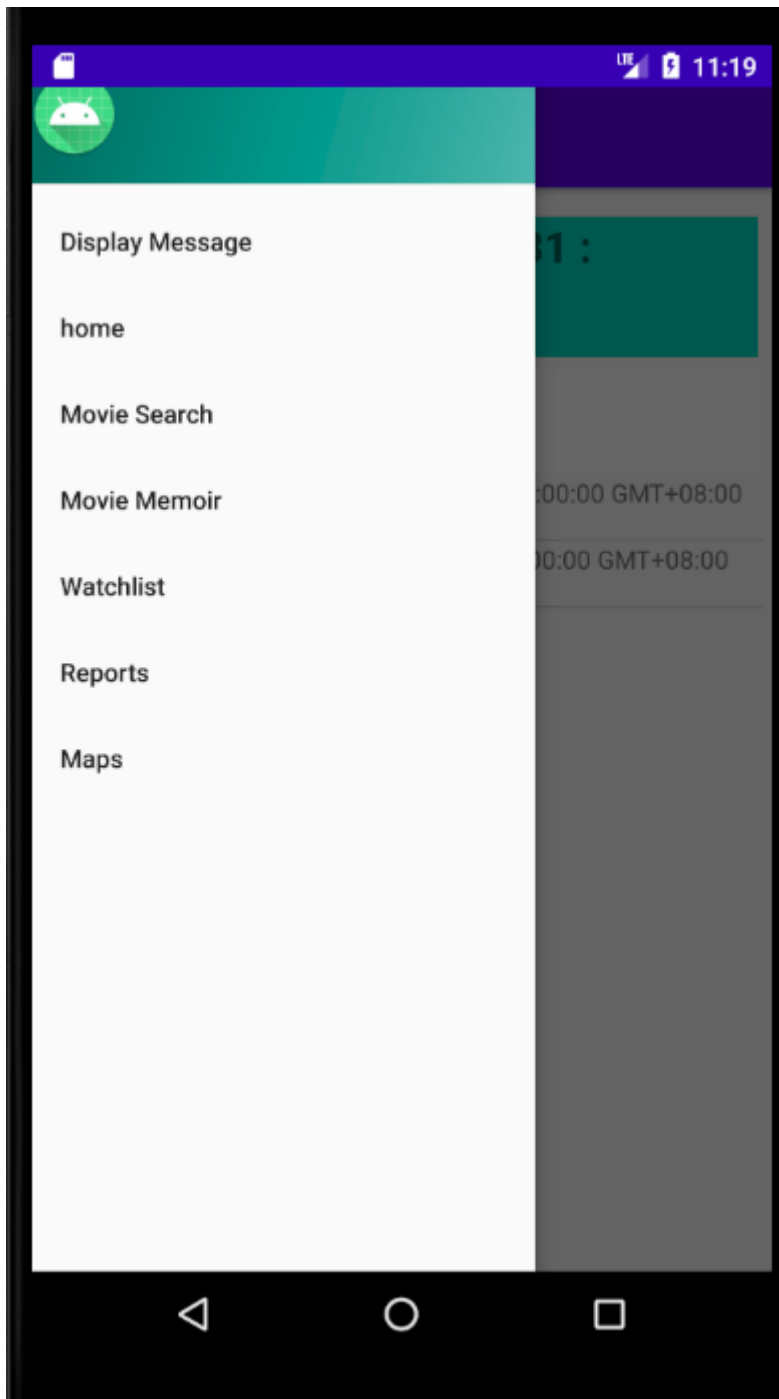
If email existed

## Task 3



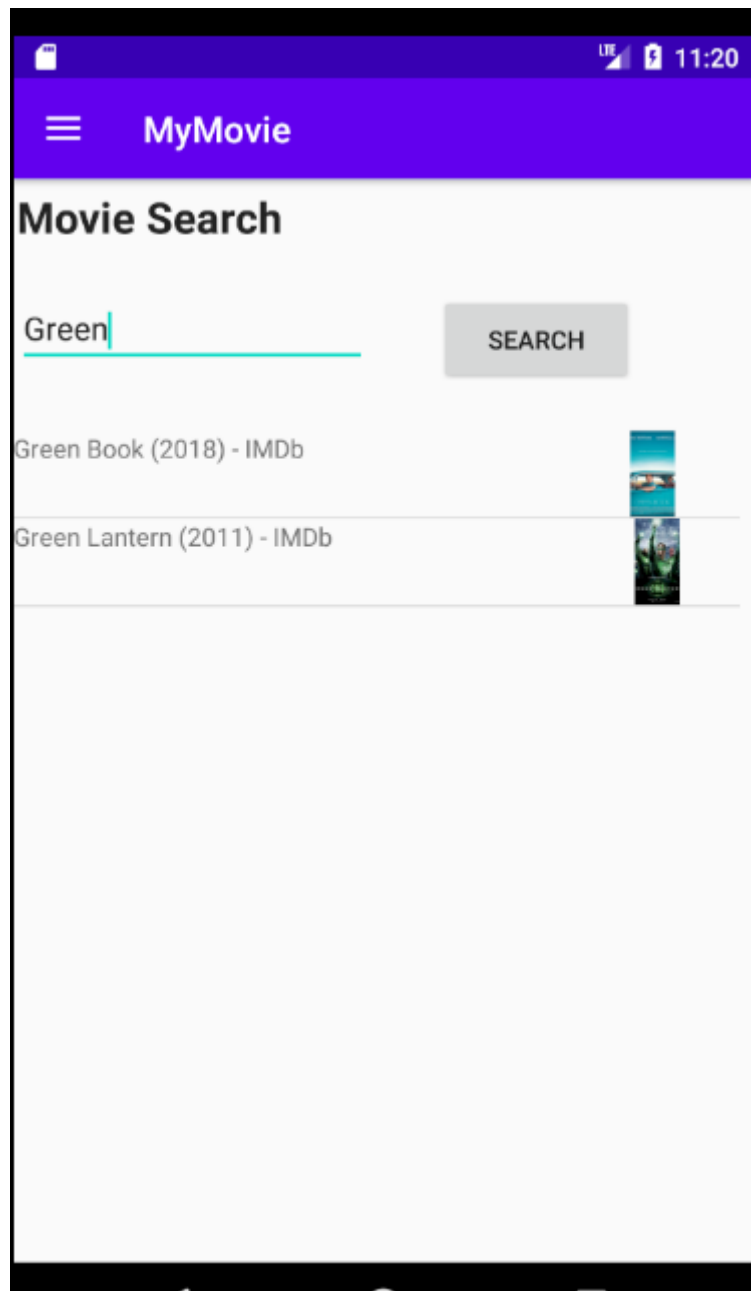
Home screen



