

## **CIS 311 Homework Weeks 2 through 4**

The goal for our course this week is to understand and begin using the AWS JS SDK regarding database input/output (i/o) and file uploads.

Please be sure you have done the following tasks.

### **Phase one: Enabling File and Image Uploads to the Cloud**

- 1) completed our javascript workbook, as presented on tuesday.
- 2) studied the nature of the AWS JS SDK, as presented on this link — <http://aws.amazon.com/developers/getting-started/browser/>
- 3) an example of the solution presented in (2) is posted here — <https://github.com/stefanbund/311/tree/master/AWS%20S3%20DEMO>
- 4) possess a working example, where you have configured your cloud to respond to the javascript

### **Phase Two: Secure Data I/O**

We will apply the fundamentals of the AWS JS SDK in a fully worked example, involving a nonSQL, cloud database. Several interacting documents need your attention and mastery.

- 1) working source code — <https://github.com/stefanbund/311/blob/master/dynamoAPI%20set/dynamoDbApiTest.html>
- 2) Review the nature of making requests from javascript, to the cloud, securely — <http://docs.aws.amazon.com/AWSJavaScriptSDK/guide/browser-making-requests.html>
- 3) general overview of how to write services in the browser — <http://docs.aws.amazon.com/AWSJavaScriptSDK/guide/browser-examples.html>
- 4) an overview of how security works when using javascript in the browser — <http://docs.aws.amazon.com/AWSJavaScriptSDK/guide/browser-configuring-wif.html>
- 5) this API documentation is also critical, in outlining how to make calls. You will use this to customize your own API calls — <http://docs.aws.amazon.com/AWSJavaScriptSDK/latest/AWS/DynamoDB/DocumentClient.html>