**Computer Science Assignment (programming task)**

Order 1608816

Description

4 pages essay and plus computer task As a full stack web developer, you have been asked to develop a Node based RESTful API on the backend plus a React JS single page application (SPA) on the frontend to replace a client’s existing unmaintained PHP-based website. In addition to the API and SPA, the client requires a short report targeted at their internal development team, exploring how the developed application fits in to the wider context of JavaScript full stack technologies. Finally, the client has requested a short video demonstration of the application, targeted at end-users. application is Client – The Sport Association: A Sporting Event and Results App The Sport Association is a national governing body for several Olympic sports. They would like to have a web application for managing their upcoming and past sporting events, to record athlete details and results. This will be used internally and not available to the public Main features • Non-registered users can register on the app if they have a sign-up code o They need to supply a unique email and a password to sign up o For this prototype the sign-up code is always “the\_sport\_association” • Registered users can o log in to the app o see the current list of events o search/filter the current list of events ▪ by sport and by date o create, view, update, and delete individual events in the app o see the current list of athletes o search/filter the current list of athletes ▪ by nationality and by sport o create, view, update, and delete individual athletes in the app o add an athlete to an event o add the results of an event to the event o mark any athlete as ‘under investigation’ o view the current list of athletes who are ‘under investigation’ Challenge features – choose one or more: • Upload athlete photos • View or download a list of all historical results for a given athlete (i.e. events they participated in and their final placing in the event) • Allow athletes to register and log in to view their own profile and the events they are associated to.