nerdysoft

Front End developer

Level: Junior

Hi there!

We would like to ask you to make a small assignment.

Please find your test task below.

Good luck!

The best tech is built by computer nerds





Quizzes

Quizzes is an application where you can answer questions and review your progress.

Below you can find functional and non-functional requirements that should be covered in your application.

Bonus stories are not required but would increase chances of your task success.

Please take into consideration: Code quality and requirements coverage will directly affect the results of your job application review.

Functional Requirements

User Stories

- As an app I should have 3 pages Home (list of quizzes), Play (concrete quiz) and Finish (quiz results).
- As an app I should form 10 quizzes dynamically on the app init by fetching random questions from the data source and organizing them into the quizzes.
- As a quiz item I should display information about: quiz name, how many questions quiz has and play button.
- As a user I should be able to see the button 'I'm lucky' on the Home page. It will select a random quiz.
- As a user I should be able to press the button and answer questions on the Play page.
- As a user while playing a quiz I should be able to cancel a quiz and go to the Home page.
- As a user while playing a quiz I should not be able to go to the next questions until I choose some answer.
- As a user after answering the last question I should be navigated to the Finish page and see statistics of how many points I got, how many answers were correct and time it took (+2 statistical options Up to you).

Bonus Stories

- As a user I should have Stats page where I can see:
 - 1. How many quizzes were played.
 - 2. How many questions have been answered.
 - 3. Average time of answering quizzes.
- As a Stats page I should show questions pie diagram
 - how many questions were answered correctly
 - how many wrong





Non-functional Requirements

- Design

Design should be responsive and support mobile and desktop devices.

Technologies

Implement this application with technologies the recruiter will provide you with.

Version Control System

Code should be stored in any VSC like Github, Gitlab or Bitbucket.

Repository should be shared with us.

Hosting

The application must be hosted with any known providers (Github Pages, Heroku, Netlify, Vercel, etc) and shared with us.

API

This API should be used as a data source for the quizzes and questions