Lab 12.2 – Making JSON Calls

Overview:

In this lab you will get and retrieve data from a cloud-based service provider.

Step	Description
1.	Write code to make HTTP request to get all events

a.	In the package "com.garagze.service" create a new class called " EventJsonService" which implements " com.garagze.service.EventService". Then create a method to make an Http request to the server and to return a string containing the JSON representation of the returned event objects.
	
	Start by creating a method named "readEventFeed" which returns a string.
	
	`public String readEventFeed() {`
	
	Create a new HttpClient.
	
	`HttpClient client = new DefaultHttpClient();`
	
	Create the Http request and submit it to the server.
	
	`String DOMAIN = http://garagze.appspot.com/mobile/;`
	`String QUERY = "api?type=event&action=getAllEvents";`
	`String Url = DOMAIN + REQUEST;`
	`HttpGet httpGet = new HttpGet(Url);`
	`HttpResponse response = client.execute(httpGet);`
	
	Get an input stream from the response object and process it
	
	`StringBuilder builder = new StringBuilder();`
	`HttpEntity entity = response.getEntity();`
	`InputStream content = entity.getContent();`
	`BufferedReader reader =`
	`new BufferedReader(new InputStreamReader(content));`
	`String line;`
	`while ((line = reader.readLine()) != null) {`
	`builder.append(line);`
	`}`
	
	`StatusLine statusLine = response.getStatusLine();`
	`int statusCode = statusLine.getStatusCode();`
	
	The code will return a JSON string from the server.

2.	Write code to parse JSON into event objects (org.json)
3.	Test code.

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4.	Write code to create JSON from event
5.	Write code to make HTTP Post request to add a new event
6.	Test code.
7.	Optional. Replace json.org classes with Google's gson framework. Which do you prefer?

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