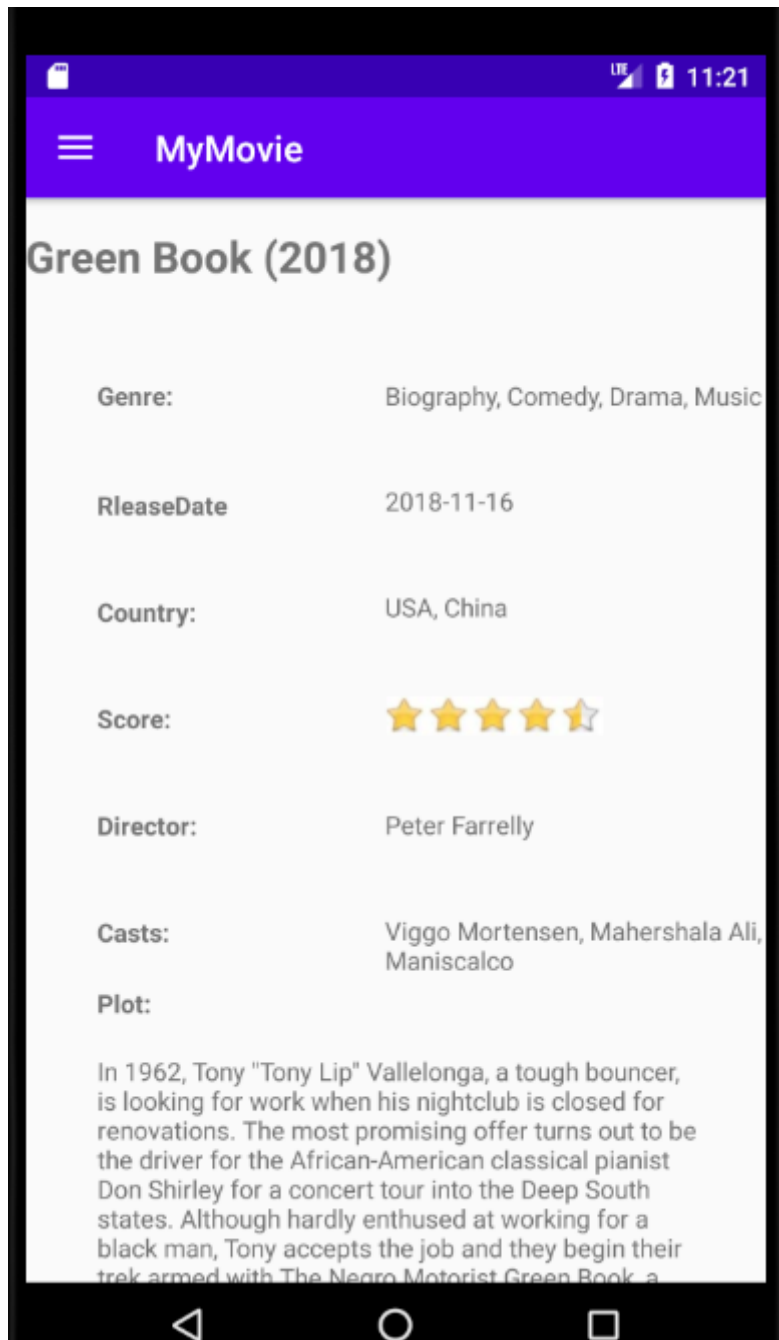


Navigation var

## Task 4

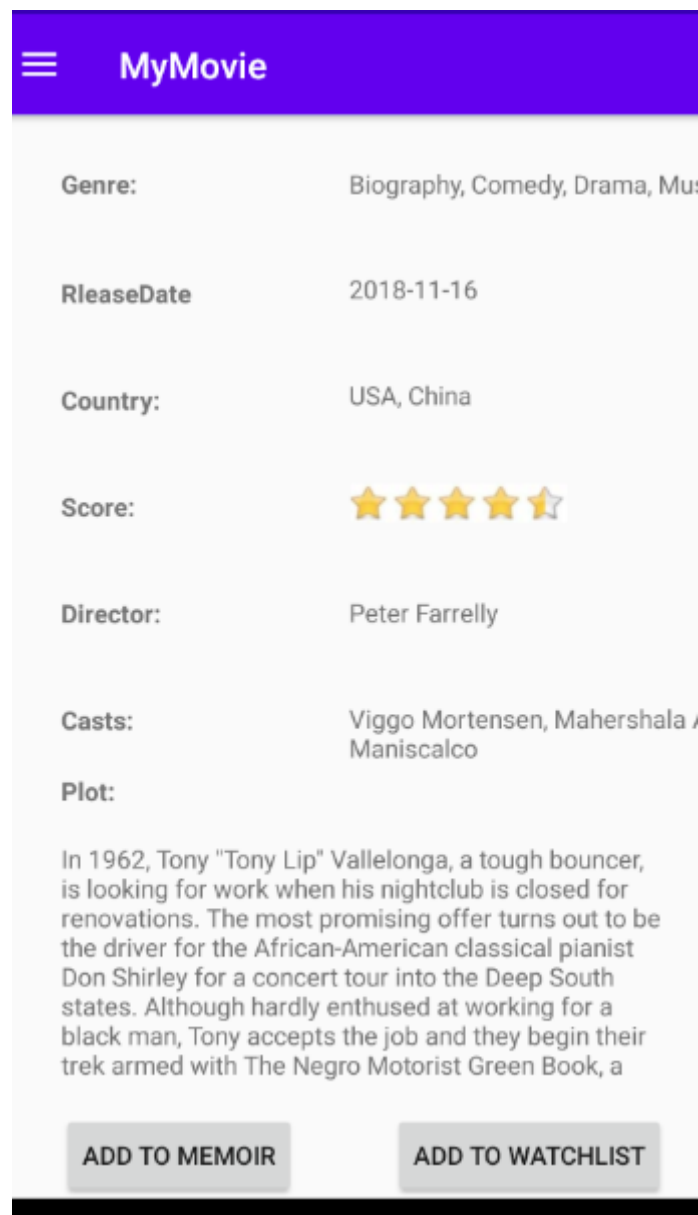


Use Google Search to search and show the result by list view



After select redirect fragment to movieView to get the detail  
These messages are got by Imdb APi

