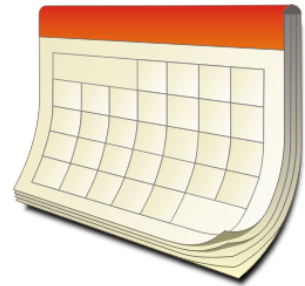


Mozilla Calendar Project - Resource Booking

The Lightning extension has a dialog for inviting attendees to an event, which also shows availability information. Albeit not very obvious, it also allows booking resources and rooms by manually entering the address as understood by the server. The address is controlled by conventions within the scheduling environment, for example a dedicated email address that is managed by the server. Employees have these resources in their address book and need to enter them one by one to find a free room.



To improve this experience we would like users to be able to pick rooms and resources in a way that they don't need to remember the room address and quickly see which rooms and resources exist and are available around the proposed time of the event. The attendee dialog needs to be redesigned to accommodate the additional requirements, you will receive feedback and can ask for help from the rest of the team on your design proposal. The dialog uses JavaScript and XUL, an XML based user interface language similar to HTML.

Aside from the visual aspects, backend changes are also needed. Each calendar has an abstraction called "provider" which provides a common set of interfaces regardless of if the calendar is the local storage or a remote calendaring system. New features such as resource booking are added by using an additional interface that providers may optionally implement. The interface needs to be designed in a way that is general enough to work with different calendaring systems. An implementation of this interface needs to be created within the CalDAV provider, an additional provider can be chosen to ensure the interface is general enough if time permits. Your application should include a rough draft of the backend interface to show your skills.

The Mozilla Calendar Project consists of a small number of contributors that work on the project mostly in their free time. Aside from an assigned mentor you can reach on IRC, other project members will be able to help out with any issues you might have. You will be considered part of the team and if you enjoy what you are doing you are welcome to continue your contributions after the project.

Skills required:

- A good understanding of web technologies including CSS and JavaScript.
- Experience with XUL, or excellent HTML skills.
- Basic understanding of version control systems like mercurial or git.
- The ability to quickly get acquainted with large pieces of code and understand their nature.
- Open communication via mailing lists and IRC.
- Strong initiative and self-management skills.

Skills nice to have:

- Web design / UI design skills.
- Previous experience with open source projects or even Mozilla extensions.

For more information and technical details contact Philipp Kewisch here:

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