

Full-stack Developer Code Interview

Please use this picture and details below to do questions 1-3.

Week 2: WHO-5 Well-Being Index

Over the last two weeks:	All the time	Most of the time	More than half of the time	Less than half of the time	Some of the time	At no time
1. I have felt cheerful and in good spirits	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. I have felt calm and relaxed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. I have felt active and vigorous	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. I wake up feeling fresh and rested	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. My daily life has been filled with things that interest me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

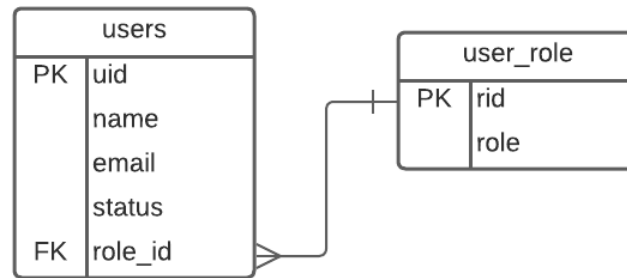
Submit

This page is a WHO-5 questionnaire on the patient portal.

- This is a weekly questionnaire. Each patient will submit this form every week.
- All fields are required.
- User will be able to fill out this form and click Submit.
- Patient can view completed questionnaire but cannot change the responses after submitting.
- Admin can view completed questionnaire and edit the responses on the admin portal.
- System keeps a history log of changes.
- Admin be able to see the history log of all patients, with details which are:
 - All answers
 - Admin who made the change
 - Date and time of change

1. Database design

- a. Extend this ER diagram for the requirement on the previous page



- b. Write MySQL query to create tables in your answer to question 1a
- c. Write MySQL query to show history log of this questionnaire with details. You can assume a uid.
- All answers
 - User who made the change
 - Date and time of changing

2. Frontend: React

- a. Write the code with React for this page
- You can use any library to connect to backend, axios preferred
 - After clicking Submit and completed backend (question 3), this page shows "Thank you for completing questionnaire!"
 - Assume the patient is already logged in. You don't need to work on authorization process.

3. Backend: Node.js

- a. Write the code with Node.js to save the data after patient clicked Submit with all the requirements. Use database that you have designed.