

Work Placement – Software Developer

Duration: 12 months

Location: The Media Centre, Huddersfield

Start Date: 2016

Salary: £16,000 pro rata (excluding overtime)

Requirements: Studying undergraduate degree in relevant field, must have completed 2 years of study when placement starts.

We're looking for talented developers in the making to join our team and work on a broad range of web based applications. We are looking for developers from any programming language background who can demonstrate that they can pick up and succeed with any development language.

Let's be clear, you will be writing code. All day, every day. there are no menial tasks or manual data crunching for you to be messing around with. There are no spreadsheets that need tinkering with, or PC's that need software installing. You will be writing code in the same code base as our full time developers for big clients who really want you to deliver something usable to meet their needs. They want your code today, although yesterday would be better. You will have a real development tasks, in a real company, for real clients.

We are expanding rapidly, so we will hope to extend the placement to a formal employment offer once you complete your final year of studies. We will also hope to offer part time work throughout your final year of studies.

This is an excellent opportunity to build on your core technical skills while working on high profile projects though the development life cycle.

We will provide all support necessary, but our successful developers will be able to manage their work load as well as take direction and work as part of a team. A strong background and natural talent in programming and software development is essential. We will look at your grades, but we are more interested in you being able to tell us about the code you have written... You have got to love code. Live it, dream it, love it!

How to apply

In order to apply for this role, please complete the coding problem and email your solution along with your CV to careers@elder-studios.co.uk

Coding Problem

The aim of this exercise is simply to demonstrate the way that you approach a problem and the general style of your coding. The problem should not take more than one or two hours. Elder Studios delivers solutions through MVC frameworks, it would help if you did the same. Read our blog post on how to approach the problem: <http://www.elder-studios.co.uk/recruitment-insight-the-scrabble-club-leaderboard/>

Problem Description

A scrabble club requires a system to store members' information and provide leader boards to show their top performing players. For members we would want to store information such as the date they joined the club and their contact details. All recorded scrabble games are head to head matches between 2 players, the player with the highest score at the end of the game wins.

You should provide, in order of priority:

- Database schema definition (create table statements) for your solution
- A member's profile screen showing their
 - number of wins
 - number of losses
 - their average score
 - their highest score, when and where it was scored, and against whom
- Interfaces (preferably browser based) to create and edit members' details, such as name, contact number etc.
- A leader board screen to list the members with the top 10 average scores, for those members who have played at least 10 matches.

There is no need for the candidate to produce interfaces to manipulate all the data in the database and adding test data manually is fine.

There is no requirement for users to login or be authenticated.

Hints

- The description is deliberately a little vague, don't worry about guessing exactly what we mean.
- Feel free to use any frameworks or libraries you wish to help with your solution. There are no extra points for re-inventing wheels.
- If you don't have a system available to develop/test on don't worry. We aren't too worried about syntax errors that the tool chain would have told you about the first time you tested it.
- Don't be tempted to spend too long on it, and enjoy your time on this development. If you don't enjoy this kind of task, you won't enjoy your days with us.