



CST336-40\_FA23

Nima Mahanloo, Christopher Loi, and Christopher Stankey

## **Description**

Our project, resume2Success, provides a streamlined approach to creating a resume. Rather than spending the time trying to style a resume, users will be able to enter their information using a user-friendly interface which then takes that information and presents it as if it were done by a professional.

To access the application, users will need to create an account or for demo purposes access a premade account that already includes finished resumes ready to be viewed.

Once logged in, users will be greeted by their dashboard. Here they can manage account credentials, create a new resume, and access their resumes to view, print, or delete them. When they are finished users can sign out while still being secure that their resumes will be waiting for them as soon as they log back in.

Job seekers looking to create a resume will be guided section-by-section as they enter their general information, education, certifications, skills, and experience. Validation of fields provides users with assurance that they will only enter the necessary information. Additional features such as autocompletion are available for location information just by providing a zip code and 70,000 skills are a search away.

Once named and saved, users will be redirected back to their dashboard where they will see their newly created resume listed for them to select and display. In the display view, resumes are automatically styled and can be printed using a button.

## **Task Distribution**

Nima Mahanloo:

- Came up with the idea for resume2Success.
- Created both the project and database diagram.
- Implemented and maintained the database
- Implemented the sign up, login, dashboard, display views and associated routes
- Provided initial stylings

Christopher Loi:

- Implemented the editResume view and routes
- Added additional stylings
- Organized the GitHub integration with Replit
- Provided suggestions for improvement and code maintainability

Christopher Stankey:

- Task coordinator.
- In charge of the creation and submission of documentation
- Implemented the addResume view and routes
- Discovery and implementation of APIs

## **Changes from Original Design**

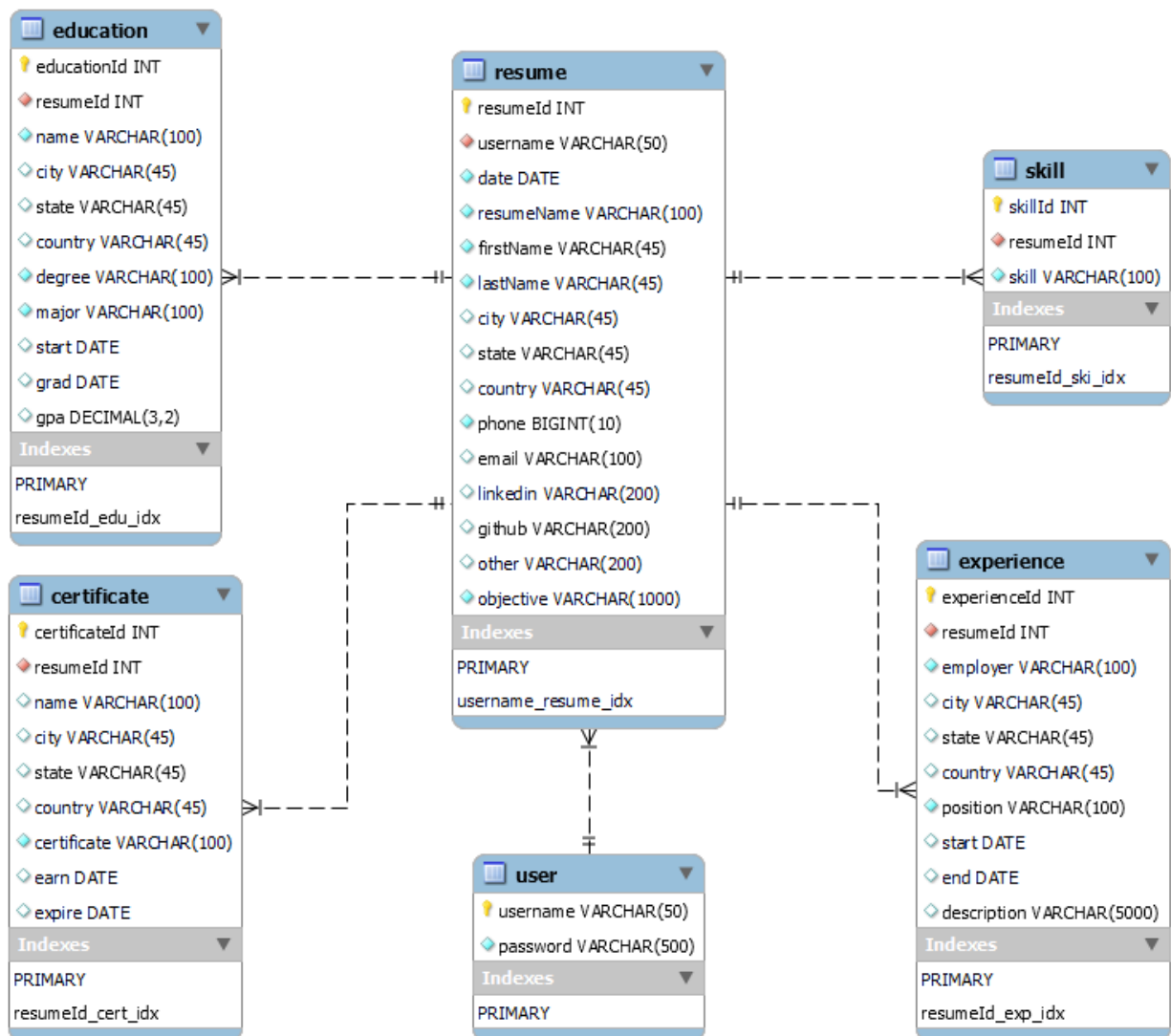
1. As suggested by Professor Lara the resume and general tables were merged to simplify the design of the database.
2. Each section of the resume was supposed to be a separate view, but instead it was combined. In hindsight this caused issues with implementing the post route and required a rework of the addResume view/routes.
3. The editResume route was based on the addResume, but with limitations on time and excessive troubleshooting needed to implement it, we decided that it would be best to remove that feature.
4. Some sections of the resume were supposed to have a button to dynamically add additional forms to allow for users to enter in multiple types of job experience or certifications, but this proved challenging with submitting to tables. Instead only the skill section was made dynamic due to the inclusion of the Skills API from APILayer.
5. The use of the location API was going to be done using the CSUMB API, but to allow for a simpler integration, Geoapify's Address Autocomplete API was used instead. This turned out to handle more than United States addresses which was welcome.
6. An additional API to gather information about universities for filling out fields was going to be used, but due to time constraints and increasing project complexity, we decided to scrap it as the two above APIs met the requirement.
7. Also on the chopping block was implementing multiple styles of resumes which could be chosen from.

