

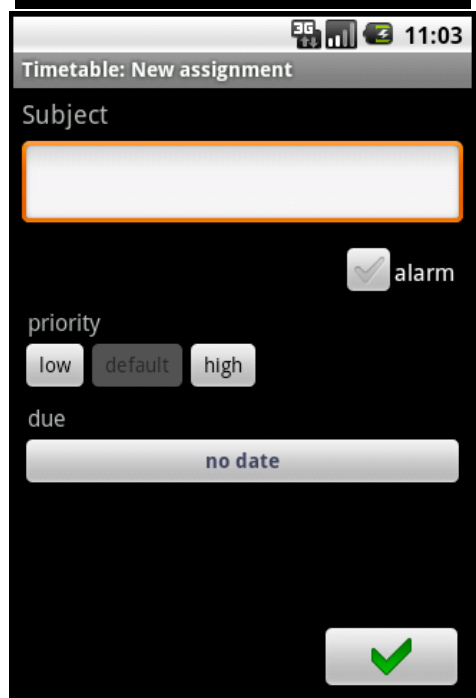
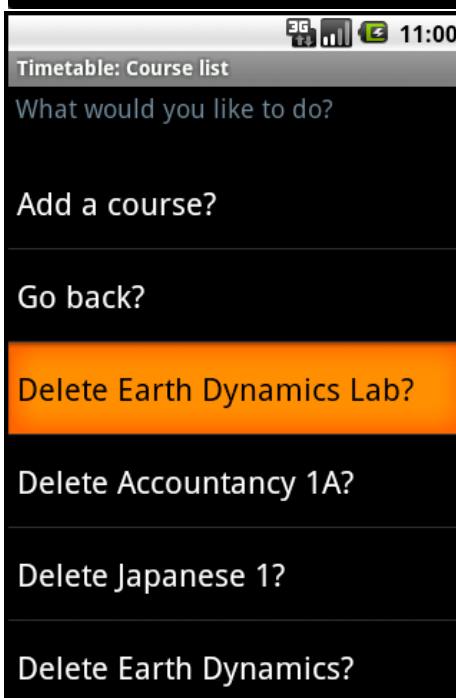
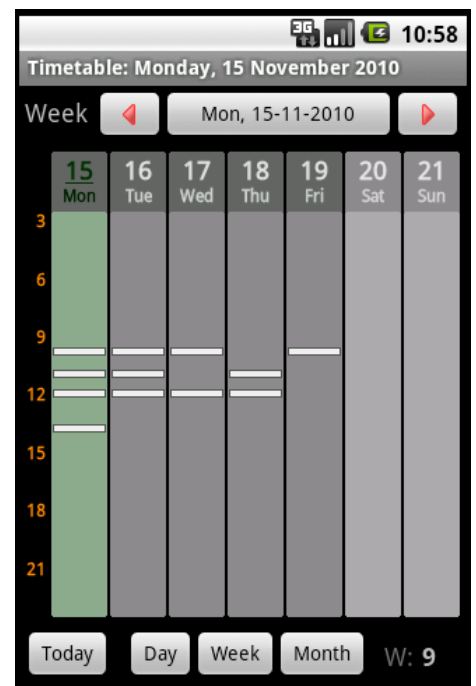
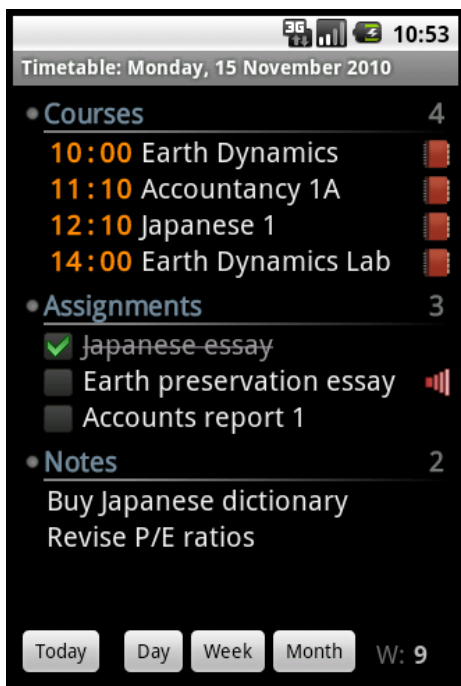
# Timetable v. 1

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## I. Running & installation instructions:

The application does not require any specific instructions to function properly, however one is likely to get a more “demonstrative” view, if one sets the Date of the Android OS to a date that is during Semester time. For example, a sample interaction would be:

1. Set the date to 15 Nov 2010.
2. Add courses Earth Dynamics, Accountancy 1A, Japanese 1.
3. Rename the 14:00 timeslot of Earth Dynamics to Earth Dynamics Lab.
4. Add a couple of assignments.
5. Use notes to remind you to do things!