## Task 5



Two options: this time select add to watchlist

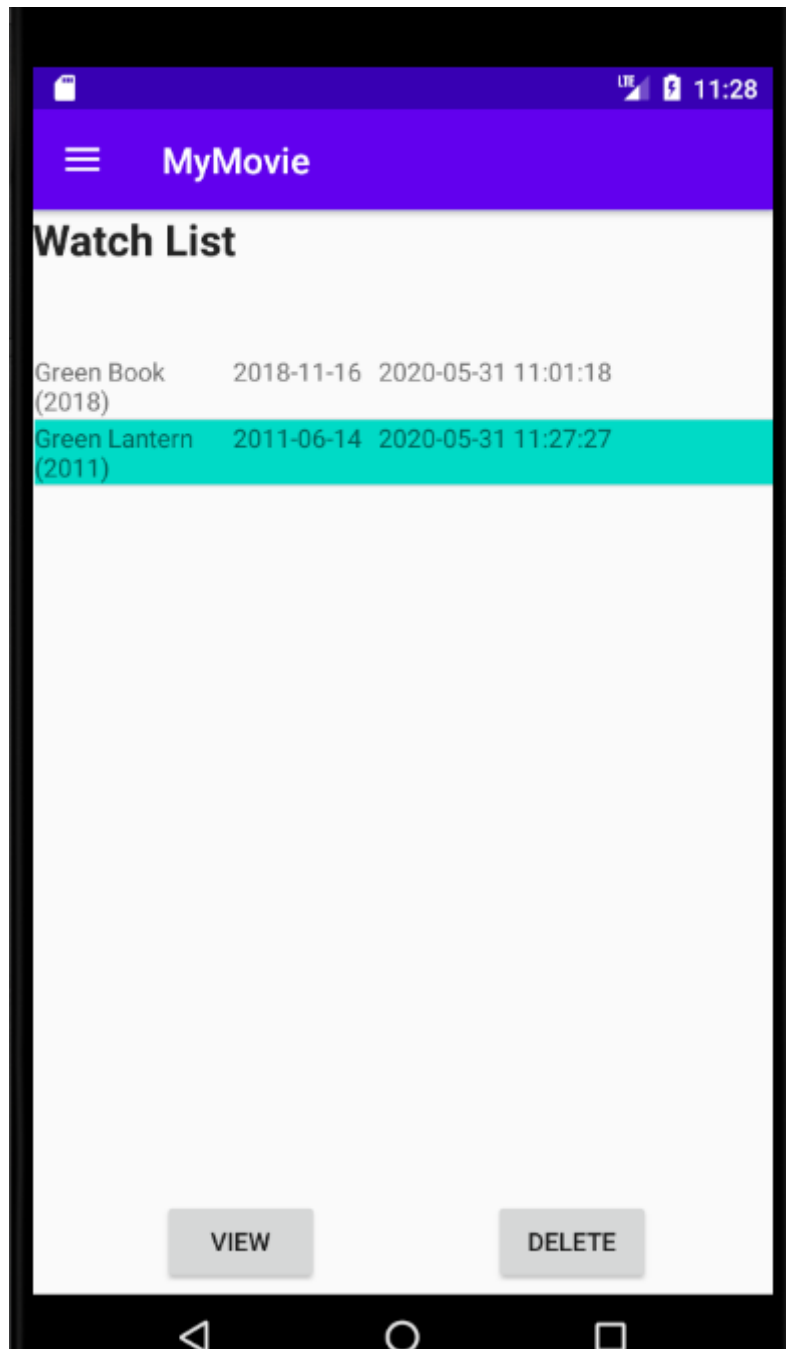
## Task 6



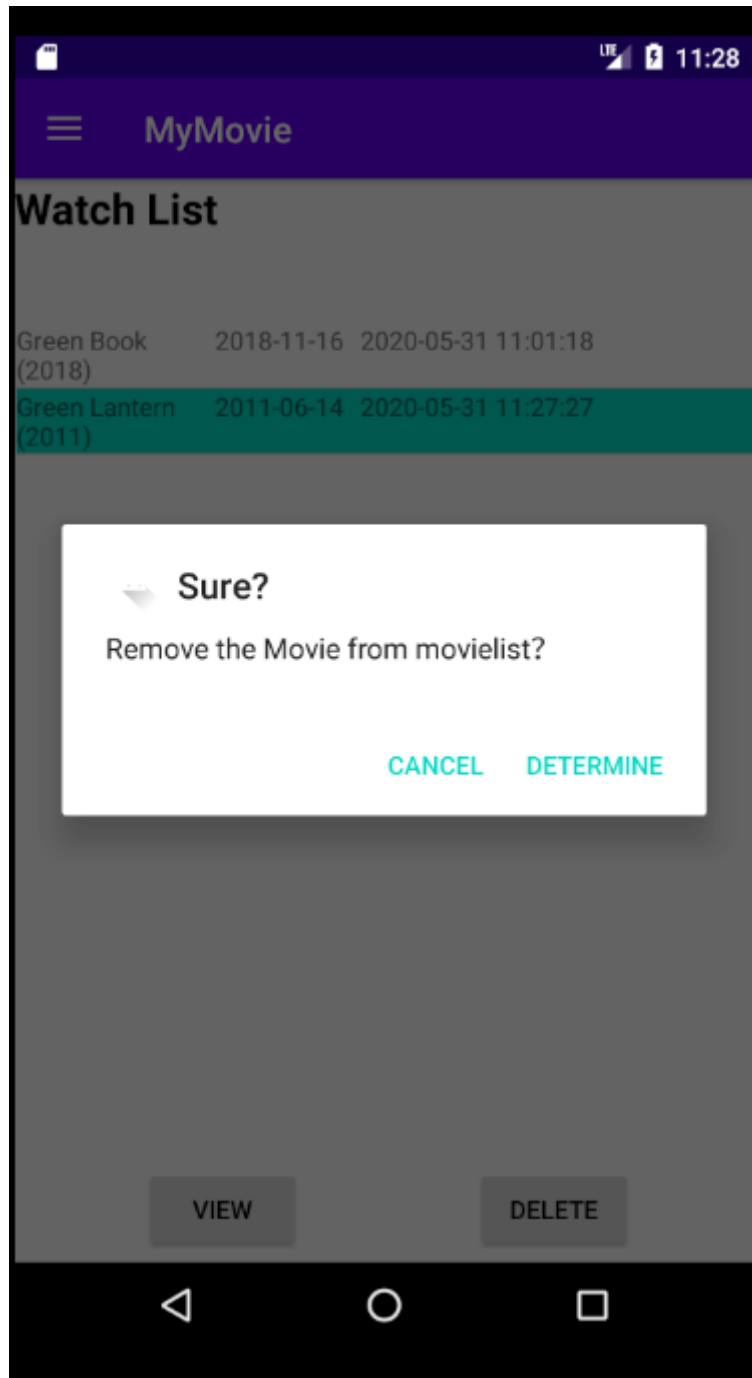
As you can see, we successfully add the movie



