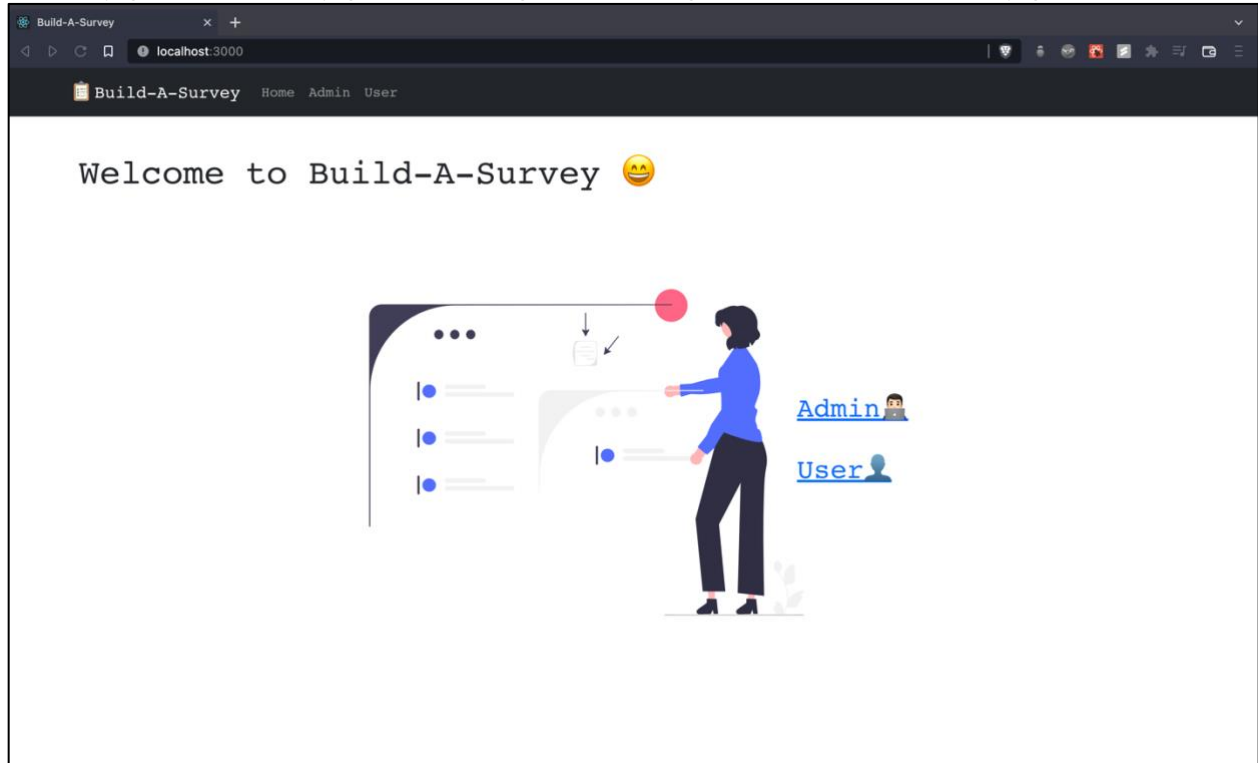


Build-A-Survey.

Technological stack: React.js, Node.js, Express.js, MySQL Server & Workbench
Developed by: Jaiganesh Rao (Graduate student at Stevens Institute of Technology)
Email: jrao1@stevens.edu
CWID: 10477797

