Booking System for a Camping ASP.NET Project

The Project is a booking system for a camping, that have spots for guests to rent. The system should let a guest create an account and then allow booking. When the guest arrives a check in should be possible by an administrator. The Administrator should have a check out function that list the cost, the guest have to pay. The administrator should also be able to edit the guest details and the bookings. The administrator should also be able to print a list of arrivals and departures for each day.

Required Features:

* Guests
  + Ability to create an account
  + Ability to make a reservation
* Administrator
  + Ability to create and edit guest accounts
  + Ability to check in and check out guests
  + Ability to modify bookings
  + Ability to get information about arrivals and departures each day.
* Site
  + Have a log in/log out function
  + Letting guests chose a date via a calendar dropdown

Suggested Further Developments:

* Users
  + Adding a role of receptionist that allow a receptionist to check in and check out guests. Receptionist ability to printout of guest arrival and departures.
* Site
  + Adding cabins, canoes, boats and outboard motors
* Site
  + AngularJS to Control the site’s Front End

Code Requirements:

* Use ASP.NET MVC to create the pages
  + Use CSS and Bootstrap to control the layout and appearance of the pages
  + Use Ajax to dynamically load elements from the server without the page being refreshes
  + Use Partial View, with and without Ajax
* Use ASP.NET identity to handle user registration and login
  + Use roles and authorization to control access to restricted pages
* Use Entity Framework for database connections and management
* Use some form of source control (such as GitHub) together with Visual Studio’s Team Explorer to manage the project’s files.

Expected Duration: 4 Weeks

Subjects Covered:

* ASP.NET MVC, Razor and C#
* Javascript, JQuery and AngularJS
* HTML, CSS and Bootstrap
* Entity Framework and Database Management
* Source Controls
* Project Management

**Remember to manage your time carefully** – don’t go into much detail too quickly – make sure you have a functional base covering all the requirements and then expand.