**CHRC developer test.**

**Please note this test is done without using your smart phone or doing searches over the internet. Violation to these rules will immediately terminate the interview process.**

**C# .net Section**

1, What are the different ways to pass variables from one aspx page to another using Webforms?

2, What are Master Pages in asp.net and why do we using them?

3, What are the differences between a bound field and a template field in an asp Gridview? When would you use one over the other?

**C# .net Section**

4, if a button control is created dynamically, how do you find if it exists in an asp page and determine its text value?

5, Which function in the FormAuthentication class authenticates and redirects an authenticated user back to the originally requested URL or the default URL.

6 Demonstrate one or more way(s) how .net (from server side) can communicate with javascript (browser side).

**CSS Section**

1, How do you center a container using css?

2, What are the differences between a span tag and a div tag?

3, What is the css syntax for creating a class to underline text?

**Javascript/Jquery Section**

<div id=”block”>this is some text</div>

1, Write the jquery statement to hide the container

2, when someone clicks on the container, initiate a hello world pop up.

3, when someone mouseover the container, change the color of the text to red.

**General Troubleshooting Section**

If a production website is down, how would you troubleshoot the root cause of the issue?

Please write down the steps you would take to identify the possible root cause of the problem.

**Database Section**

1, Design a database schema for a library storing information such as books, author, publisher and the relationships among tables.

**Database Section**

2, What is an identity column?

3, In the store procedure below, accomplish the following in ONE single update sql statement

A, update the age of the person name “Stephen” to the @Age variable

B, if @Age is null, do not Change the value of the Age column

Hints:

**All personal information is stored in a table named “Person” and the age is stored in the “Age” column.**

CREATE PROCEDURE [dbo].[spUpdatePatient]

@Age int

AS

BEGIN

SET NOCOUNT ON;

//Write your sql statement here!!!

END

4, Write a single outerjoin query (using transact sq) displaying all employees and his departments, if the employee does not have a department assigned, display the phrase “No Department Assigned”.

Schema:

**Employees Table:**

EmployeeID

FirstName

LastName

DepartmentID

**Department Table**

DepartmentID

DepartmentName