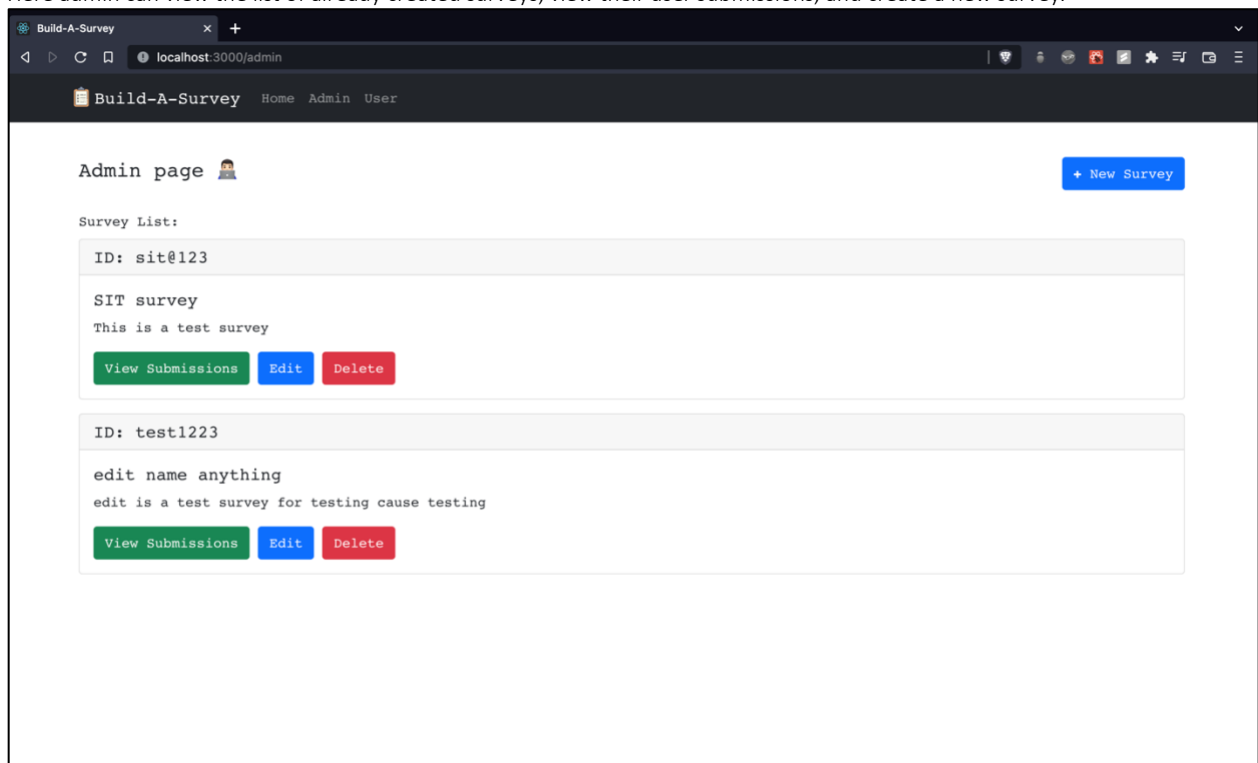
Homepage:

The homepage and all the other pages contain a navigation bar to navigate the Home, Admin, and User pages.



Admin page:

Here admin can view the list of already created surveys, view their user submissions, and create a new survey.



Let's create a new survey.

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/admin/newsurvey'. The page title is 'Build-A-Survey' and the navigation bar includes 'Home', 'Admin', and 'User' links. The main heading is 'New Survey'. To the right of the heading are two buttons: '+ Add Question' (blue) and 'Create Survey' (green). Below the heading are three input fields: 'Survey ID', 'Survey Name', and 'Survey Description' (a larger text area). The 'Survey ID' field contains the text 'sit@2022-23', 'Survey Name' contains 'SIT Survey 2022', and 'Survey Description' contains 'Survey for the computer science department's graduate students to gather feedback about the student life at Stevens Institute of Technology for the academic year 2022-23.'.

The screenshot shows the 'New Question' form in the 'Build-A-Survey' application. The 'Survey ID' field contains 'sit@2022-23', 'Survey Name' contains 'SIT Survey 2022', and 'Survey Description' contains 'Survey for the computer science department's graduate students to gather feedback about the student life at Stevens Institute of Technology for the academic year 2022-23.' Below the description are two smiley face icons. The 'New Question' section is numbered '1.' and contains a text input field with the question 'what type of lecture delivery mode are you comfortable with?'. Below the question is a 'Type' dropdown menu set to 'Multiple'. There are four options listed: 'a. Online', 'b. Offline', 'c. Hybrid', and 'd. Ok with any'. Each option has three buttons to its right: an up arrow, a down arrow, and an 'X' button. Below the options are three buttons: '+ Add Option', 'Save', and 'Delete'. The 'New Question' section is numbered '2.' and contains a text input field with the text 'New Question'. Below the text input are three buttons: 'Edit', 'Delete', and two arrow buttons (up and down).

