

Instruction For Web Project

Author: Luzhe Sun

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1.prerequisite

Make Sure ***JobSearch.db*** in the same folder with ***final.py***

2.How to Run

2.1 use terminal

run `<address>/python3 final.py`

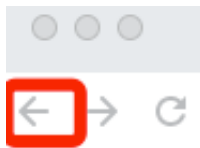
open <http://localhost:8081/>

2.2 use IDE

run ***final.py***

open <http://localhost:8081/>

2.3 IF you want to go back to previous page, make sure use Chrome



link provided in result page may not lead you to where you want.

3.Function Display

RelationX: applicants

RelationY: resumes

3.1 initial page

By click link, you can directly see the display of all applicants and resumes which is just a impression for user to see what these two tables look like.

Job Search Database

name	description	link
Applicants	This table shows the basic information about applicants, include their name, major, and so on	Go to applicants!
Resumes	This table shows resume for application, include version and applicants email	Go to resumes!

Search Tool Apply on Applicants Table

[Let go to try search tool!](#)

3.1.1 all applicants

You can delete/update applicants here. You can also see user resume or create resume here.

all applicants

email	name	birthday	country	major	delete me	update me	show resume	create resume
MichaelBraden148@163.com	Michael Braden	2001-06-01	Mexico	Biological	delete me	update me	show resume	create resume
PamWelch944@qq.com	Pam Welch	2001-06-01	England	Agriculture	delete me	update me	show resume	create resume
CherieFernandez666@qq.com	Cherie Fernandez	2001-06-01	India	Art	delete me	update me	show resume	create resume
DonaldBird813@gmail.com	Donald Bird	2001-06-01	South Korean	Agriculture	delete me	update me	show resume	create resume
GeorgeTorres741@163.com	George Torres	2001-06-01	England	Biological	delete me	update me	show resume	create resume
MirtaEscamilla629@firefox.com	Mirta Escamilla	2001-06-01	China	Business	delete me	update me	show resume	create resume
WilliamGonzalez364@uchicago.edu	William Gonzalez	2001-06-01	England	Education	delete me	update me	show resume	create resume
SandraWagner410@firefox.com	Sandra Wagner	2001-06-01	Mexico	Law	delete me	update me	show resume	create resume
GailLopinto394@stanford.edu	Gail Lopinto	2001-06-01	United States	Business	delete me	update me	show resume	create resume
MartinJohnson695@firefox.com	Martin Johnson	2001-06-01	Mexico	Computer and information sciences	delete me	update me	show resume	create resume

3.1.2 all resumes

You can even delete resumes here

all resumes

id	version	major	email	
1000	36	Psychology	KirkSharp742@harvard.edu	delete me
1001	20	Computer and information sciences	AvaHubert353@stanford.edu	delete me
1002	33	Biological	LloydNunnenkamp735@uchicago.edu	delete me
1003	36	Agriculture	MaryLapidus900@cmu.edu	delete me
1004	57	Biological	BillyMorris890@tiktok.com	delete me
1005	15	Psychology	JohnHodgson698@stanford.edu	delete me
1006	46	Education	GailLopinto394@stanford.edu	delete me
1007	56	Computer and information sciences	NellyJohnson787@firefox.com	delete me
1008	16	Biological	StephenGarcia652@cmu.edu	delete me
1009	45	Biological	MirtaEscamilla629@firefox.com	delete me
10010	25	Biological	MaryLapidus900@cmu.edu	delete me
10011	31	Physical sciences	HomerBranch201@MIT.edu	delete me
10012	23	Biological	BillyMorris890@tiktok.com	delete me
10013	33	Agriculture	HunterDorman382@stanford.edu	delete me
10014	32	Physical sciences	AdamNelson247@firefox.com	delete me

3.2 Search And Search Results

Click "***Let go to try search tool!***" to get into search page

Search Tool Apply on Applicants Table

Let go to try search tool!



3.2.1 both input empty

click search, you can see all the applicants (20 record shows)

Search Applicants

fill below to find applicants you want

Email(**):

Country:

Search

Wanna Add An Applicants?

fill below to find applicants you want

Email:

name:

birthday:

applicants searched by email and country

Go back to [search edge](#)

email	name	birthday	country	major				
MichaelBraden148@163.com	Michael Braden	2001-06-01	Mexico	Biological	delete me	update me	show resume	create resume
PamWelch944@qq.com	Pam Welch	2001-06-01	England	Agriculture	delete me	update me	show resume	create resume
CherieFernandez666@qq.com	Cherie Fernandez	2001-06-01	India	Art	delete me	update me	show resume	create resume
DonaldBird813@gmail.com	Donald Bird	2001-06-01	South Korean	Agriculture	delete me	update me	show resume	create resume
GeorgeTorres741@163.com	George Torres	2001-06-01	England	Biological	delete me	update me	show resume	create resume
MirtaEscamilla629@firefox.com	Mirta Escamilla	2001-06-01	China	Business	delete me	update me	show resume	create resume
WilliamGonzalez364@uchicago.edu	William Gonzalez	2001-06-01	England	Education	delete me	update me	show resume	create resume
SandraWagner410@firefox.com	Sandra Wagner	2001-06-01	Mexico	Law	delete me	update me	show resume	create resume
GailLopinto394@stanford.edu	Gail Lopinto	2001-06-01	United States	Business	delete me	update me	show resume	create resume
MartinJohnson695@firefox.com	Martin Johnson	2001-06-01	Mexico	Computer and information sciences	delete me	update me	show resume	create resume
DeloresAnaya597@qq.com	Delores Anaya	2001-06-01	India	Education	delete me	update me	show resume	create resume
MarylinUresti729@MIT.edu	Marylin Uresti	2001-06-01	Mexico	Biological	delete me	update me	show resume	create resume
WallacePerry237@tiktok.com	Wallace Perry	2001-06-01	Russia	human sciences	delete me	update me	show resume	create resume
MartinChiles104@uchicago.edu	Martin Chiles	2001-06-01	France	Business	delete me	update me	show resume	create resume
DavidBailey547@MIT.edu	David Bailey	2001-06-01	England	Law	delete me	update me	show resume	create resume
ErikaLewis773@harvard.edu	Erika Lewis	2001-06-01	United States	Mathematics and statistics	delete me	update me	show resume	create resume
PhyllisHarnois614@uchicago.edu	Phyllis Harnois	2001-06-01	Japan	Computer and information sciences	delete me	update me	show resume	create resume
ShirleenDeckard863@uchicago.edu	Shirleen Deckard	2001-06-01	Russia	Computer and information sciences	delete me	update me	show resume	create resume
EmilePace929@qq.com	Emile Pace	2001-06-01	Japan	Mathematics and statistics	delete me	update me	show resume	create resume
TonyaCooper385@uchicago.edu	Tonya Cooper	2001-06-01	China	human sciences	delete me	update me	show resume	create resume

3.2.2 wildcard(like) search

Want to know who comes from mit? No need to get full email. Just input **MIT**

Search Applicants

fill below to find applicants you want

Email(**):

MIT

Country:

Search

applicants searched by email and country

Go back to [search edge](#)

email	name	birthday	country	major				
MarylinUresti729@MIT.edu	Marylin Uresti	2001-06-01	Mexico	Biological	delete me	update me	show resume	create resume
DavidBailey547@MIT.edu	David Bailey	2001-06-01	England	Law	delete me	update me	show resume	create resume
TinaHirschman664@MIT.edu	Tina Hirschman	2001-06-01	France	Psychology	delete me	update me	show resume	create resume
AnnReid321@MIT.edu	Ann Reid	2001-06-01	Russia	Business	delete me	update me	show resume	create resume
ChristopherBrown373@MIT.edu	Christopher Brown	2001-06-01	Japan	Mathematics and statistics	delete me	update me	show resume	create resume
HomerBranch201@MIT.edu	Homer Branch	2001-06-01	England	Psychology	delete me	update me	show resume	create resume
DiannaMcdonough255@MIT.edu	Dianna Mcdonough	2001-06-01	Mexico	Physical sciences	delete me	update me	show resume	create resume
MildredMulholland242@MIT.edu	Mildred Mulholland	2001-06-01	Mexico	Computer and information sciences	delete me	update me	show resume	create resume
SophieSmith143@qq.com	Sophie Smith	2001-06-01	Mexico	Art	delete me	update me	show resume	create resume
CharlesCurran646@MIT.edu	Charles Curran	2001-06-01	Japan	Law	delete me	update me	show resume	create resume

3.2.3 search by selection

Want to know who comes from China? Just select China

Search Applicants

fill below to find applicants you want

Email(**):

Country:

✓ China

United States

Japan

South Korean

India

Mexico

England

India

applicants searched by email and country

Go back to [search edge](#)

email	name	birthday	country	major				
MirtaEscamilla629@firefox.com	Mirta Escamilla	2001-06-01	China	Business	delete me	update me	show resume	create resume
TonyaCooper385@uchicago.edu	Tonya Cooper	2001-06-01	China	human sciences	delete me	update me	show resume	create resume
KatherineLane872@stanford.edu	Katherine Lane	2001-06-01	China	Law	delete me	update me	show resume	create resume
BrittanyGearing690@harvard.edu	Brittany Gearing	2001-06-01	China	Biological	delete me	update me	show resume	create resume
ViolaDavis402@harvard.edu	Viola Davis	2001-06-01	China	Education	delete me	update me	show resume	create resume
JonathanCarr622@qq.com	Jonathan Carr	2001-06-01	China	Computer and information sciences	delete me	update me	show resume	create resume
LeonAcosta659@gmail.com	Leon Acosta	2001-06-01	China	Education	delete me	update me	show resume	create resume
DavidDunham926@qq.com	David Dunham	2001-06-01	China	Agriculture	delete me	update me	show resume	create resume
JaneRoss311@stanford.edu	Jane Ross	2001-06-01	China	Physical sciences	delete me	update me	show resume	create resume
AdamNelson247@firefox.com	Adam Nelson	2001-06-01	China	Education	delete me	update me	show resume	create resume
MichaelVansickle553@firefox.com	Michael Vansickle	2001-06-01	China	Physical sciences	delete me	update me	show resume	create resume
haha@Uchicago.edu	haha	1998-01-09	China	software engineering	delete me	update me	show resume	create resume

3.2.4 combine search

China + "qq.com"

Search Applicants

fill below to find applicants you want

Email(**):

Country:

applicants searched by email and country

Go back to [search edge](#)

email	name	birthday	country	major				
JonathanCarr622@qq.com	Jonathan Carr	2001-06-01	China	Computer and information sciences	delete me	update me	show resume	create resume
DavidDunham926@qq.com	David Dunham	2001-06-01	China	Agriculture	delete me	update me	show resume	create resume

3.3 New Record

Below Search Page you can see:

Fill the blank to add new applicant. Be careful about the input!

Wanna Add An Applicants?

fill below to find applicants you want

Email: MUST CONTAIN @

name:

birthday: MUST IN FORMAT YYYY-MM-DD

country:

major:

Input

Wanna Add An Applicants?

fill below to find applicants you want

Email: aaa@aa.com

name: aaa

birthday: 1998-01-09

country: China

major: Database

Input

Add successfully

applicants searched by email and country
Go back to [search edge](#)

email	name	birthday	country	major				
aaa@aa.com	aaa	1998-01-09	China	Database	delete me	update me	show resume	create resume

3.4 Update Record

Change [aaa@aa.com](#) name into "bbb", birthday "2000-02-02", country "England" major "math"

let's try

applicants searched by email and country
Go back to [search edge](#)

email	name	birthday	country	major				
aaa@aa.com	aaa	1998-01-09	China	Database	delete me	update me	show resume	create resume

You are updating user: [aaa@aa.com](#)

name:

birthday:

country:

major:

Update

We make it!

applicants searched by email and country
Go back to [search edge](#)

email	name	birthday	country	major				
aaa@aa.com	bbb	2000-02-02	England	math	delete me	update me	show resume	create resume

3.5 Add Related Records

Now help aaa upload a new resume

applicants searched by email and country
Go back to [search edge](#)

email	name	birthday	country	major				
aaa@aa.com	bbb	2000-02-02	England	math	delete me	update me	show resume	create resume

You are creating Resume For Applicant:aaa@aa.com

Make Sure Your ID >10099 and never duplicat

resume_id:

version:

interest:

Create

You are creating Resume For Applicant:aaa@aa.com

Make Sure Your ID >10099 and never duplicat

resume_id: 99999

version: 99

interest: database

Create

Create successfully!

Resume99999for applicant aaa@aa.com created
return to [resume page](#)

3.6 View Related Records

Now let's see what we added

applicants searched by email and country

Go back to [search edge](#)

email	name	birthday	country	major			
aaa@aa.com	bbb	2000-02-02	England	math	delete me	update me	show resume create resume

You got it!

all resumes

id	version	interest	email	
99999	99	database	aaa@aa.com	delete me

You can delete any resume belong to this user here. Though it's not a command for final project.

3.7 Delete Record

Finally you can delete record. **BE CAREFUL** , delete is cascade. If you delete applicants, all his/her resumes will be deleted too.

applicants searched by email and country

Go back to [search edge](#)

email	name	birthday	country	major				
aaa@aa.com	bbb	2000-02-02	England	mat	delete me	update me	show resume	create resume

aaa@aa.com deleted Resume foraaa@aa.com is also deleted
return to [search page](#)

Now you can't find neither the user bbb nor his/her resume.