

Curriculum Schedule Management Application

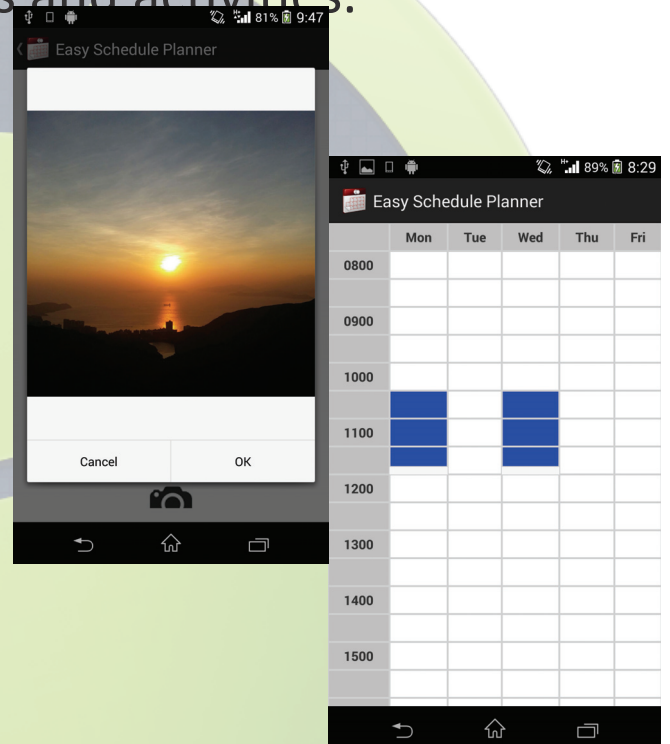
Lee Man Tat, Man Tsz Wing

Advised by Prof. Bo Li

Overview

Easy Schedule Planner is a curriculum scheduler developed on the Android platform. It allows users to add/delete/update their schedules on a simple and intuitive interface. Our scheduler will keep track of the schedule and notify the user of upcoming courses and activities.

To facilitate schedule management, our app implements some useful helper functions, such as attaching photos, schedule comparison and course notification.



Features Highlight (I)

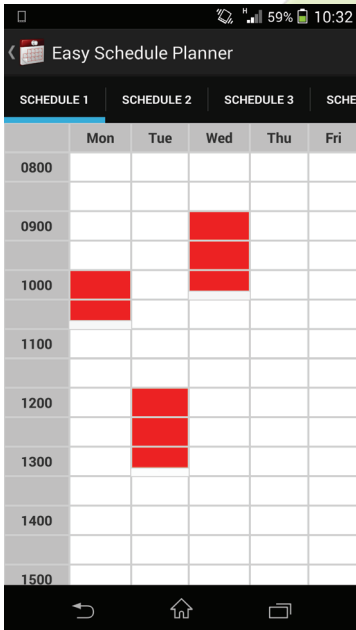
Schedule Generator

The algorithm takes an array of courses as input, computes all the possible schedules (without time conflicts) and display on an Android **ViewPager**.

Example

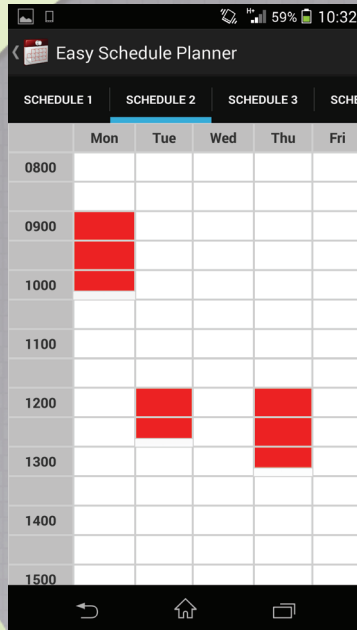
	COMP 1234	MATH 2345	LANG 3456
Section(s)	L1 Mon 9:0 – 10:20 L2 Wed 9:0 – 10:20	LA1 Tue 12:0 – 13:20 LA2 Thu 12:0 – 13:20	T1 Mon 10:0 – 10:50 T2 Tue 12:0 – 12:50

1



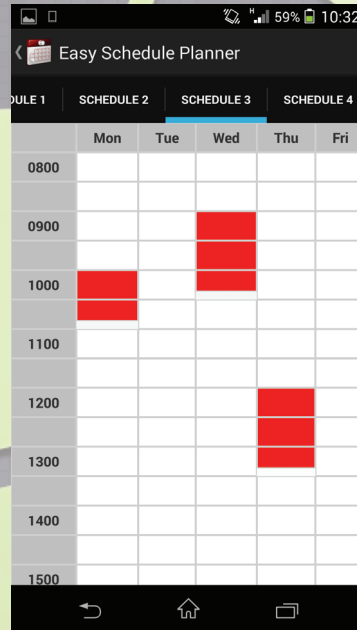
COMP 1234 L2
MATH 2345 LA1
LANG 3456 T1

2



COMP 1234 L1
MATH 2345 LA2
LANG 3456 T2

3



COMP 1234 L2
MATH 2345 LA2
LANG 3456 T1

4



COMP 1234 L2
MATH 2345 LA2
LANG 3456 T2

There are time conflicts between COMP 1234 L1 and LANG 3456 T1, as well as MATH 2345 LA1 and LANG 3456 T2. Therefore, these schedules are excluded.

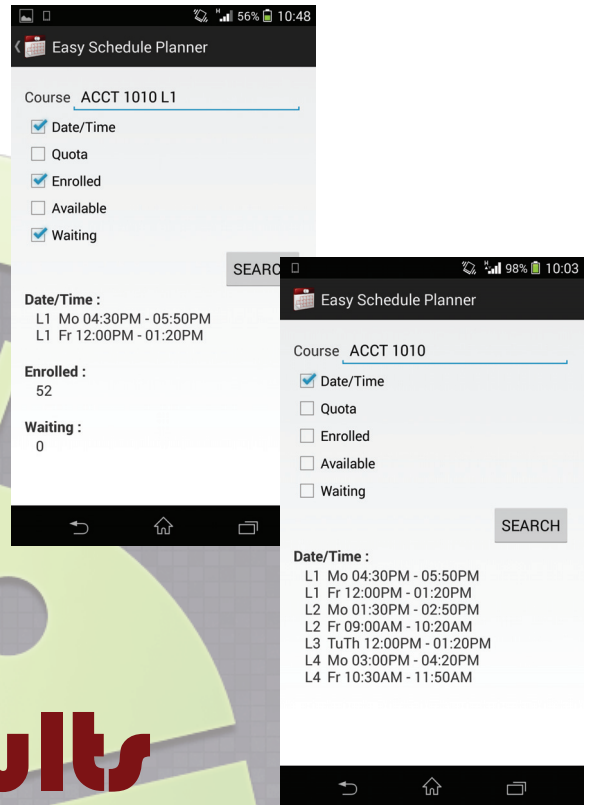
In addition, users can filter the results by specifying some selection criteria in advance.



Features Highlight (2)

Searching for Courses

This function allows users to search for courses on the HKUST course catalog within the application, such as time, quota and the length of the current waiting queue.



Testing and Results

- ◆ Follow the Android testing framework recommended by Google
- ◆ Implement functional tests, UI tests and unit tests by Android **Instrumentation** and **JUnit**

