**OVERVIEW**  
 I will be using Postgres SQL because most of the information that is being submitted and for user interfaces is an object relational database. Each information is entered by the user and can be used for another template which can be routed throughout the page if done correctly. Each block information will have certain limitations and must be entered correctly in order for the information can be used properly. Along with REST API’s, it will be much easier to pull data with simple data retrieval.

**Data specifications**  
 When data is being entered it can only be certain variables or integers when filling in the information. Otherwise, there will be an error message presenting towards the user to fill in the blank correctly. Users will only have special privileges depending on user account for example, the teacher account. Teachers will have most access towards the site because they are the ones helping the student to enter the correct information and can mark the student absent or late for school. Employers and recruiters are allowed only to view what is necessary for them depending on specifics and availability.

**Students, Teachers, Employers and Recruiters**  
 Students will have free accounts from their schools and can be managed by faculty. Once in college, students must be willing to purchase and upgrade their account for their own purpose and pursue their goals with the information they have provided from previous years. Teachers in high school VS college professors will basically have the same user access except college professors will be able to provide more information for students in their careers. Employers and recruiters will be readily available to scout or recruit any student whom they see as a potential for their team. They will be allowed to access grades, absences, attendance and work/career related experiences.

Document Structure:  
{  
"\_id": string (auto generated id by PostgreSQL),  
"image": string (reference URL to the cloud stored image),  
"user": {  
"name": string,  
"email": string,  
"date of birth”: int,

“school”: string,  
"address": string

"student": string Or

"faculty": string  
}  
}

**Users (Students, Teachers, Employers and Recruiters)**  
 Will hold information from their logins. All users will have their own usernames and passwords that can be retrieved from the respective database.   
Document Structure:  
{  
"\_id": string (auto generated id by PostgreSQL),  
"email": string,  
"full\_Name": string,  
"username": string

“student”: string

“faculty”: string

“employer”: string

“password”: string,  
}

**Semesters**  
 This collection will hold all the basic information about the information being entered and will be flagged if entered incorrectly. If numbers are only allowed or if string variables are only allowed.   
  
Document Structure:  
{  
"\_id": string (auto generated id by PostgreSQL),

“term”: string

“year”: int   
“GPA”: float\_int

“field\_of\_study”: string

“sports”: string

“Music/Arts: string

“classes”: string

“classes”: string

“classes”: string

“classes”: string

“course\_num”: int

“course\_num”: int

“course\_num”: int

“course\_num”: int

}

**Build Your Resume**

This collection will hold all the basic information about the information being entered and will be flagged if entered incorrectly. Most of the information will transition from the input data to the build your resume. Any new information that is being added will collectively proportion itself onto the template. That being said, some areas will have to be entered manually and for accurate data. Therefore, most information will be transferred only.

**Build Your Portfolio**

This collection will hold all the basic information about the information being entered and will be flagged if entered incorrectly. Most of the information will transition from the input data including resume into a slotted part of the portfolio template. Any new information that is being added will collectively proportion itself onto the template. That being said, some areas will have to be entered manually and for accurate data. Therefore, most information will be transferred only. I understand that most portfolios are very unique and have different representation of that user, so I will only create the minimum to help users understand what is included in a portfolio.