

FULL STACK .NET BOOTCAMP

Here is the collection from which your technical endorsement panel will ask questions of you during your technical endorsement. Each of your 3 questions will be from a different category, and need to answer 2 of the 3 questions correctly in order to pass. You may not use notes during the endorsement. Remember: answering each question correctly includes being able to demonstrate where in your project the code is that the question references.

CATEGORY ONE: ANGULAR:

1. Explain how data flows from a component's class to its HTML template. Show an example.
2. Are you using any structural directives in this application? Describe their purpose. (If you don't have any, you'll get another question)
3. Are you using @Input or @Output decorators? If so, walk through how data is being passed from parent to child or how data is being emitted from child to parent.
4. Walk through your Angular routing setup. (If you don't have one, you'll get another question)
5. How does a component have access to a service?
6. What is an Angular component? Show an example and explain what the different files are.

CATEGORY TWO: APIs

1. Tell us about the THIRD PARTY API you are using. How is the data you get back from the API formatted?
2. How do you authenticate to your THIRD PARTY API?
3. Do you save any THIRD PARTY API data in the database?
4. How do you call your backend API or a third party API in Angular?
5. What C# classes get populated with data from the third party API? (If you're not calling an API from the back end, you'll get another question.)

CATEGORY THREE: ASP.NET and DATABASES/ENTITY

1. Give an example in your code where you use Entity framework to get information from the database.
2. Show the tables you are using. Do you have relationships between those tables?
3. Where do you store the connection strings that you use to connect to the database? Where in the code do you use those strings?
4. Show us a piece of code that updates the database.
5. What program do you use to manage your database? Can we manage remote dbs using that program?
6. What is a foreign key?
7. Show us an example of a model class you created for Entity framework.

You will get a specific time for your technical endorsement from your Program Manager, but you should be ready at any point during your class' technical endorsement window in the event that the schedule is changed.

