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Programming Questions
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References
http://www.djangobook.com/
Apple Developer Documentation

Purpose
The purpose of this exercise is to test your ability to build an application on the iPad that makes use of a web based API. The solutions will be judged based on their use of the iPad development environment and the interaction between the iPad and the web API. Much less emphasis is placed upon the visual design (use of shading/images) project and if only bare minimums of UI components are used that is fine.

Problem

Design and implement a simple iPad application to let a patient fill out and deliver their "demographics" to a new doctor they are visiting.

1) iPad UI Controller
Build a simple UI controller that will gather the basic information on a new patient: Name, Insurance Info, Health History, Chief Complaint, etc.

2) Connect the Controller to a Web Service
Design a simple web service to accept the new patient information added in "1". We'd prefer if this is written in Python/Django (fine if it is running on localhost), but any simple web server JSON/XML api is fine (PHP, RoR.)

* Extra Credit 1
3) Extra Credit: Build a way to edit an existing patient using the controller from 1.

* Extra Credit 2
4) Make this screen secure for staff members to hand to a patient. If you are editing an existing patient, there has to be some method to secure that patient record if the iPad being used is shared in an office waiting room setting. Come up with a security mechanism where the staff member can fire up the app, queue it up for a patient, and then hand to the patient in a locked down mode where the patient can edit their own demographics, but cannot see/edit any other patients demographics until the staff member unlocks the iPad and queues up the next patient.

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