# **Egen Coding Challenge – Level 1**

Create a restful web service for User Management application using

* Spark Java <http://sparkjava.com/> and
* MongoDB

## **Assumptions**

* User has the following properties

{    
   **"id"**:"1630215c-2608-44b9-aad4-9d56d8aafd4c",  
   **"firstName"**:"Dorris",  
   **"lastName"**:"Keeling",  
   **"email"**:"Darby\_Leffler68@gmail.com",  
   **"address"**:{    
      **"street"**:"193 Talon Valley",  
      **"city"**:"South Tate furt",  
      **"zip"**:"47069",  
      **"state"**:"IA",  
      **"country"**:"US"  
   },  
   **"dateCreated"**:"2016-03-15T07:02:40.896Z",  
   **"company"**:{    
      **"name"**:"Denesik Group",  
      **"website"**:"http://jodie.org"  
   },  
   **"profilePic"**:"http://lorempixel.com/640/480/people"  
}

* Use MongoDB as your data store.
* The User's ID uniquely identifies a user.
* Feel free to use any framework or library in your code. But make sure you use Spark Java and Mongo.

## **Questions**

* Develop the below 4 services using Spark Java
  + **createUser**
    - Takes input as JSON.
    - Creates the user if he is not already available in the data store.
  + **getAllUsers**
    - Gives the list of all users that are in the data store
  + **updateUser**
    - Takes input as JSON
    - Finds the user from the data store
      * if found, updates the required fields
      * if not found, sends back a 404 saying user not found
      * Unit tests using any unit testing library
* Create a new repo egen-be-challenge on your [github.com](http://github.com/) account and commit all your code to it. Make sure all IDE and OS related files are in .gitignore.
* Once completed, send the link of the repo to the recruiter.