Build-A-Survey

localhost:3000/admin/newsurvey

Build-A-SurveyHomeAdminUser

New Survey

+ Add Question

Create Survey

sit@2022-23

SIT Survey 2022

Survey for the computer science department's graduate students to gather feedback about the student life at Stevens Institute of Technology for the academic year 2022-23.

1. what type of lecture delivery mode are you comfortable with?

☐ Online

☐ Offline

☐ Hybrid

☐ Ok with any

EditDelete

▲▼

2. Provide your programming language proficiency

☐ Java

☐ Python

☐ Javascript

☐ SQL

☐ C++

☐ C#

☐ GoLang

☐ Ruby

EditDelete

▲▼

3. Student Likert question for academic year 2021-22

☐ I m fully focused at my studies

Build-A-Survey

localhost:3000/admin/newsurvey

Build-A-SurveyHomeAdminUser

localhost:3000 says
Survey sit@2022-23 created

OK

+ Add Question

Create Survey

New Survey

+ Add Question

Create Survey

sit@2022-23

SIT Survey 2022

Survey for the computer science department's graduate students to gather feedback about the student life at Stevens Institute of Technology for the academic year 2022-23.

1. what type of lecture delivery mode are you comfortable with?

☐ Online

☐ Offline

☐ Hybrid

☐ Ok with any

EditDelete

▲▼

2. Provide your programming language proficiency

☐ Java

☐ Python

☐ Javascript

☐ SQL

☐ C++

☐ C#

☐ GoLang

☐ Ruby

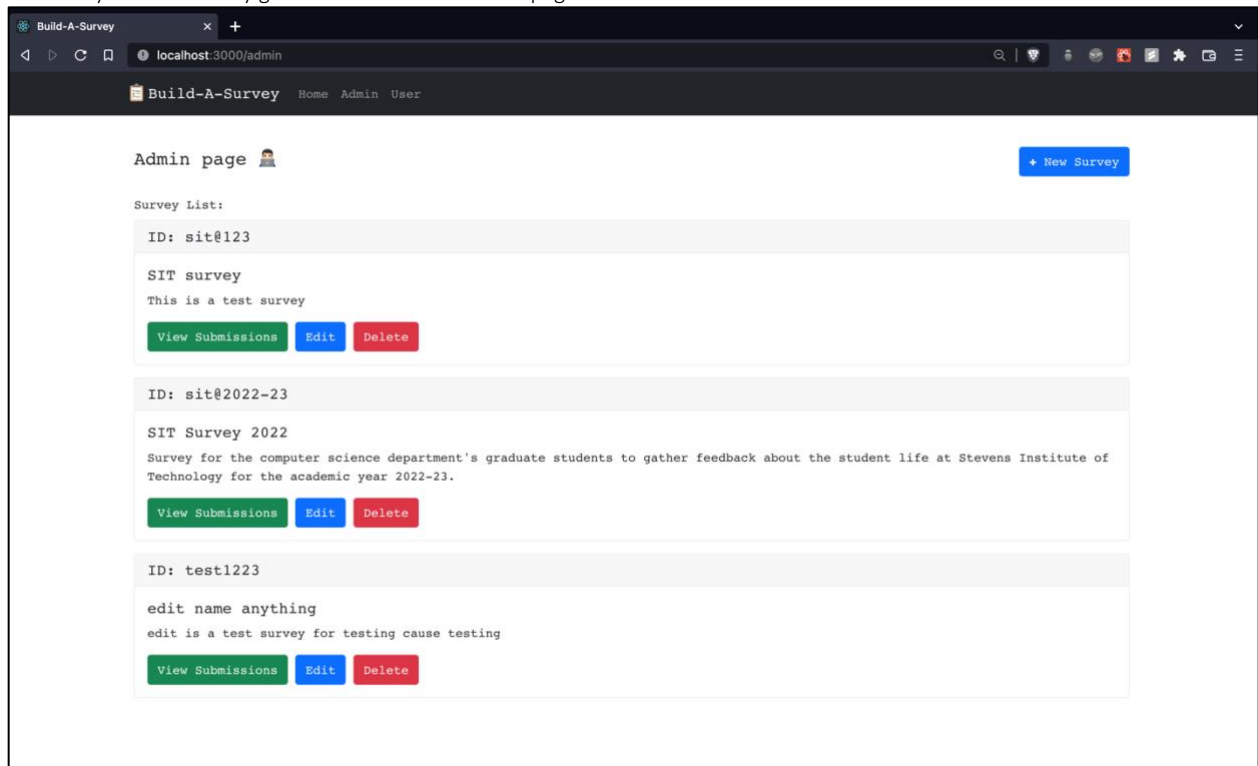
EditDelete

▲▼

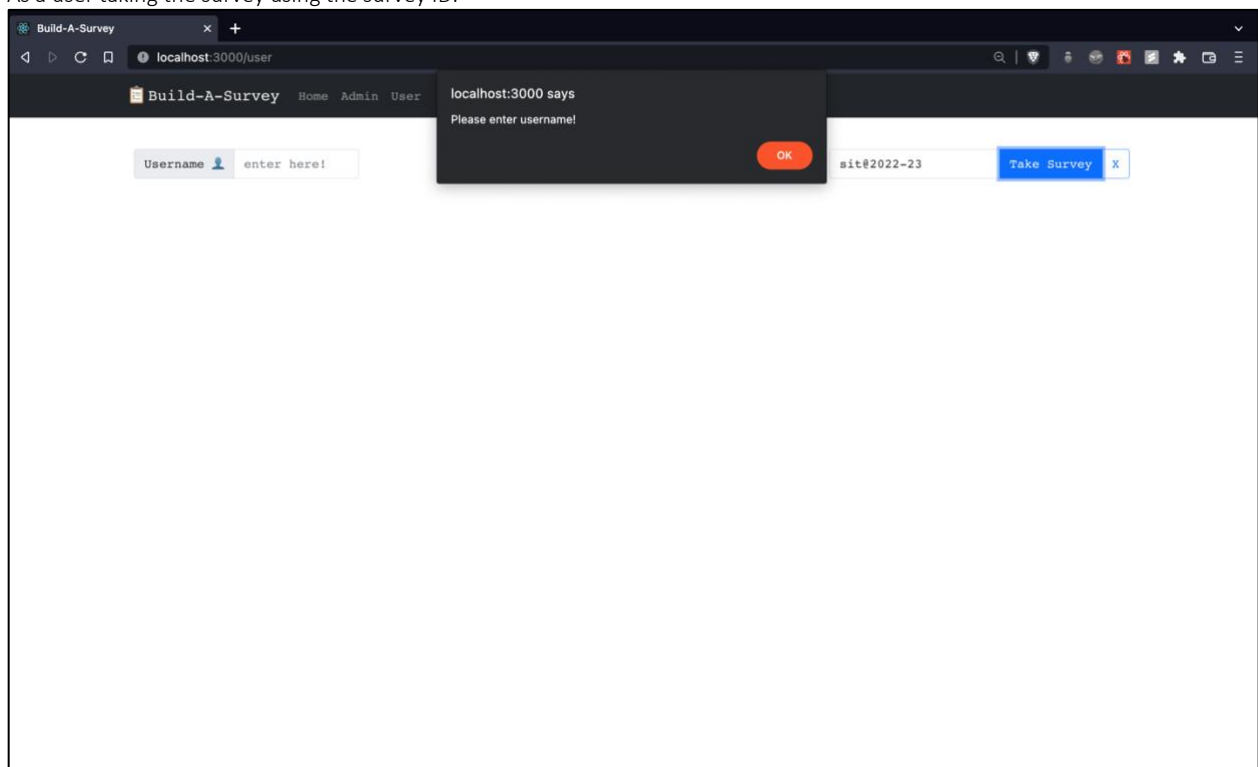
3. Student Likert question for academic year 2021-22

☐ I m fully focused at my studies

The newly created survey gets reflected on the admin page.



As a user taking the survey using the survey ID.



Build-A-Survey

localhost:3000/user

Build-A-SurveyHomeAdminUser

Usernamejaiganesh123

Enter Survey ID

Take SurveyX

You are attempting the survey:

SIT Survey 2022

ID: "sit@2022-23"

Survey for the computer science department's graduate students to gather feedback about the student life at Stevens Institute of Technology for the academic year 2022-23.

1. what type of lecture delivery mode are you comfortable with?

