BookIt

BookIt aims to be a one-stop shop for resources you wish to provide or make a booking for. It allows providers to register the resources they can make available to consumers on the platform. Consumers can then look for available resources that they're interested in, view their details, and place a booking for resources they are interested in as long as it falls within their monthly booking allowance of 10 booking hours. These consumers can browse through their bookings, and express their content with a resource they've completed one or more bookings for by liking it on the platform, or cancel an upcoming booking if they no longer need it. BookIt also provides consumers with recommendations for resources they haven't booked yet - but may wish to. See the project objectives for further details on what this platform must be able to do.

Project Objectives

Resource providers can register their name, contact details, and a description of the types of resources they provide (eg: tennis courts, meeting rooms, and/or other resources). Registered providers must be able to specify the name, type, location, description, and availability for each of their resources with hourly granularity (eg for a resource: (name: tennis court 1), (type: Tennis Court), (location: 1 Example Rd, Sydney, NSW 2000, Australia), (description: indoor tennis court), (available: Mondays to Fridays 8am to 8pm)). Resource consumers must be able to register to find and book the resources they are interested in, where they can search for resources available within a given time period by keywords that match on any combination of the name, type, description, and/or location (note: a resource is not available at a given time if it has already been booked at that time). Once a consumer has identified a resource they are interested in, they must be able to view its full details, including its name, type, location, description, full availability on a calendar (showing booked & available times), as well as the provider details. When a consumer is happy with the details for a resource, they must be able to book the resource for 1 or more time-periods of hourly granularity, when the resource is currently available (once booked, the resource would become unavailable for the booking time-periods), with each consumer being given an allowance of 10 hours per calendar month for bookings (ie: no consumer should have more than 10 hours in total worth of bookings within any given month). Consumers must be able to view all of their past, current, and upcoming bookings, and be able to like only bookings that have occurred in the past (where booking end time is in the past). Consumers can change their mind, so they must be able to cancel any of their resource bookings if the first day of their booking is more than 3 days away. BookIt must be able to recommend to a consumer resources they haven't booked yet, based on resource likes they have in common with other consumers, and other resources that these other consumers have liked but which the consumer getting the recommendations hasn't booked yet; as well as based on any 1 other factor that can determine resources that a consumer is likely to want to book.

Some of the links you may find interesting relating to this project are shown below. Please note that project objectives always take priority.

https://mid.as/screenshots
https://play.tennis.com.au/court-hire
Note: your platform needs to support multiple types of resources