COMP7506 - CourseSchedule

Group - 14 3035562502 - ZHANG Kai 3035562100 - WANG Dezhao 3035562069 - YAN Qiangyu

1 Background Research

1.1 Category & Function Synopsis

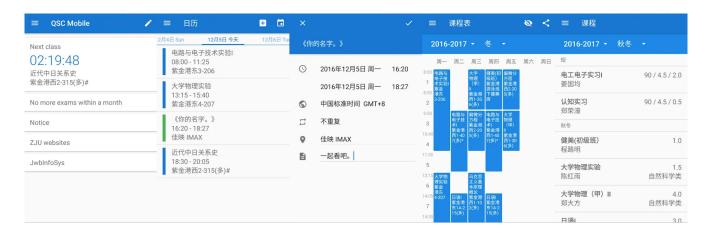
CourseSchedule is an eduactional Andriod application that aims to make students get their course schedule easier.

In this App, students can get their course schedule once they logged in with right portal account, and it's the mian 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



- 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 HolderView implements Holder, implement automatic scrolling of pictures with |
| | ConvenientBann |
| | Complete the draft documentation, and Readme.md |
| WANG Dezhao | 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 |