



Sujeet Kumar <developer20sujee@gmail.com>

Interview use Case Scenario for Elekta - preparing for interview

5 messages

Jhington, Shoba <Shoba.Jhington@elekta.com>

Wed, Apr 13, 2022 at 2:41 PM

To: "Developer20sujee@gmail.com" <Developer20sujee@gmail.com>

Hi Sujee,

Hi Shoba, As part of the interview process, we would like to give a use case to Sujee and want to see if he can attempt that before the interview and come up with a prototype. We will be discussing his approach more in detail during the interview. Here is the use case :

Interview Use Case

During the technical interview, you may be asked questions around the design, implementation, or testing of the patient registration use case described below. Please review prior to the technical interview.

Patient Registration Functional Requirements

New patients are registered daily within the cancer clinic. During the patient registration process, the following information is captured and recorded within the clinical application:

- **Patient Demographics:** a patient has a name, unique medical record number, age, gender, and a set of contacts.
- **Admitting Diagnosis:** a patient can be admitted with a breast, lung, prostate, or unspecified cancer diagnosis.
- **Attending Physician:** breast and lung cancer patients are assigned to Dr. Susan Jones; all other patients are assigned to Dr. Ben Smith.
- **Department:** patients seeing Dr. Susan Jones are assigned to department J; all other patients are assigned to department S.

Existing patient information can also be modified by clinical staff. Once a patient has been assigned an admitting diagnosis, they cannot be removed from the system.

Environment

Patient registration functionality is to be deployed as a web service. All information captured shall be persisted and accessible by external applications.

Thanks !

Shoba Jhington | CWR - Contract Technical Recruiter

Elekta

100 Mathilda Place, Fifth Floor

Sunnyvale, CA 94086, United States



Shoba.Jhington@elekta.com | www.elekta.com

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Restricted Information and Basic Personal Data

Sujeet Kumar <developer20sujeet@gmail.com>
To: "Jhington, Shoba" <Shoba.Jhington@elekta.com>

Wed, Apr 13, 2022 at 5:16 PM

is this coding exercise

[Quoted text hidden]

2 attachments



Jhington, Shoba <Shoba.Jhington@elekta.com>
To: Sujeet Kumar <developer20sujeet@gmail.com>

Wed, Apr 13, 2022 at 5:17 PM

Yes please

Shoba Jhington | CWR - Contract Technical Recruiter
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Sujeet Kumar <developer20sujeet@gmail.com>
To: "Jhington, Shoba" <Shoba.Jhington@elekta.com>

Thu, Apr 14, 2022 at 1:31 PM

Hi Shoba

Due to some urgency i am traveling today night

So request you to schedule on monday or Wednesday after 2 pm cst .

[Quoted text hidden]

2 attachments



Jhington, Shoba <Shoba.Jhington@elekta.com>
To: Sujeet Kumar <developer20sujeet@gmail.com>

Thu, Apr 14, 2022 at 1:36 PM

Ok thank you – let me check the availability and reschedule.

[Quoted text hidden]

[Quoted text hidden]

[Quoted text hidden]

[Quoted text hidden]

Shoba Jhington | CWR - Contract Technical Recruiter

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