Given a list of project ids -> return a JSON object of projects

For loops over project id list:

For each project id get the following data:

Name (from the projects table)

Description (from the projects table)

Time (from the projects table)

Duration (from the projects table)

User limit (from the projects table)

Project image url (from the projects table)

Number of views (from the projects table)

Project owner name (get the user\_id from project then lookup the user’s name from the users table)

Number of current users working on project (get all the user ids for the given project id from the Project User table)

Project owner image url (get from the user table using project owner id)

List of roles + experiences (get all the role ids and associated experience\_ids for the given project id from the Project Roles table)

Function convertToJson(data above)

X = {

“name”: name,

“description”: description,

“time”: time,

“duration”: duration,

“user\_limit”: user\_limit,

“project\_image”: project image url,

“num\_views” = number of views,

“project\_owner\_name” = project owner name,

“num­\_users” = number of current users,

“project\_owner\_image\_url”: project owner image url,

“roles”: Func makeDicts(list of roles)

}

Return json.dumps(x)

makeDicts(list of roles):

list = []

loop over roles:

list.append {“role”: role[i][0], “experience”: role[i][1])

return list