Now we have two movies in watch list

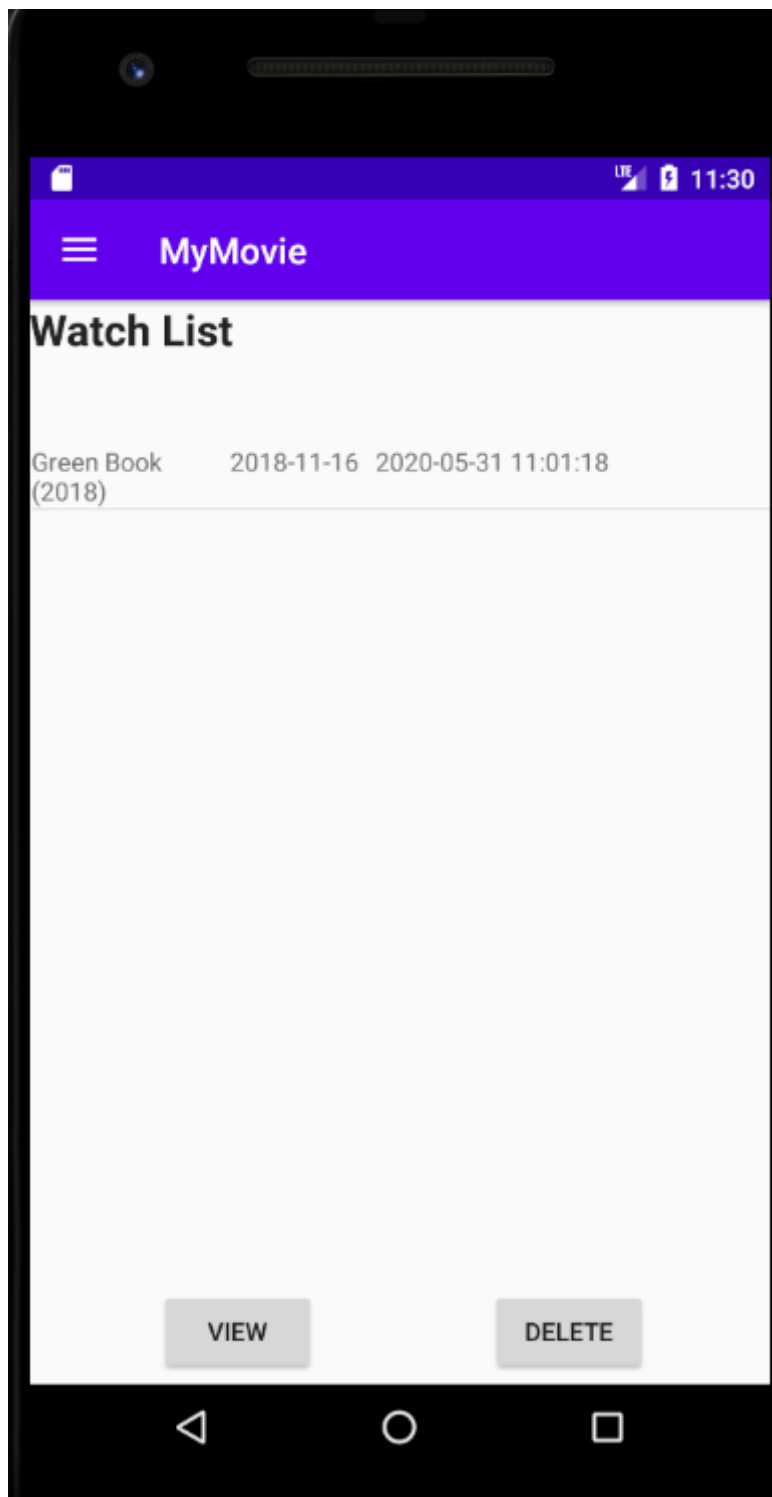


You can select one

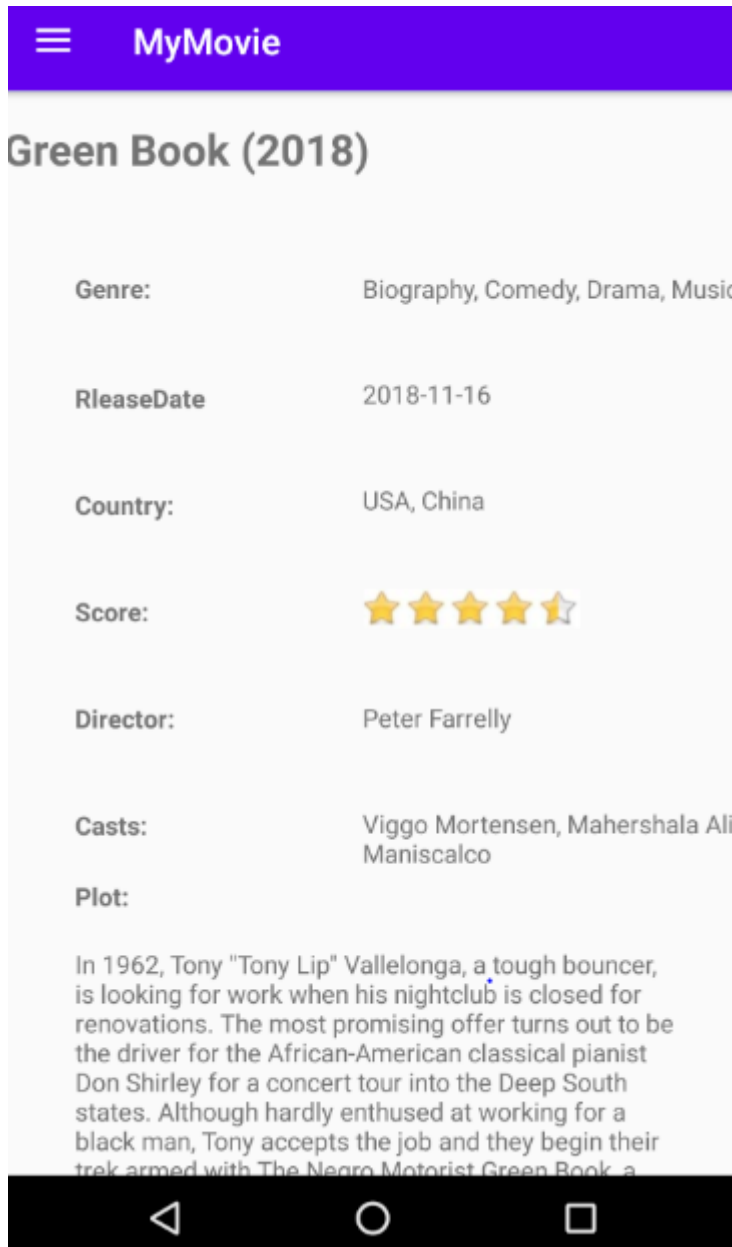


If you knob down "DELETE", you can get a confirmation message

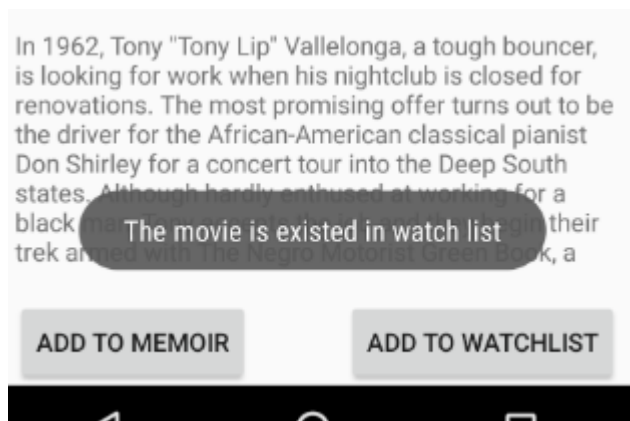




Now there is only one movie




Select and knop "View" you will see detail in the movie View



Because of the Green book has been added into Watch List so you can't add again

## Task 7

Please add into memoir



Green Book  
(2018)2018-11-16

postcode

CinemaName

User Comment:

