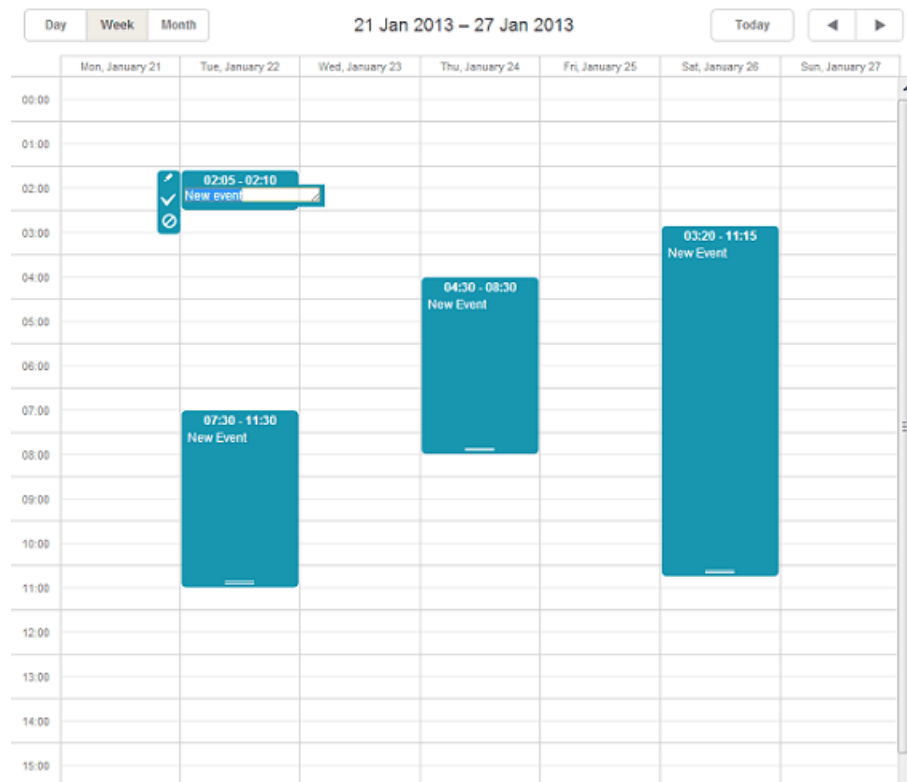# COMP3006L Project: Online Calendar

An online calendar such as Google Calendar is a time-management web application. It allows users to create new events, edit or delete existing events, and search for events. Indeed, it also allows users to share their calendars. In this project, the students are asked to develop an online calendar with the following operations:

- create new events
- edit or delete existing events
- recurring events
- search events
- mini calendar
- customise look and feel: skins, different views
- time slot booking
- share calendar
- interact with other software: e.g. integrate with Google Maps, export to PDF

Students can use any web development tools to develop this online calendar.

For the assignments students will develop a basic calendar based on **DHTMLX scheduler** using Java. **DHTMLX Scheduler** is a JavaScript event calendar that allows you to add a Google-like scheduler to your web app or website. Very lightweight, highly customisable, and fast, dhtmlxScheduler provides a quick way to add an Ajax-based event calendar on a web page.

Create event

Create an attractive and interactive Java event calendar with intuitive drag-and-drop, seamless Ajax loading and quickly set up data load and save.

Edit or delete existing events

Provide for automatic processing of create/update/delete event operations.

Recurring events

Recurring events are special events that are repeated over multiple days.

Search/Filtering events

This feature allows you to filter events by time, user, number, room, etc. separately for each calendar view.
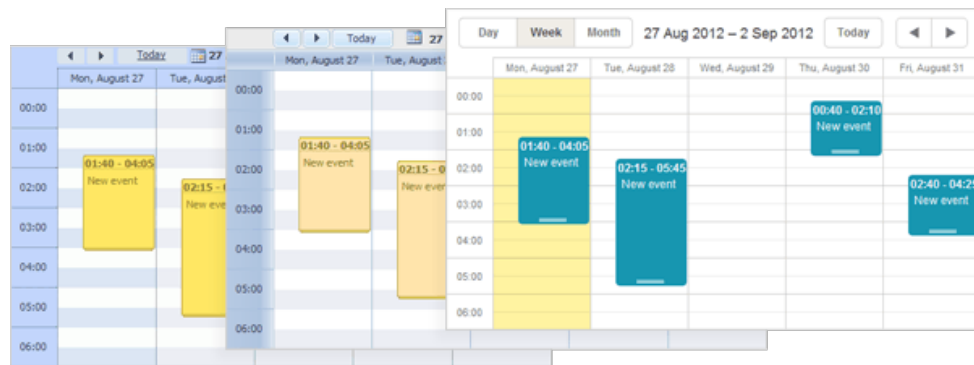
Mini calendar

Mini calendar provides ability to render a small month view in any html container on a page.

Customise look and feel: skins, different views

Provide different colours for different types of events.

Use different colour schemes to change the look and feel of the calendar.

Advanced functionalities

Only students that complete these advanced functionalities below, can expect to receive an A grade for this project.
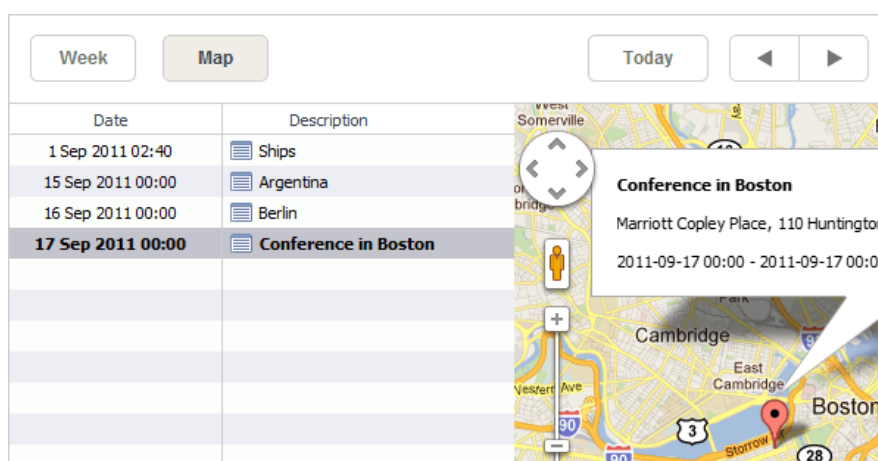
Shared calendar

The calendar should be able to handle multiple users. Different users should be able to access the calendar at the same time and be able to create their own events and view other user's events.

Time slot booking

Provide for the ability for a user to choose a booking time-slot for a particular event that is specified in the calendar, e.g. an appointment to see the doctor or dentist.

Interact with other software: e.g. integrate with Google Maps, export to PDF etc.

Integrated Google Maps allows displaying location for each event on the map. Each event location can be specified in the details form, or you can select the needed location right on the map.

Other extra functionalities

Students can add any other functionality that they want. Extra marks will be available for these.

Final Submission

Upload all relevant material for application in **Groupname_COMP3006L_project.zip** to **Moodle.** This should include all code of final working version of your application with a detailed instruction document for how to set up and run your application.

Note it is very important that your application can be tested so that its functionality can be confirmed. **Therefore it is required that your application works locally on my machine or that I am given root access to remote server where your application is running.**