## Database Schema

Six tables were used for the application to handle user, and resume information. Here is a screenshot detailing the different tables and their relationships.

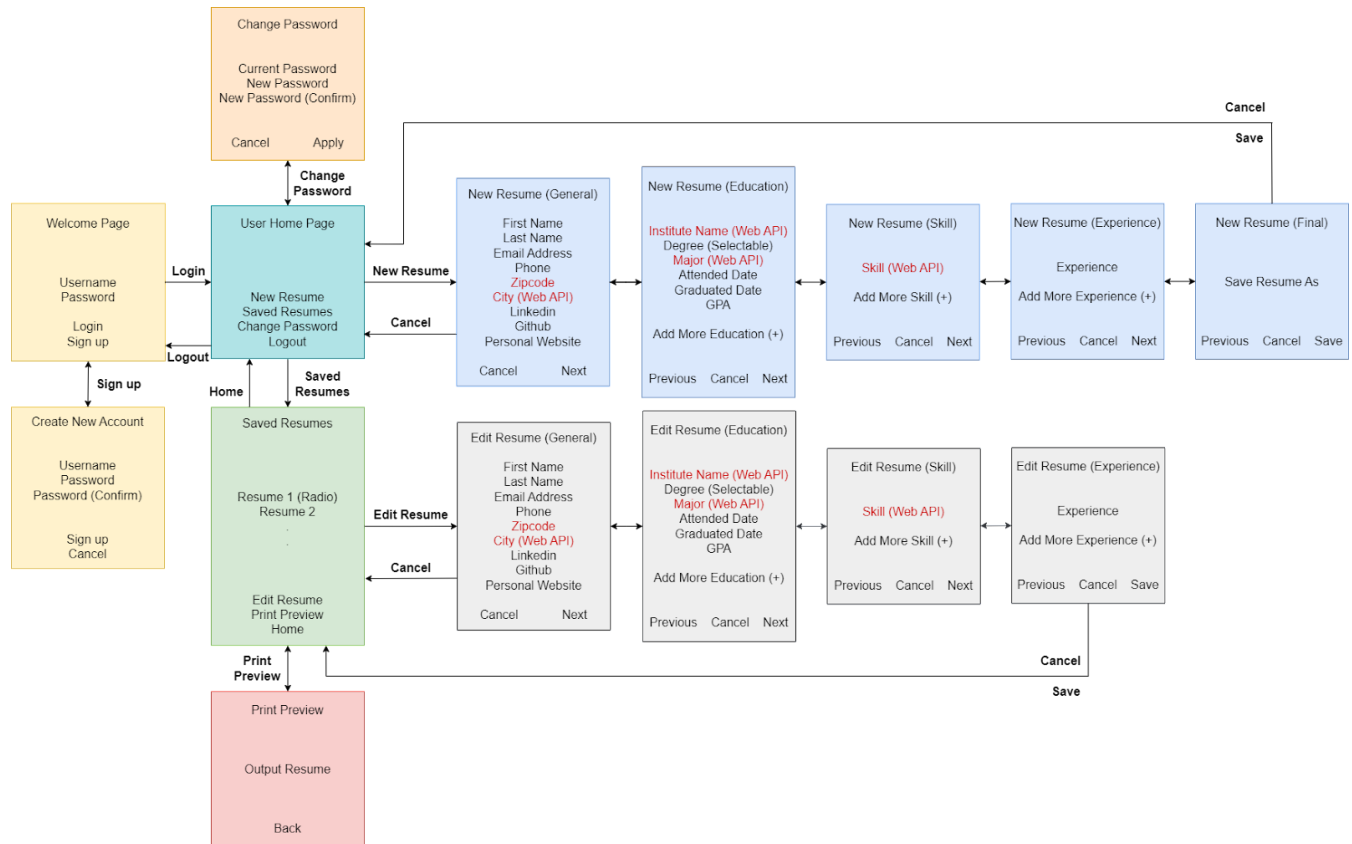
TABLE_NAME	COLUMN_NAME	IS_NULLABLE	DATA_TYPE	CHARACTER_MAXIMUM_LENGTH	COLUMN_TYPE	COLUMN_KEY	EXTRA
certificate	certificate	NO	varchar	100	varchar(100)		
certificate	certificateId	NO	int	NULL	int unsigned	PRI	auto_increment
certificate	city	YES	varchar	45	varchar(45)		
certificate	country	YES	varchar	45	varchar(45)		
certificate	earn	YES	date	NULL	date		
certificate	expire	YES	date	NULL	date		
certificate	name	YES	varchar	100	varchar(100)		
certificate	resumeId	NO	int	NULL	int unsigned	MUL	
certificate	state	YES	varchar	45	varchar(45)		
education	city	YES	varchar	45	varchar(45)		
education	country	YES	varchar	45	varchar(45)		
education	degree	NO	varchar	100	varchar(100)		
education	educationId	NO	int	NULL	int unsigned	PRI	auto_increment
education	gpa	YES	decimal	NULL	decimal(3,2)		
education	grad	YES	date	NULL	date		
education	major	NO	varchar	100	varchar(100)		
education	name	NO	varchar	100	varchar(100)		
education	resumeId	NO	int	NULL	int unsigned	MUL	
education	start	YES	date	NULL	date		
education	state	YES	varchar	45	varchar(45)		
experience	city	YES	varchar	45	varchar(45)		