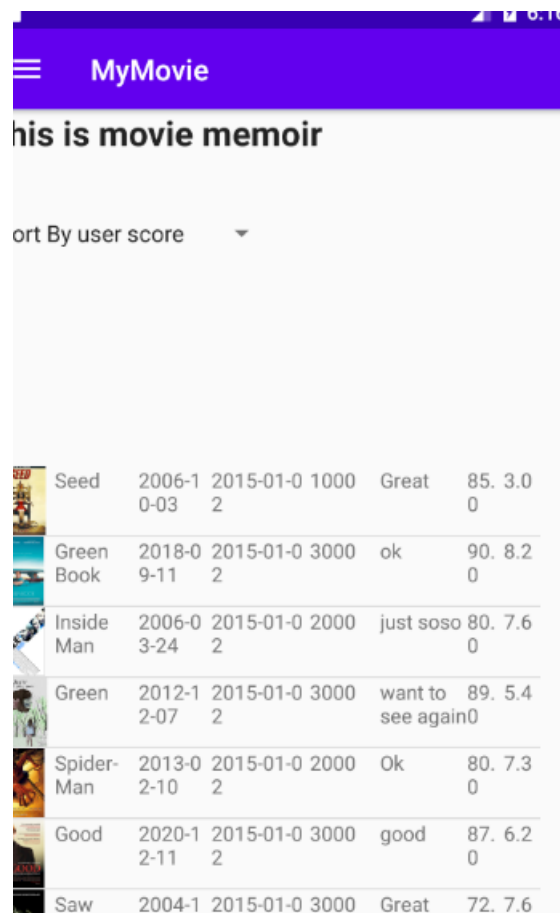
TextView 








Apr	30	2019
May	31	2020
Jun	01	2021

Score: 0

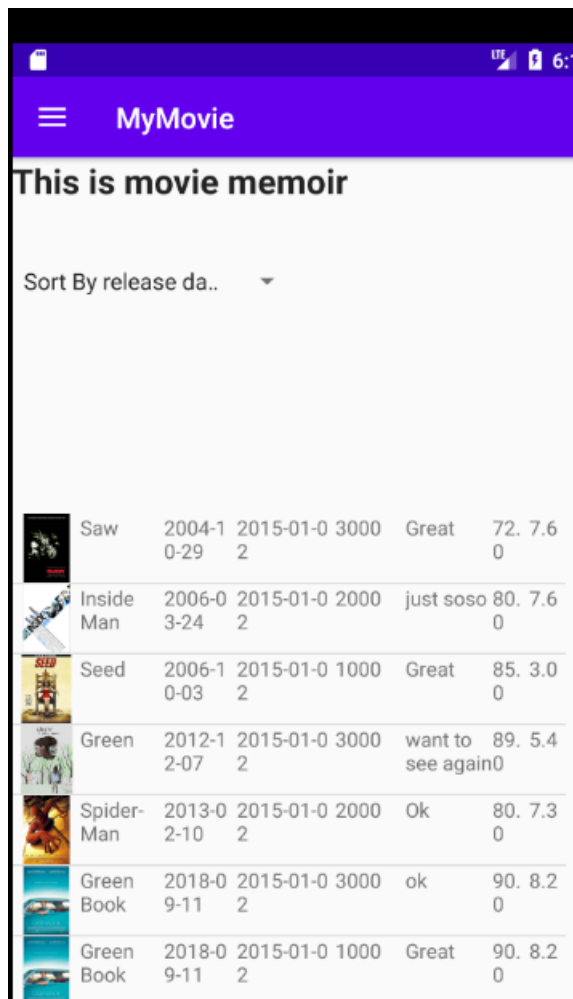
After select "Add to memoir" you can add the Memoir into database

## Task 8

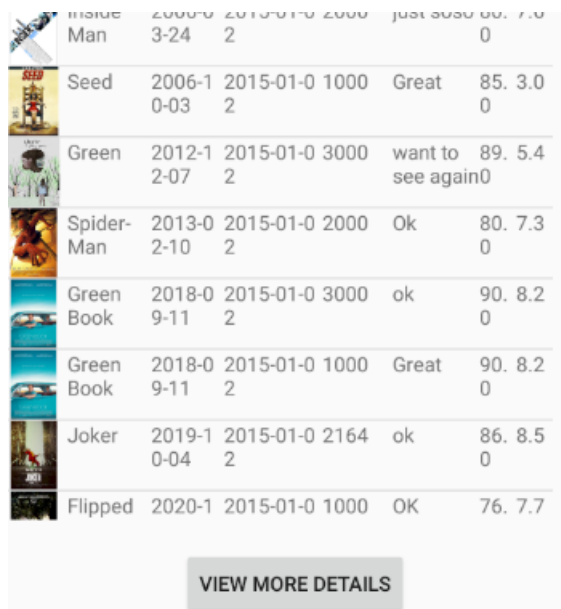


	Seed	2006-10-03	2015-01-02	1000	Great	85.300
	Green Book	2018-09-11	2015-01-02	3000	ok	90.820
	Inside Man	2006-03-24	2015-01-02	2000	just soso	80.760
	Green	2012-12-07	2015-01-02	3000	want to see again	89.540
	Spider-Man	2013-02-10	2015-01-02	2000	Ok	80.730
	Good	2020-12-11	2015-01-02	3000	good	87.620
	Saw	2004-1	2015-01-0	3000	Great	72.76

You can see the Memoir from database in the Movie Memoir Screen

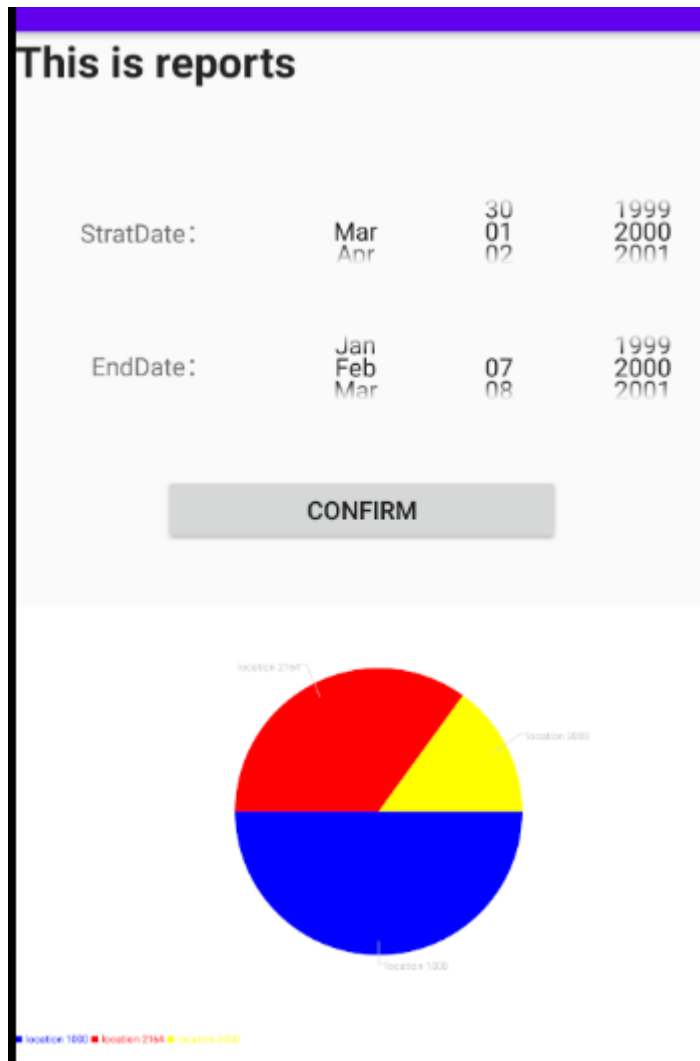


You can change the sort way by select in spinner.



