Student Survey Application

Team Members:

- 1. Yasaswini Vedula-G01414327
- 2. Anusha Jagadish -G01394233
- 3. Akshita Srikanth- G01393896
- 4. Nikitha Reddy Mukkala-G01411755
- 5. Akhila Gopalakrishna Penukonda -G01353181

Description:

We built this application with Angular, Node.js, Spring Boot, and the MySQL database, and we implemented CRUD operations. This application's Welcomepage includes two buttons which redirect to the respective pages: survey Form and list all surveys. where user can fill complete and submit the form. By clicking on the list all surveys button, we will be sent to a page where we can view a list of all surveys submitted by users, as well as update and delete buttons next to each record; once the user clicks on the update/delete button, he will be able to update or delete that specific record.

Technologies:

- Angular
- Node.js
- Spring Boot

IDE:

- Visual Studio Code
- MySQL server/ work bench

Execution Steps:

- 1. Installed Node.js and Angular CLI.
- 2. Installed IDE (Visual Studio Code) and downloaded extension for spring boot.
- 3. In the command prompt, used "ng new project-name" to create a new angular project, followed by "ng generate component component-name" for creating components

- 4. In vscode, opened the angular project generated in the previous step to design the frontend.
- 5. Designed the backend code spring web, spring data jpa and MySQL jdbc driver dependencies
- 6. After starting spring boot application you can access this using this url http://localhost:8080.
- 7. started the Angular Application using command "ng serve" and navigate to the link to view the application http://localhost:4200.

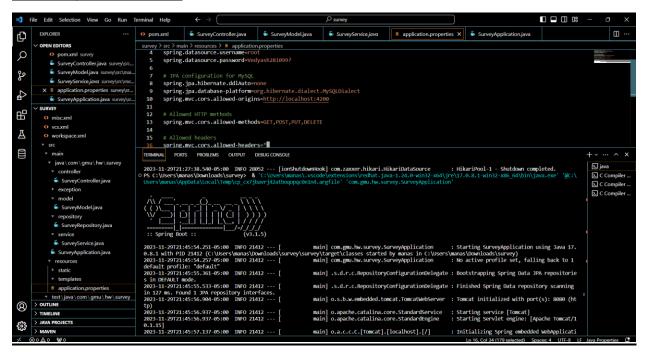
Screenshots:

Starting Angular Application:

```
Microsoft Windows [Version 10.0.22621.2715]
(c) Microsoft Corporation. All rights reserved.
src/app/survey-form/survey-form.component.html:183:53:
    183 | ...ton type="submit" [disabled]="!surveyForm?.valid">Submit</button>
  Error occurs in the template of component SurveyFormComponent.
    src/app/survey-form/survey-form.component.ts:17:15:
     17     templateUrl: './survey-form.component.html',
Initial Chunk Files | Names
                                    Raw Size
polyfills.js | polyfills
                                   82.71 kB
59.03 kB
                  main
main.js
styles.css
                                  95 bytes
                 styles
                  | Initial Total | 141.83 kB
Application bundle generation complete. [14.881 seconds]
Watch mode enabled. Watching for file changes...

→ Local: http://localhost:4200/
```

Running of Backend:



Welcome-Page:

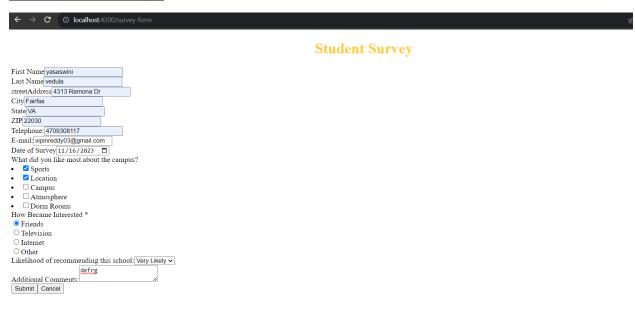


Welcome to SWE 642 Assignment 3. You can redirect to surveyForm and List of all surveys by using below buttons.

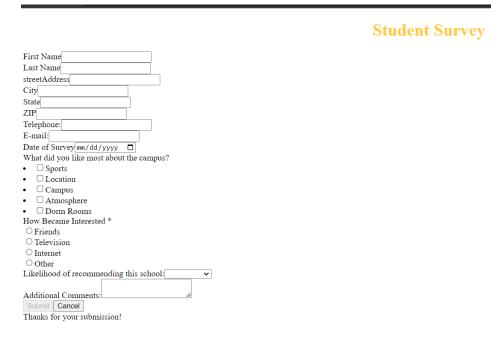
- YasaswiniAnushaAkhilaAkshitaNikitha

Go to Survey Form

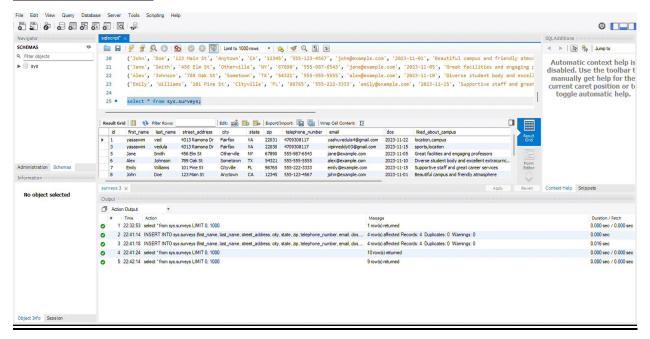
Survey Form Page:



Survey Form Page showing Thankyou Message:



SQL Workbench:



Survey List:

Surveys List

1	ID Firs Nam		Street Address	City	State	Zip Telephone Number	Email	Date of Survey	Liked Most About Campus	How Became Interested	Likelihood of Recommending	Additional Comments	
	1 yasasw	ini ved	4313 Ramona Dr	Fairfax	VA	22031 4709308117	yashuvedula4@gmail.com	2023-11- 22T05:00:00.000+00:00	location,campus	friends	Likely	Ні	Update delete
	3 yasasw	ini vedula	4313 Ramona Dr	Fairfax	VA	22030 4709308117	vipinreddy03@gmail.com	2023-11- 15T05:00:00.000+00:00	sports,location	friends	Very Likely	defrg	Update delete
	5 Jane	Smith	456 Elm S	t Otherville	NY	67890 555-987-6543	jane@example.com	2023-11- 05T04:00:00.000+00:00	Great facilities and engaging professors	Friend referral	Likely	Could improve parking options.	Update delete
	6 Alex	Johnson	789 Oak S	t Sometown	ı TX	54321 555-555-5555	alex@example.com	2023-11- 10T05:00:00.000+00:00	Diverse student body and excellent extracurriculars	Social media	Highly likely	No complaints, fantastic experience!	Update delete
	7 Emily	Williams	101 Pine St	Cityville	FL	98765 555-222-3333	emily@example.com	2023-11- 15T05:00:00.000+00:00	Supportive staff and great career services	Campus event	Very likely	Could use more study areas.	Update delete
:	8 John	Doe	123 Main St	Anytown	CA	12345 555-123-4567	john@example.com	2023-11- 01T04:00:00.000+00:00	Beautiful campus and friendly atmosphere	Website	Highly likely	Great experience overall!	Update delete
9	9 Jane	Smith	456 Elm S	t Otherville	NY	67890 555-987-6543	jane@example.com	2023-11- 05T04:00:00.000+00:00	Great facilities and engaging professors	Friend referral	Likely	Could improve parking options.	Update delete
	10 Alex	Johnson	789 Oak S	t Sometown	n TX	54321 555-555-5555	alex@example.com	2023-11- 10T05:00:00.000+00:00	Diverse student body and excellent extracurriculars	Social media	Highly likely	No complaints, fantastic experience!	Update delete
	11 Emily	Williams	101 Pine St	Cityville	FL	98765 555-222-3333	emily@example.com	2023-11- 15T05:00:00.000+00:00	Supportive staff and great career services	Campus event	Very likely	Could use more study areas.	Update delete

After Deletion:

Surveys List

I	D First	Last Name	Street Address	City	State	Zip	Telephone Number	Email	Date of Survey	Liked Most About Campus	How Became Interested	Likelihood of Recommending	Additional Comments	
5	Jane	Smith	456 Elm St	Otherville	NY	67890	555-987-6543		2023-11- 05T04:00:00.000+00:00	Great facilities and engaging professors	Friend referral	Likely	Could improve parking options.	Update delete
6	Alex	Johnson	789 Oak St	Sometown	TX	54321	555-555-5555	alex@example.com		Diverse student body and excellent extracurriculars	Social media	Highly likely	No complaints, fantastic experience!	Update delete
7	Emily	Williams	101 Pine St	Cityville	FL	98765	555-222-3333	emily@example.com	2023-11- 15T05:00:00.000+00:00	Supportive staff and great career services	Campus event	Very likely	Could use more study areas.	Update delete
8	John	Doe	123 Main St	Anytown	CA	12345	555-123-4567			Beautiful campus and friendly atmosphere	Website	Highly likely	Great experience overall!	Update delete
9	Jane	Smith	456 Elm St	Otherville	NY	67890	555-987-6543		2023-11- 05T04:00:00.000+00:00	Great facilities and engaging professors	Friend referral	Likely	Could improve parking options.	Update delete
1	0 Alex	Johnson	789 Oak St	Sometown	TX	54321	555-555-5555		2023-11- 10T05:00:00.000+00:00	Diverse student body and excellent extracurriculars	Social media	Highly likely	No complaints, fantastic experience!	Update delete
1	1 Emily	Williams	101 Pine St	Cityville	FL	98765	555-222-3333	emily@example.com	2023-11- 15T05:00:00.000+00:00	Supportive staff and great career services	Campus event	Very likely	Could use more study areas.	Update delete

Updating form data fetching and changed some values for updating:

First Name Emily
Last Name Williams
streetAddress 101 Pine St
City Cityville
State FL
ZIP 98765
Telephone: 555-222-33
E-mail: emily@example.com
Date of Survey 2023-11-15T05:00:00.000+1
What did you like most about the campus?
 □ Sports
• Cartion
 □ Campus
 ■ Atmosphere
 □ Dorm Rooms
How Became Interested *
O Friends
O Television
O Internet
Other
Likelihood of recommending this school:
Co use more.
Additional Comments:
Update

After Updating:

Surveys List

I	D First Name	Last Name	Street Address	City	State	Zip	Telephone Number	Email	Date of Survey	Liked Most About Campus	How Became Interested	Likelihood of Recommending	Additional Comments	
5	Jane	Smith	456 Elm S	t Otherville	NY	67890 5	55-987-6543	jane@example.com	2023-11- 05T04:00:00.000+00:00	Great facilities and engaging professors	Friend referral	Likely	Could improve parking options.	Update delete
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1	1 Emily	Williams	101 Pine St	Cityville	FL	98765 5	555-222-33	emily@example.com	2023-11- 15T05:00:00.000+00:00		Campus event	Very likely	Co use more.	Update delete