

COMP7506 - CourseSchedule

Group - 14

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1 Background Research

1.1 Category & Function Synopsis

CourseSchedule is an educational Android application that aims to make students get their course schedule easier.

In this App, students can get their course schedule once they logged in with right portal account, and it's the main function of this App. With this App, users can view their course with different colors. Meanwhile, this App also provides the function

1.2 Market Analysis

1.3 Similar Apps

1.3.1 QSC

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QSC Mobile

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Next class

02:19:48

近代中日关系史

紫金港西2-315(多)#

No more exams within a month

Notice

ZJU websites

JwbInfoSys

12月4日 Sun

12月5日 今天

12月6日 Tue

电路与电子技术实验I

08:00 - 11:25

紫金港东3-206

大学物理实验

13:15 - 15:40

紫金港东4-207

《你的名字。》

16:20 - 18:27

佳映 IMAX

近代中日关系史

18:30 - 20:05

紫金港西2-315(多)#

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一起看吧。

《你的名字。》

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秋冬

周一

周二

周三

周四

周五

周六

周日

短

电工电子实习I

姜国均

90 / 4.5 / 2.0

认知实习

郑荣濤

90 / 4.5 / 0.5

秋冬

健美(初级班)

程路明

1.0

大学物理实验

陈红雨

1.5

自然科学类

大学物理 (甲) II

郑大方

4.0

自然科学类

白强

3.0

i) Overview

ii) short-comings / possible improvements

1.3.2 CourseGrid



1.3.3 SuperCurriculum



2 Main functions

a) MainActivity.java

The app starts with this activity and set content view to activity_main.xml.

```
private void initNavigationView():
```

Initialize the menu data in expandableListView and populate the expandable list. Set adapter, setOnGroupClickListener and setOnChildClickListener here.

3 Contributions

| | |
|----------------|---|
| ZHANG Kai | Main activity with layout/main.xml |
| | Switch fragment functions |
| | Fragment of homepage, corresponding layout xml file |
| | Toolbar function and xml, bind toggle icon with drawer listener |
| | Custom ViewHolder implements Holder, implement automatic scrolling of pictures with ConvenientBann |
| | Complete the draft documentation, and Readme.md |
| WANG Dezhaohao | Fragment of basic info (fees, overview, schedule), corresponding layout xml files |
| | Fragment of about (faculty, about HKU), corresponding layout xml files |
| | Custom ExpandableListAdapter and MenuModel item, with list_group_child.xml/ list_group_header.xml, generate custom drawer controls |
| | View pager function, custom pager adapter |
| | Page view layout files including Programme Overview, Stream of Study, Selection of Courses, Dissertations |
| YAN Qiangyu | Fragment of news & events, corresponding layout xml files |
| | Custom loading view |
| | Custom card view of news and card view of events |
| | Multi-threaded operation when using Jsoup to scratch message from URL and parse HTML |
| | Update UI by using UIThread |
| | Make the video |
| | Review and complete the final documentation |