

DataVisualizer App documentation

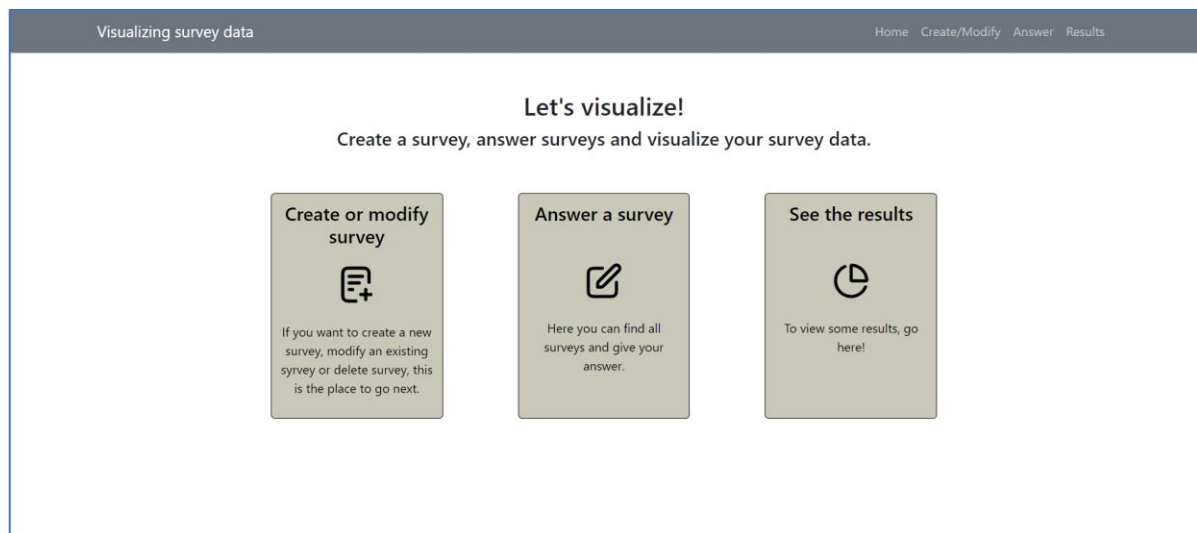
1. Structure of the App:

a. app.js:

```
<>
  <Header />
  <Routes>
    <Route path="/" element={<LandingPage />} />
    <Route path="/answer" element={<AnswerSurvey />} />
    <Route path="/results" element={<Results />} />
    <Route path="/create" element={<CreateSurvey />} />
    <Route path="/thanks" element={<ThankYou />} />
  </Routes>
</>
```

b. views:

- Header with navigation buttons to Home/Create/Answer/Results
- Landing Page / Home



- Create survey

To modify or delete an existing survey:

[Modify/delete an existing survey](#)

To create a question, choose what kind of a question do you want to use. The question types are: dropdown, multiple choices and free text.

Give your survey a short and descriptive title:

Write a short description of the survey:











Choose what kind of a question to add:

Dropdown +	Multiple choice +	Free text +
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[Submit survey](#)

- Modify survey

List of available surveys:

- What to do in the summer?  
- Favorite coding language  
- Favorite dish  
- Basics of JavaScript - Exam  
- Testataan  

Modify: What to do in the summer?

Give your survey a short and descriptive title:


What to do in the summer?

Write a short description of the survey:





This survey is collecting data on what people would like to do during summer.

Question 1. (dropdown)

Which of the the following would you like to do the most?

Save changes 

Dropdown options:

- Travel Save changes 
- Beach and swimming Save changes 
- Coding Save changes 
- Diving Save changes 

Add new option

- Answer survey


List of available surveys:

- What to do in the summer?
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What to do in the summer?

Description of the survey: This survey is collecting data on what people would like to do during summer.