## II. Requirements fulfillment analysis

ID	Requirement description	Requirement implementation	Progress
REQ-1	Ability to search for courses by entering part of the title.	In the main activity, click on courses. Then, “Add one” from the menu and search.	100%
REQ-2	Ability to add courses of interest to a list and a calendar	In the main activity, click on courses. Then add one, select course and choose a delivery option. The list is accessible by clicking on courses again.	100%
REQ-3	Ability to change the list, by deleting and adding courses	In the main activity, click on courses. This gives you the option to add or delete courses. Additionally, one can delete a course by finding it in one of the calendar views and clicking “X”.	100%
REQ-4	Obtain the data on lecture times and days automatically	1. Data in course look up mode obtained automatically. 2. Data in “Today” agenda view obtained automatically. 3. Data in “Day”, “Week”, “Month” view obtained automatically.	100%
REQ-5	Detect timetable clashes	On adding a course to the list and calendar, the application checks for clashes. If a clash exists, it won’t add or overwrite a course, but it will provide info on the collision.	100%
REQ-6	Deal correctly with courses with more than one delivery option	If a course has multiple delivery options, the user gets a choice in the final phase of adding it.	100%
REQ-7	Ability to enter details about forthcoming academic duties	In the main activity, click on “assignments”. This allows the user to enter academic duties information. There is no specific option for Exams, due to the redundancy it creates – the implementation is the same.	85%
REQ-8	Ability to enter the date an assignment is due	In the add assignment dialog, due date is a required element.	100%
REQ-9	Act as a calendar where lectures and practicals are displayed	The application provides sophisticated calendar functionality via 4 views: Today – shows lectures today, assignments in priority order and notes. Day – schedule view for a day of the week Week – schedule view for a week Month – schedule view for a month	100%
REQ-10	Compute the number of days remaining until the deadline	Not implemented at this stage	0%
REQ-11	Keep the list of assignments in priority order	I have improved on this feature, as sorting work by deadline only isn’t realistic. E.g. a 5% assignment due tomorrow could easily be lower priority than a 50% assignment due the day after tomorrow. First, sorts by priority. If the priority is the same, sort by deadline.	100%

Overall: 89.55%

### III. Additional functionality added:

ID	Description	Obvious?
FT-1	Ability to clean up dirty course data – e.g. Monday 11:00, Tuesday 11:00, Monday 11:00 from the University data becomes Monday 11:00 and Tuesday 11:00.	No
FT-2	Ability to correctly infer for which academic year adding courses refers to. E.g. if adding a course during weeks 38-52 and 52-22, it refers to this academic year, otherwise to the next.	No
FT-3	Shows current University week number in the lower right corner, if during semester time. Otherwise, shows the week of the year.	Semi
FT-4	Four calendar views – Today, which shows the list of lectures for the day, plus assignments in priority order and notes. Day, Week, Month views allow you to browse your calendar and look at your academic duties.	Yes
FT-5	Notes – clicking on the notes tab, allows write and save quick notes.	Yes
FT-6	Ability to change the name of a course for a particular day. I.e. change Monday's Physics 1A to Physics 1A Lab for additional clarity.	Semi
FT-7	Ability to change/delete a course by finding its entry in the calendar.	Yes
FT-8	Alarm – ability to set a reminder alarm for when an assignment is due. This acts as a service in the background, so the application need not be active to remind you of due work.	Semi
FT-9	Ability to specify priority for Assignments. Sorting is then accomplished – first by priority, then by due date.	Semi
FT-10	Ability to “check off” an assignment and mark it as done.	Yes
FT-11	Options menu – by clicking on the “Menu button”	Yes
FT-12	Configuration for: <ul style="list-style-type: none"><li>- first day of week</li><li>- 24 hour mode / 12 hour mode</li><li>- Alarm – snooze and clear snooze</li></ul>	Yes
FT-13	Show/Hide due assignments to “take the pressure off”	Yes

#### Coding style requirements:

1. Logging- I have used logging, where appropriate, throughout the application.
2. Catch statements – no empty catch statements in the application.
3. Code clarity – comments are written where functionality is not obvious from the context.

### V. Acknowledgements

This project re-uses code from the open source AnCal project - <http://code.google.com/p/ancal/>