StudySoup

Mobile Application Evaluation Project

Overview
This project is designed to enable you to showcase your skills as a mobile engineer. You will select the mobile development platform you are most comfortable with to create a single application which will be evaluated for code quality and correct functionality. Be sure to use proper engineering practices.

Section 1) Testing
Create unit tests for a bank ATM object to ensure the correctness of its described functionality.
You do not need to create the class that is being tested.
ATM:
- The ATM allows you to authorize yourself based on a 4 digit pin number
- The ATM allows you to get your balance, withdraw money and deposit money
- At no point in time can your balance be negative
- You can only withdraw $300 within 24 hours

Integration tests are used to make sure that different components are working together as expected. The ATM uses a webservice to check that the pin is correct. Create an integration tests that tests the interface between the service and the ATM class. Include all error cases you are concerned with like the service being unavailable.

Section 2) API Integration
Create a module that interacts with the 3rd party REST API defined below:

URL: **https://tutor.studysoup.com/api/schedule**

Method	Return	Description	Parameters
GET	datetimes	Gets upcoming appointments	
POST	result	Creates an appointment	*guid*: device identifier *appointment*: datetime
PUT	result	Updates an existing appointment	*appointment*: datetime *new_appointment*: datetime
DELETE	result	Destroys an appointment	*appointment*: datetime

Section 3) UI
Now is your time to shine. Create a single and eloquent UI screen that displays the dates and times returned in the GET method from the API section. Allow them to be clickable and nicely displayed.