Multiple

a. ☒ Ok with any

b. ☒ Online

c. ☐ Offline

d. ☒ Hybrid

2. Student Likert question for academic year 2021-22

Likert

Not At All Like Me: Not Very Like Me: A Little Like Me: Somewhat Like Me: Very Like Me:

a. The ambiguity and uncertainty in a course gives me the opportunity to reach more

b. I look to help other student for peer learning

c. I m fully focused at my studies

Build-A-Survey

localhost:3000/user

Build-A-SurveyHomeAdminUser

b. C#

c. GoLang

d. Ruby

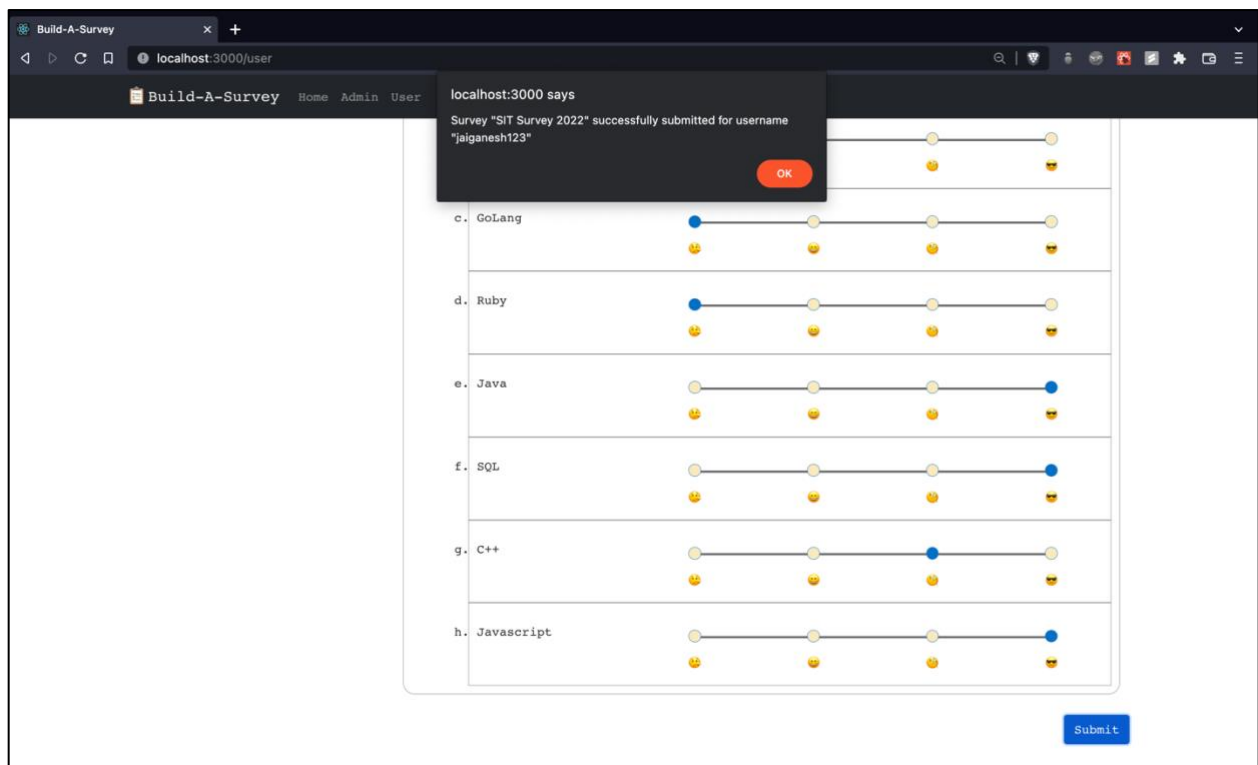
e. Java

f. SQL

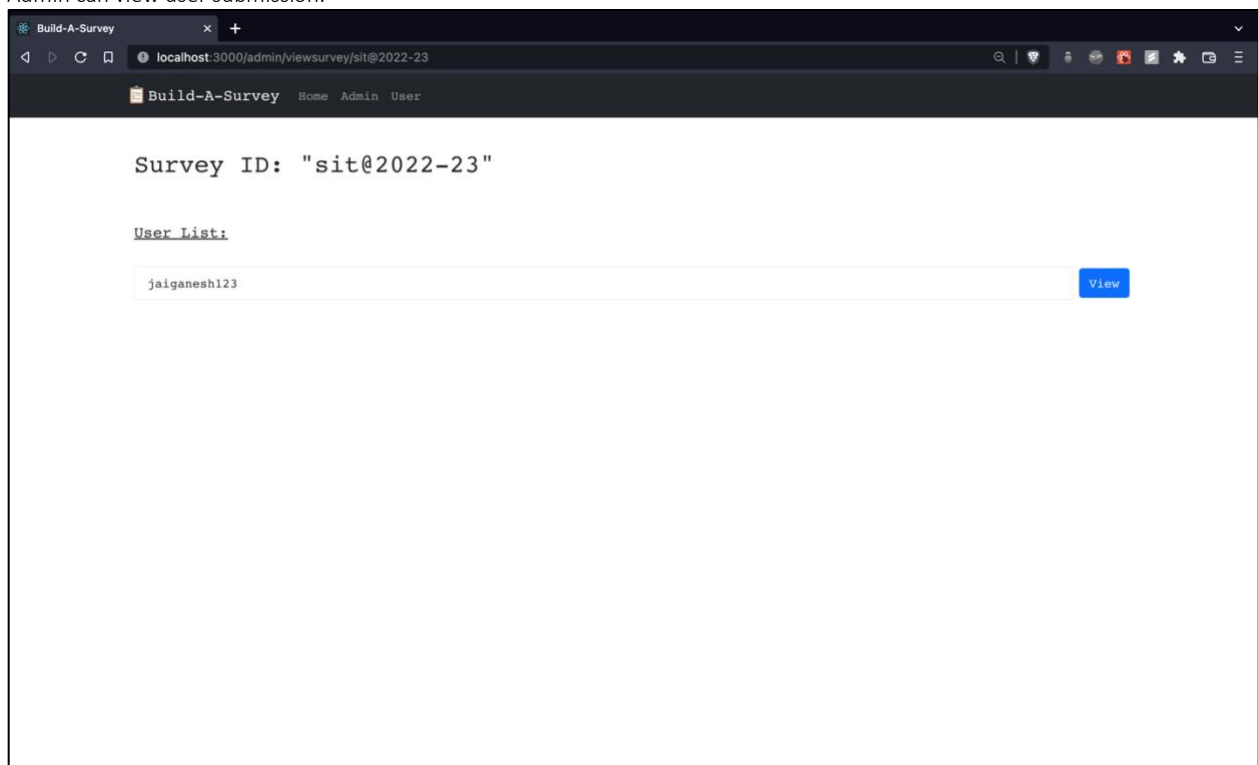
g. C++

h. Javascript

Submit



Admin can view user submission.



Build-A-Survey

localhost:3000/admin/viewsurvey/sit@2022-23/c74edceb-4017-40da-90f6-5c45ce271e13

Build-A-Survey Home Admin User

jaiganesh123's response for:

SIT Survey 2022
ID: "sit@2022-23"

Survey for the computer science department's graduate students to gather feedback about the student life at Stevens Institute of Technology for the academic year 2022-23.

1. what type of lecture delivery mode are you comfortable with? Multiple

a. ☒ Ok with any
b. ☒ Online
c. ☐ Offline
d. ☒ Hybrid

2. Student Likert question for academic year 2021-22 Likert

Hot At All Like Me: Not Very Like Me: A Little Like Me: Somewhat Like Me: Very Like Me:

a. The ambiguity and uncertainty in a course gives me the opportunity to reach more

b. I look to help other student for peer learning

c. I m fully focused at my studies

d. I m motivated to learn new technologies

Admin can also edit the survey details.

Build-A-Survey

localhost:3000/admin/editsurvey/sit@2022-23

Build-A-Survey Home Admin User

Survey ID: sit@2022-23

Survey Name

SIT Survey 2022

Survey Description

Survey for the computer science department's graduate students to gather feedback about the student life at Stevens Institute of

Cancel Save

Database table:

surveyList (id, name, description)
questions (qid, question, type, surveyId)
questionChoices (cid, cQuestion, questionId, surveyId)
user(uld, username, surveyId)
answers(ald, uld, answer, questionId, cQuestionId, surveyId)

Entity Relational diagram:

