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Abstract:	The social constructivist philosophy of Moodle makes it an excellent choice to deliver e-learning contents that require collaborative activities, such as those that are associated with online labs. In the case of online labs that enable web access to real devices (remote workbenches), access time should be reserved beforehand. A booking tool will avoid access conflicts and at the same time will help the students to organise their time and activities. This paper presents a Moodle extension that was developed within the Leonardo da Vinci MARVEL project, with the objective of meeting this requirement. The booking tool presented enables resource sharing in general and may be used to organise access to any type of scarce resources, such as to online labs and to the videoconferencing rooms that are needed to support collaborative activities.
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Customize and extend Moodle by using its robust plugin systems. Jonathan Moore Michael Churchward. Birmingham - mumbai. This book is written for technologists who are interested in expanding Moodle's functions through programming, either for their own organizations or to contribute to the open source project. This book is aimed at programmers already familiar with Moodle's basic technologies: PHP, MySQL, and HTML/CSS. You will need an understanding of PHP in order to follow along with coding activities in the book. Another resource that can help is the Moodle code cross reference. This is an online resource that is generated from the code and inline comments in order to produce documentation. It is generated automatically by using PHPXref.