By select view more detail you can back to Movie View and see detail message from IMDBAPI

## Task 9

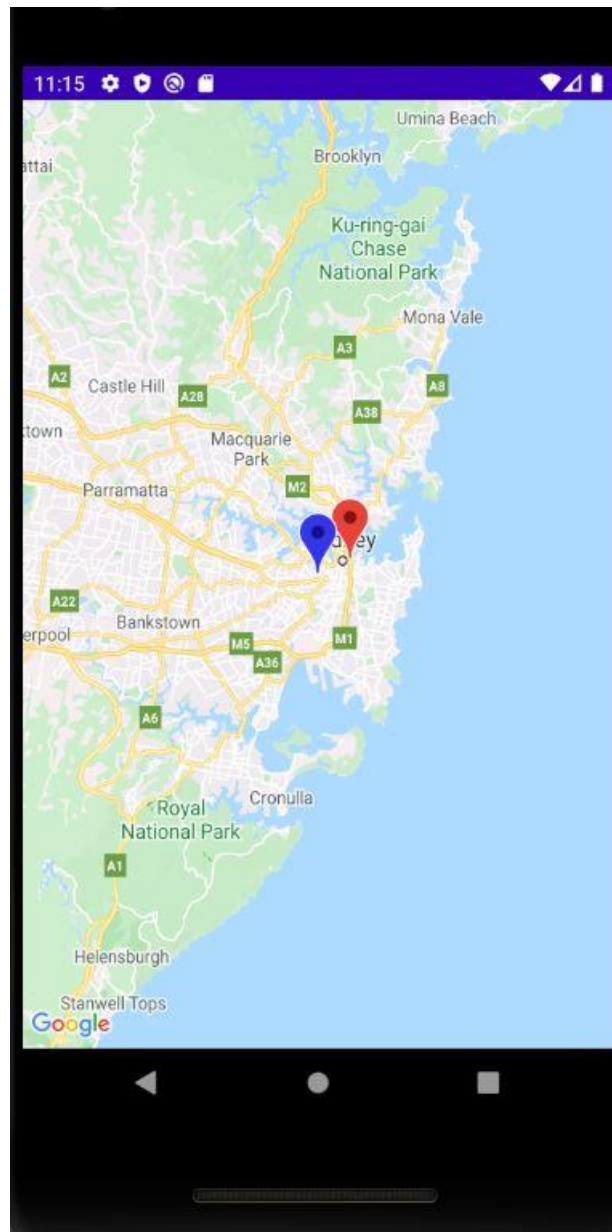


In the Report screen, you can see the pie figure show the location distribute between the date you select.



Below the pie chart, there is a Bar Chart show the memoir distribute in a year order by month

## Task 10



In the map fragment, you can see how close the cinema close to you.

## Task 11

I try to solve the Task11 (5), but because of the time limited I do not complete it. I just write the code below in the WatchList Fragment

```
public void delete_longitem(){
    todelete=new ArrayList<WatchListMovie>();
    for(int i=0;i<unitListArray.size();i++){
```



```

        Date one_date =new Date();
        ParsePosition pos = new ParsePosition(0);
        one_date = formatter.parse(unitListArray.get(i).get("AddTime"),
pos);

        Calendar calendar1 = Calendar.getInstance();
        calendar1.add(Calendar.DATE, -7);
        Date todaypre7 = calendar1.getTime();
        if( one_date.before(todaypre7)){

            AlertDialog.Builder builder = new
AlertDialog.Builder(getContext());
            builder.setIcon(R.drawable.ic_launcher_foreground);
            builder.setTitle(unitListArray.get(i).get("MovieName")+"Long
time after add");
            builder.setMessage("Remove the Movie from movielist? ");
            builder.setNegativeButton("Cancel", new
DialogInterface.OnClickListener()
            {
                @Override
                public void onClick(DialogInterface dialog, int which)
                {
                }
            });

            final int finalI = i;

            builder.setPositiveButton("Determine", new
DialogInterface.OnClickListener()
            {
                @Override
                public void onClick(DialogInterface dialog, int which)
                {
                    todelete.add(nowdata.get(finalI));

                }
            });

            builder.show();

        }

    }

    if(!todelete.isEmpty()){

```

```
        for(WatchListMovie watchListMovie:todelete){  
            watchlistmovieViewModel.delete(watchListMovie);  
        }  
    }  
}
```