experience	country	YES	varchar	45	varchar(45)		
experience	description	YES	varchar	5000	varchar(5000)		
experience	employer	NO	varchar	100	varchar(100)		
experience	end	YES	date	NULL	date		
experience	experienceId	NO	int	NULL	int unsigned	PRI	auto_increment
experience	position	NO	varchar	100	varchar(100)		
experience	resumeId	NO	int	NULL	int unsigned	MUL	
experience	start	YES	date	NULL	date		
experience	state	YES	varchar	45	varchar(45)		
resume	city	YES	varchar	45	varchar(45)		
resume	country	YES	varchar	45	varchar(45)		
resume	date	NO	date	NULL	date		
resume	email	YES	varchar	100	varchar(100)		
resume	firstName	NO	varchar	45	varchar(45)		
resume	github	YES	varchar	200	varchar(200)		
resume	lastName	NO	varchar	45	varchar(45)		
resume	linkedin	YES	varchar	200	varchar(200)		
resume	objective	NO	varchar	1000	varchar(1000)		
resume	other	YES	varchar	200	varchar(200)		
resume	phone	NO	bigint	NULL	bigint unsigned		
resume	resumeId	NO	int	NULL	int unsigned	PRI	auto_increment
resume	resumeName	NO	varchar	100	varchar(100)		
resume	state	YES	varchar	45	varchar(45)		
resume	username	NO	varchar	50	varchar(50)	MUL	
skill	resumeId	NO	int	NULL	int unsigned	MUL	
skill	skill	NO	varchar	100	varchar(100)		
skill	skillId	NO	int	NULL	int unsigned	PRI	auto_increment
user	password	NO	varchar	500	varchar(500)		
user	username	NO	varchar	50	varchar(50)	PRI	