1. Which of the the following would you like to do the most?

Answer options 

2. Write shortly about your favorite summer memory.

Write your answer here

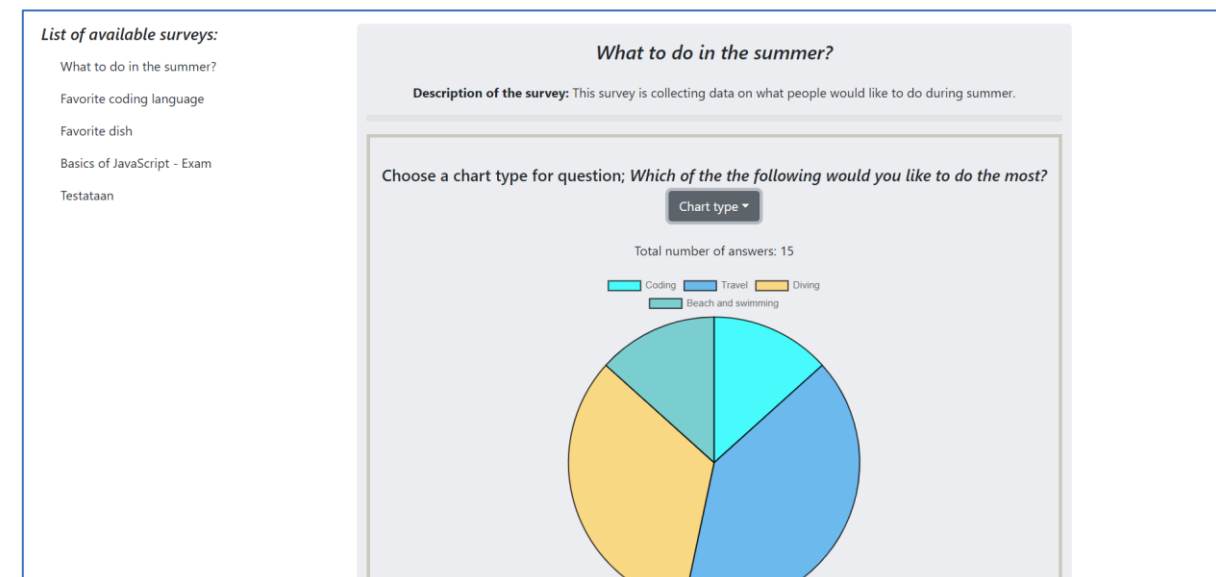
3. What did you do last summer?

Write your answer here

4. The best things in summer?

- ☐ Sun
- ☐ Ice cream
- ☐ Light
- ☐ Mosquitoes

- Results



- Thank You -view with links to other views

Thank you for creating the Favourite Dish survey! The survey has now been saved succesfully.

Where next?

[Answer another survey](#)
[Create or modify survey](#)
[See some results](#)

Or, if you are ready for now, have a nice day!

c. Contexts

- Data context including axios calls for database
- Survey context:
 - getAllSurveys
 - addSurvey
 - deleteSurvey
 - modifySurvey
 - addAnswers
 - getNewId

d. Database

JSON server/db.json-file:

```
{
  "surveys": [
    {
      "surveyTitle": "title of the survey given by the user" (str),
      "description": "description of the survey" (str),
      "questions": {
        "question1": {
          "questionTitle": "",
          "questionType": "dropdown",
          "questionOptions": [opt1, opt2, opt3],
          "questionId"
        },
        "question2": {
          ...
        }
      },
      "answers": [
        {
          "questionId": "answ",
          "questionId": "answ",
          ...
        },
        ...
      ],
      "id": "survey ID" (num)
    },
    ...
  ]
}
```

2. Use Case

App can be used by individuals as well as organizations to create simple anonymous surveys for collecting i.e. data, opinions or stories. A user can create a survey using free text, dropdown or multiple choice questions. The answers can be visualized with different kind of chart types.

3. Packages and technologies used

- React and React router
- Axios for database calls
- JSON-server
- React Bootstrap for creating UI styling
- Chart.js to include charts and visualizing data