Nima's database diagram can be seen below.



# Application Showcase

## Original Project Diagram

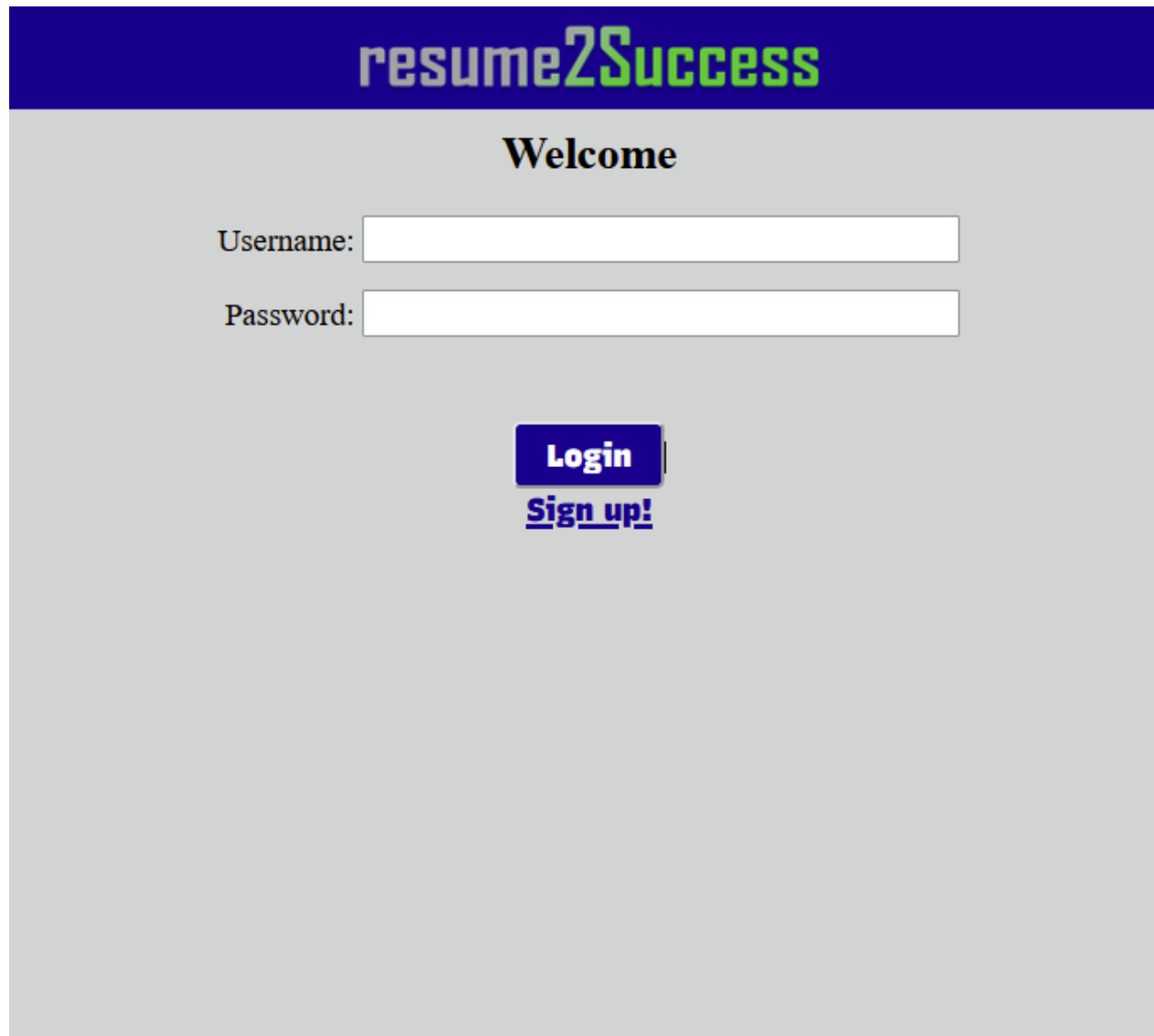


## Login View

General credentials with premade resumes to view. Remove quotations when signing in.

Username: "user"

Password: "Password1!"



The screenshot shows a web page for 'resume2Success'. The header is a dark blue bar with the text 'resume2Success' in white and green. Below the header, the word 'Welcome' is centered in a bold, black, serif font. Underneath 'Welcome', there are two input fields. The first is labeled 'Username:' and the second is labeled 'Password:'. Both labels are in a black, serif font. Below the password field, there are two buttons. The first button is dark blue with the word 'Login' in white, bold, sans-serif font. The second button is dark blue with the text 'Sign up!' in white, bold, sans-serif font, and it has a thin white border.

**resume2Success**

**Welcome**

Username:

Password:

**Login**

**Sign up!**

## Sign Up View

**resume2Success**

**New User**

Username:

Password:

Password Confirm:

**Sign up**

**Cancel**



## Dashboard View

resume2Success

New Resume

Password Change

Logout

Welcome User!

Your Resumes:

☒ Dec 13 2023: Professional Resume

☐ Dec 13 2023: Microsoft

Display

Edit

Delete

## Change Password View

<b>resume2Success</b>	<b>Change Password</b>
<b>Dashboard</b>	Current Password: <input type="text"/>
<b>New Resume</b>	New Password: <input type="text"/>
	New Password Confirm: <input type="text"/>
	<input type="button" value="Change"/>
	<u><a href="#">Cancel</a></u>
<b>Password Change</b>	
<b>Logout</b>	

## Add Resume View - General Information

**resume2Success**

**Dashboard**  
**New Resume**  
**General Information**

### Add Resume

#### General Information

First Name:\*

Last Name:\*

Email Address:\*

Phone:\*

Zipcode:

City:\*

State:\*

Country:\*

Linkedin URL:

Github URL:



Personal Website URL:

## Add Resume View - Educational Information

**resume2Success**

**Add Resume**

**Dashboard**  
**New Resume**  
**General Information**  
**Education**  
  
  
  
  
  
**Password Change**  
**Logout**

**Educational Information**  
  
Institute Name:\*   
Zipcode:   
City:\*   
State:   
Country:   
Degree:\*   
Major:\*   
Date Attended:\*    
Date Graduated:\*    
GPA:

## Add Resume View - Certifications

**resume2Success**

**Add Resume**

**Dashboard**  
**New Resume**  
**General Information**  
**Education**  
**Certifications**  
  
**Password Change**  
**Logout**

**Certifications**  
  
Institute Name:   
Zipcode:   
City:   
State:   
Country:   
Certificate:\*   
Date Earned:\*    
Expiration Date:\*  

## Add Resume View - Skills

resume2Success

Dashboard

New Resume

General Information

Education

Certifications

Skills

Password Change

Logout

Add Resume

Skills

Previous

Next

resume2Success

Dashboard

New Resume

General Information

Education

Certifications

Skills

Password Change

Logout

Add Resume

Skills

☐ HTML

☐ HTML5

☐ HtmlUnit

☐ HTML 3.2

☐ HTML Emails

☐ HTML + HTML 5

Previous

Next

## Add Resume View - Experience

**resume2Success**

**Add Resume**

**Experience**

**Dashboard**  
**New Resume**  
General Information  
Education  
Certifications  
Skills  
Experience  
  
**Password Change**  
**Logout**

Employer:\*


Zipcode:


City:

State:

Country:

Position:\*

Start Date:\*  

End Date:\*  

Description: 

Enter a description of your work experience

**Previous** **Next**

## Add Resume View - Career Objective

resume2Success

Dashboard

New Resume

General Information

Education

Certifications

Skills

Experience

Objective

Password Change

Logout

Add Resume

Career Objective

Your Objective:\*

Enter your objective for employment

Previous

Next



## Add Resume View - Save Resume

resume2Success

Dashboard

New Resume

General Information

Education

Certifications

Skills

Experience

Objective

Save Resume

Password Change

Logout

Add Resume

Save Your Resume

Resume Name:\*

Previous

Save Resume

Next

# Display Resume View

Print

## Nima Mahanloo

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<https://github.com/nmahanloo>

<https://thoughtsandfuture.wordpress.com>

## Objective:

New graduated Software Engineer skilled in developing front-end, modern client-side frameworks utilizing React+Redux. Seeking a position to bring an outside-of-the-box approach and exceptional ability to identify problems and create effective solutions that keep projects on track and under budget.

## Educations:

<b>BS in Software Engineering</b>	<i>CSU Monterey Bay</i>	Seaside, CA, USA	GPA: 3.98	Jan 10 2023 to Dec 15 2024
<b>AS in Computer Science</b>	<i>ARC</i>	Sacramento, CA, USA		Jan 15 2017 to Dec 15 2020

## Certificates:

<b>.NET CORE</b>	<i>UC DAVIS</i>	Sacramento, CA, USA	Date: Jan 01 2022	Expire: Jan 01 2024
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## Skills:

■ C++	■ Python	■ Java	■ SQL	■ JavaScript
■ HTML	■ CSS	■ Express	■ OS Programming	■ Algorithms
■ Data Structure	■ Linux Programming	■ Networking Programming	■ Multithreaded Programming	■ Object oriented Programming

## Experiences:

<b>IT Support</b> at <i>EMR CPR</i>	San Jose, CA, United States	Jun 10 2015 to Aug 10 2015
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Soroush-E-Mehr was a software company that mainly produced multimedia programs, including academic and religious programs for PC and smartphones. I was an IT Specialist.

<b>Software and Information Technology Specialist</b> at <i>Pegah Soft.</i>	Tehran, Iran	Aug 08 2008 to Aug 15 2010
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Pegah Soft was a software company that produced automation software in the medical field, such as for medical records and medical billings. I was a member of R&D and a programmer. I also helped the IT team, trained health care personnel, and provided help desk as necessary.

<b>Software Developer</b> at <i>Soroush-E-Mehr</i>	Tehran, Iran	Aug 04 2010 to Dec 19 2012
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Soroush-E-Mehr was a software company that mainly produced multimedia programs, including academic and religious programs for PC and smartphones. I was a member of the R&D.

# Requirements

Minimum Requirements	
Final Report must include Title, Description, Task distribution, Changes from original design, Database Schema and Screenshots of finished product	Information available above
Project uses at least three database tables with at least 10 fields (combined)	6 tables and 50 fields
JavaScript and CSS code must be in external files	3 external CSS and 4 external JS files
Upload all files as a zip file, including database records (export it in SQL Format)	Included in the zip

Feature Requirements	
Project allows user interaction with at least three different types of form elements (text box, select, radio, checkbox, etc).	User interaction via text box, radio buttons, buttons, checkboxes
Project uses <a href="#">Web storage Links to an external site.</a> or Sessions	Sessions to store resume fields and username
Project allow users to update existing records in the database, in a friendly way (data is pre-filled). Must update at least three fields.	Resumes can be deleted which drops their info from tables in the database. They are also able to change their password.
Project allow users to add records to the database	User information, password change, resume information, and resumes
Project must have at least 50 lines of client-side JavaScript code (e.g. form data validation, API calls, etc.)	~400 lines of JS between files
Project includes at least two local or external Web APIs As part of your submission, please explain where the Fetch calls are.	2 external APIs: <a href="https://apilayer.com/marketplace/skills-api">https://apilayer.com/marketplace/skills-api</a> <a href="https://apidocs.geoapify.com/docs/geocoding/address-autocomplete">https://apidocs.geoapify.com/docs/geocoding/address-autocomplete</a> Fetch calls are located in addResume.js
Project has a nice, professional and consistent design, free of typos. Uses at least 50 CSS properties or Bootstrap.	~600 lines of custom CSS